

FOR CONTRACT NO.: 03-1A73U4

INFORMATION HANDOUT

PERMITS

TAHOE REGIONAL PLANNING AGENCY

MATERIALS INFORMATION

AERIALY DEPOSITED LEAD AND PETROLEUM HYDROCARBONS SITE
INVESTIGATION REPORT

GEOTECHNICAL DESIGN REPORT

PAVEMENT CORING DATA

SOILS HYDROLOGIC INVESTIGATION

UTILITY CONFLICT SUMMARY

ROUTE: 03-ED-50, 77.3/79.3



**TAHOE
REGIONAL
PLANNING
AGENCY**

Mail
PO Box 5310
Stateline, NV 89449-5310

Location
128 Market Street
Stateline, NV 89449

Contact
Phone: 775-588-4547
Fax: 775-588-4527
www.trpa.org



PERMIT

PROJECT DESCRIPTION: US Highway 50 Trout Creek to Ski-Run Boulevard Sidewalk, Bike Lane, and Water Quality Improvement Project

TRPA PROJECT NUMBER: 520-201-00

FILE # EIPC2007-0034

PERMITTEE(S): State of California, Department of Transportation

COUNTY/LOCATION: El Dorado / US Highway 50 Trout Creek to Ski-Run Boulevard

Having made the findings required by Agency ordinances and rules, TRPA approved the project on **June 24, 2010**, subject to the standard conditions of approval attached hereto (Attachment Q) and the special conditions found in this permit.

This permit shall expire on **June 24, 2013** without further notice unless the construction has commenced prior to this date and diligently pursued thereafter. Diligent pursuit is defined as completion of the project within the approved construction schedule. The expiration date shall not be extended unless the project is determined by TRPA to be the subject of legal action which delayed or rendered impossible the diligent pursuit of the permit.

NO DEMOLITION, TREE REMOVAL, CONSTRUCTION OR GRADING SHALL COMMENCE UNTIL:

- (1) TRPA RECEIVES A COPY OF THIS PERMIT UPON WHICH THE PERMITTEE(S) HAS ACKNOWLEDGED RECEIPT OF THE PERMIT AND ACCEPTANCE OF THE CONTENTS OF THE PERMIT;
- (2) ALL PRE-CONSTRUCTION CONDITIONS OF APPROVAL ARE SATISFIED AS EVIDENCED BY TRPA'S ACKNOWLEDGEMENT OF THIS PERMIT;
- (3) A TRPA PRE-GRADING INSPECTION HAS BEEN CONDUCTED WITH THE PROPERTY OWNER AND/OR THE CONTRACTOR.



TRPA Executive Director/Designee

6-24-10

Date

PERMITTEE'S ACCEPTANCE: I have read the permit and the conditions of approval and understand and accept them. I also understand that I am responsible for compliance with all the conditions of the permit and am responsible for my agents' and employees' compliance with the permit conditions. I also understand that if the property is sold, I remain liable for the permit conditions until or unless the new owner acknowledges the transfer of the permit and notifies TRPA in writing of such acceptance. I also understand that certain mitigation fees associated with this permit are non-refundable once paid to TRPA. I understand that it is my sole responsibility to obtain any and all required approvals from any other state, local or federal agencies that may have jurisdiction over this project whether or not they are listed in this permit.

Signature of Permittee(s) _____ Date _____

PERMIT CONTINUED ON NEXT PAGE

TRPA PROJECT NUMBER: 520-201-00
FILE NO. EIPC2007-0034

Security Posted N/A

Required plans determined to be in conformance with approval: Date: _____

TRPA ACKNOWLEDGEMENT: The permittee has complied with all pre-construction conditions of approval as of this date:

TRPA Executive Director/Designee

Date

SPECIAL CONDITIONS

1. This permit specifically authorizes the installation of the following along US Highway 50 between Trout Creek and Ski Run Boulevard: sidewalks, lights, landscaping, irrigation, signing, pavement delineations, signal modifications, traffic signals, interconnection conduit, Class II bike lanes, water quality improvements including, source control, conveyance, and treatment.
2. The Standard Conditions of Approval listed in Attachment Q shall apply to this permit.
3. Prior to permit acknowledgement, the following conditions of approval must be satisfied:
 - A. The final plans shall be revised or amended as follows:
 - a. The permittee shall submit a final coverage plan containing a coverage table showing existing, and proposed coverage for each land capability district within the project area. If additional coverage is proposed in excess of 1,000 square feet in land capability districts 1-3 or in excess of 3,500 square feet of land coverage total (except recreational trails, which may be allowed greater land coverage) then a public hearing may be required prior to acknowledgment. Modifications of the permit may result from the public hearing.
 - b. Class II bike lanes shall be located on both north and south bound lanes through the entire project area. Class II bike lanes shall be clearly marked and identified.
 - c. All crosswalks shall be international style and have pedestrian countdown timer displays at intersections with signals.
 - d. Submit detailed plans showing details for all outfalls to the Lake Tahoe Shorezone areas. Outfalls should be designed to minimize beach erosion, and to scenically blend with the natural environment.
 - e. Plans shall show a larger staging area for children to wait for the crosswalk. NE & NW corners of Lyons and Al Tahoe Ave. The plans shall also show a walkway from the west side of the intersection connecting to the sidewalk.

- f. All existing sidewalks proposed to remain in the project area shall be rehabilitated to as new conditions.
 - g. All proposed plants shall be on TRPA's approved plant list.
 - h. All above ground electrical and plumbing boxes/covers shall be behind sidewalks, painted the TRPA approved color, and screened.
 - i. All signage shall be the minimum necessary for safety concerns.
 - j. Install bicycle detection system on all legs of intersections.
 - k. Install vehicle detection systems on all legs of intersections.
 - l. Revise the plans to avoid removal of all healthy (as determined by TRPA) trees greater than 30 inches diameter at breast (dbh). If relocation of structures to avoid 30 inch trees is not feasible, then provide a detailed explanation.
 - m. Install a camera detection system for all uses on Ski Run Boulevard for signal detection.
 - n. Texture and color concrete used for Delaware filter top; paint access doors to match, place a minimum of 2' high planting around the filter. Provide color and texture samples to TRPA for approval prior to construction.
 - o. Show tree removal plans showing location, tree diameter, species, and summary table outlining the number and diameter of each type of tree proposed for removal.
 - p. All grates shall be bicycle friendly and shall not be located within the bike lane. Provide and explanation if there is no other alternative but to place grates in the bike lane.
- B. The permittee shall submit three (3) sets of final construction drawings and site plans to TRPA. A detailed index of the plans shall be on the front page. Attach a key for all symbols and abbreviations used in the plans.
- C. If coverage as analyzed in permit condition 3.A.a results in a net increase in coverage, the permittee shall complete the land coverage transfer/restoration credit request with the California Tahoe Conservancy to offset additional land coverage added to the project area as a result of this approval, or transfer coverage from other Caltrans project areas.
- D. Provide a letter signed by Caltrans stating there are no historic resources in the project area.

- E. Submit a letter signed by City of South Lake Tahoe (CLST) stating they concur with final plans as submitted to TRPA.
 - F. Submit a letter signed by the Lahontan Regional Water Quality Control Board (Lahontan) stating they concur with water quality treatment as shown in final plans submitted to TRPA.
 - G. Provide a draft water quality monitoring plan for TRPA review and approval for all outlets to the lake that Caltrans water discharges through and for inputs and outputs to Delaware filters. This plan shall contain Lahontan's signature of approval.
 - H. Provide a detailed monitoring plan for vegetation management. The minimum monitoring period shall be five years from commencement of construction.
4. An onsite inspection by TRPA staff is required prior to any construction or grading activity. TRPA staff shall determine if the onsite improvements required by Attachment Q (Standard Conditions of Approval) have been properly installed. No grading or construction shall commence until TRPA pre-grade conditions are met. If the project will be completed in phases it will not be necessary to install all the BMPs at once. However, if BMPs are installed in phases then TRPA shall inspect the BMPs for each phase. No construction or grading shall commence until a TRPA pregrade inspection has been completed for the relevant phase.
5. Prior to the first pregrade inspection, the following conditions of approval must be satisfied:
- A. The permittee shall submit a projected construction completion schedule to TRPA. Said schedule shall include completion dates for each item of construction. The construction schedule shall be phased to minimize erosion within areas where construction will not be immediately completed.
 - B. Submit for TRPA approval all proposed Contractor Staging Areas. All staging areas shall be fitted with temporary BMPs, including construction limit fencing. Temporary staging and storage areas not located on paved surfaces shall be identified on site through use of vegetation protection fencing and erosion control fencing where appropriate.
 - C. The permittee shall submit a copy of the final Special Provisions prepared for this project.
 - D. A dust control plan shall be provided for all stages of construction.
 - E. Submit an "Emergency Action Plan" detailing the planned response to any impact and/or rupture of the sewer and water lines located within the project area.
 - F. A dewatering plan shall be provided for TRPA review and approval. Intercepted groundwater shall not be discharged into storm drains or SEZs.

- G. The permitted shall submit a copy of the completed Storm Water Pollution Prevention Plan (SWPPP) and/or Water Pollution Control Program (WPCP).
6. All above ground facilities, new or currently existing, such as sign posts, the back of signs, electrical boxes, etc. shall be colored dark green or brown, unless an alternative color is approved by TRPA.
 7. The color of rock or concrete visible from Lake Tahoe, bike trails, or Highway 50 shall be approved by TRPA prior to placement.
 8. Noise testing completed by TRPA indicates the Transportation Corridor along this project is out of attainment with the CNEL standards. Therefore Caltrans is subject to TRPA Code Section 23.7.C.
 9. Traffic signals, controller cabinets and other related hardware shall be compatible with the proposed adaptive traffic signal system.
 10. Temporary erosion control measures shall be placed downslope and as close to the excavation as possible wherever unstable soil exists in the project area. Temporary BMPs shall remain in place until soil is stabilized through permanent means.
 11. Top soil shall be saved and stored for later use in any area of excavation where the final treatment is anything except sidewalks or roadways.
 12. Project construction shall be phased to minimize the amount of disturbed soils existing at one time. Additionally, all new and existing conveyance and treatment facilities shall be fitted with temporary Best Management Practices (BMPs) to prevent the transport of sediment during storm events occurring during construction. Temporary BMPs are to be installed and maintained prior to excavation and during all phases of the proposed project. The permittee shall modify installed BMPs at the request of TRPA if the TRPA inspection(s) find the BMPs to be inadequate or improperly placed or constructed.
 13. All spoil materials shall be hauled to a site outside the Tahoe Region unless an alternative site is approved by TRPA.
 14. All waste resulting from the saw-cutting of pavement shall be removed using a vacuum (or other TRPA approved method) during the cutting process or immediately thereafter. Discharge of waste material to surface drainage features is prohibited and constitutes a violation of this permit.
 15. Drop inlets and storm water conveyance and treatment facilities located downslope of excavated material shall be protected by temporary erosion control fences or fiber roll logs (minimum 12 inch diameter), or approved equivalent.
 16. All rock material (gravel, cobble, and boulders) shall be clean and thoroughly washed prior to arrival at the site to ensure that the rock is free of any silt or clay particles.

17. All barren areas and areas disturbed by construction shall be revegetated in accordance with the TRPA Handbook of Best Management Practices.
18. Straw bales shall not be used for temporary erosion control and that straw is no longer a recommended mulch material in the Lake Tahoe Basin.
19. Grading and excavation is prohibited at any time of the year during periods of precipitation and for the resulting period of time when the site is covered with snow or is in a saturated, muddy or unstable condition.
20. This site shall be winterized in accordance with the provisions of Attachment Q by October 15th of each construction season.
21. Any modifications to the TRPA approved plans shall be submitted to TRPA for review and approval. This approval is based on the permittee's representation that all plans and information contained in the subject application are true and correct. Should any information or representation submitted in connection with the project application should be incorrect or untrue, TRPA may rescind this approval or take other appropriate action.
22. Remove all non-compliant Caltrans signs within Caltrans' right of way.
23. Bike lane cross slopes shall be the same as the adjoining travel lane.
24. All access covers in the sidewalk or bike lanes shall be maintained flush within 3/16" of pavement level.

END OF PERMIT



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MITIGATED FINDING OF NO SIGNIFICANT EFFECT

PROJECT DESCRIPTION: US Highway 50 Trout Creek to Ski-Run Boulevard Sidewalk, Bike Lane, and Water Quality Improvement Project

TRPA PROJECT NUMBER: 520-201-00 FILE # EIPC2007-0034

PERMITTEE(S): State of California, Department of Transportation

COUNTY/LOCATION: El Dorado / US Highway 50 Trout Creek to Ski-Run Boulevard

Staff Analysis: In accordance with Article IV of the Tahoe Regional Planning Compact, as amended, and Section 6.3 of the TRPA Rules and Regulations of Practice and Procedure, the TRPA staff has reviewed the information submitted with the subject project. On the basis of this initial environmental evaluation, Agency staff has found that the subject project will not have a significant effect on the environment.

Determination: Based on the above-stated finding, the subject project is conditionally exempt from the requirement to prepare an Environmental Impact Statement. The conditions of this exemption are the conditions of permit approval.

TRPA Chairman or Executive Director

6-24-10

Date



SOUTH SHORE
128 Market St.
Stateline, NV

Monday-Friday
9:00 am-5:00 pm

NORTH SHORE
3080 North Lake Blvd.
Tahoe City, CA

Wednesday-Friday
9:00 am-4:00pm

MAIL
PO Box 5310
Stateline, NV 89449-5310

Accepting Applications
Until 4:00 pm at both offices

Phone: (775) 588-4547

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ATTACHMENT Q STANDARD CONDITIONS OF APPROVAL FOR GRADING PROJECTS

This handout on the standard conditions that must be met in all projects involving grading is divided into the following three sections:

- I. Pre-Grading Conditions (Pre-activity, where applicable)
- II. Construction/Grading Conditions
- III. General Conditions/Design Standards

Please read all of the conditions carefully to avoid any delays in construction of your project.

NOTE: Your plans have been reviewed and approved as required under Tahoe Regional Planning Agency (TRPA) Rules, Regulations and Ordinances only. TRPA has not reviewed and shall not be responsible for any elements contained in your plans, i.e., structural, electrical, mechanical, etc., which are not required for review under said Rules, Regulations and Ordinances.

I. PRE-GRADING/PRE-ACTIVITY CONDITIONS:

The following conditions must be completely complied with prior to any site disturbance or commencement of activity.

A. Final Construction Plans:

Final construction plans must be submitted to and reviewed by TRPA to determine conformance with the approval. Said plans shall clearly depict the following:

1. Slope stabilization methods to stabilize all existing and proposed cut and fill slopes.
2. Areas to be revegetated, including complete specifications for such revegetation.
3. Fencing for vegetation protection.
4. Temporary and permanent erosion control devices.
5. Utility trenches.
6. Dust control measures.
6. All water quality improvements (BMPs) required in the conditional approval. Drainage facilities shall be designed to be capable of retaining runoff water for a two (2) year, six (6) hour storm.
8. The final plans shall contain equipment specifications necessary to establish compliance with Standard Conditions III. A-F.

B. Securities:

A security shall be posted with the TRPA to insure compliance with all permit conditions. The security shall include an amount equal to 110 percent of the cost of the BMPs and other erosion control and water quality improvements required. For further information on the acceptable types of securities, see Attachment J.

C. Mitigation Fees:

All required air quality, water quality, and excess coverage and offsite coverage mitigation fees shall be paid to TRPA.

D. Temporary BMPs:

The following temporary BMPs are required to be installed onsite prior to any grading activity occurring:

1. Installation of temporary erosion controls.
2. Installation of vegetation protection measures.
3. Installation of construction site boundary fencing.

E. Required Inspection:

An onsite inspection by TRPA staff is required prior to any construction or grading activity occurring. TRPA staff shall determine if the onsite improvements required by Condition II (1), above, have been properly installed. No grading or construction shall be undertaken by the permittee until receipt of TRPA notification that the pre-grading/pre-activity conditions of approval have been satisfied.

F. Required Notices:

The following notices to the TRPA are required prior to any grading or construction occurring on the project site:

1. Notice for Pre-Grading Inspection: The permittee shall notify the TRPA when all onsite improvements required under Condition II(1), above, have been installed so that the required pre-grading inspection may be scheduled.
2. Notice of Commencement of Construction: The permittee shall notify the TRPA at least 48 hours prior to commencement of construction or grading on the project site. Said notice shall include the date when construction will commence.

II. CONSTRUCTION/GRADING CONDITIONS:

The following conditions shall be complied with during the grading and construction phase of the project.

- A. All construction shall be accomplished in strict compliance with the plans approved by TRPA.
- B. The TRPA permit and the final construction drawings bearing the TRPA stamp of approval shall be present on the construction site from the time construction commences to final TRPA site inspection. The permit and plans shall be available for inspection upon request by any TRPA employee. Failure to present the TRPA permit and approved plans may result in the issuance of a Cease and Desist Order by the TRPA.
- C. Whenever possible, utilities shall occupy common trenches to minimize site disturbance.
- D. There shall be no grading or land disturbance performed with respect to the project between October 15 and May 1, except as follows:
 1. The grading or land disturbance is for excavation and backfilling for a volume not in excess of three cubic yards.
 2. The activity is completed within a 48-hour period.
 3. The excavation site is stabilized to prevent erosion.
 4. The pregrade inspection is performed by TRPA staff, and the activity passes the inspection.

5. The grading/project does not represent or involve a series of excavations, which, when viewed as a whole, would exceed the provisions of this Standard Condition of Approval, and Subsection 4.2.A of the TRPA Code of Ordinances.

Grading is prohibited any time of the year during periods of precipitation and for the resulting period of time when the site is covered with snow, or is in a saturated, muddy, or instable condition (pursuant to Subsection 64.2.C of the TRPA Code of Ordinances.)

- E. All material obtained from any excavation work that is not contained within foundations, retaining walls, or by other methods approved by TRPA shall be removed from the subject parcel and disposed of at a site approved by TRPA.
- F. Replanting of all exposed surfaces, in accordance with the revegetation and slope stabilization plan, shall be accomplished within the first growing season following disturbance, unless an approved construction/inspection schedule establishes otherwise.
- G. All trees and natural vegetation to remain on the site shall be fenced for protection. Scarring of trees shall be avoided and, if scarred, damaged areas shall be repaired with tree seal.
 1. Fencing specified shall be at least 48 inches high and shall be constructed of metal posts and either orange construction fencing or metal mesh fencing also at least 48 inches high (Section 65.2.I.3 and 65.2.J.3). Job sites with violations of the fencing standards will be required to re-fence the job site with a high gauge metal fencing.
 2. No material or equipment shall enter or be placed in the areas protected by fencing or outside the construction areas without prior approval from TRPA. Fences shall not be moved without prior approval (Section 65.2.I.2 and 65.2.J.2).
 3. To reduce soil disturbance and damage to vegetation, the area of disturbance during the construction of a structure shall be limited to the area between the footprint of the building and the public road. For the remainder of the site the disturbance areas shall not exceed 12 feet from the footprint of the structure, parking area or cut/fill slope. The approved plans should show the fencing and approved exceptions (Section 30.14.A).
- H. Soil and construction material shall not be tracked off the construction site. Grading operations shall cease in the event that a danger of violating this condition exists. The site shall be cleaned up and road right-of-way swept clean when necessary.
- I. During grading and construction, environmental protection devices such as erosion control devices, dust control, and vegetation protection barriers shall be maintained.
- J. Loose soil mounds or surfaces shall be protected from wind or water erosion by being appropriately covered when construction is not in active progress or when required by TRPA.
- K. Excavated material shall be stored up grade from the excavated areas to the extent possible. No material shall be stored in any stream zone or wet areas.
- L. Only equipment of a size and type that, under prevailing site conditions, and considering the nature of the work to be performed, will do the least amount of damage to the environment shall be used.
- M. No washing of vehicles or construction equipment, including cement mixers, shall be permitted anywhere on the subject property unless authorized by TRPA in writing.
- N. No vehicles or heavy equipment shall be allowed in any stream environment zone or wet areas, except as authorized by TRPA.
- O. All construction sites shall be winterized by October 15 to reduce the water quality impacts associated with winter weather as follows:

1. For the sites that will be inactive between October 15 and May 1:
 - (a) Temporary erosion controls shall be installed;
 - (b) Temporary vegetation protection fencing shall be installed;
 - (c) Disturbed areas shall be stabilized;
 - (d) Onsite construction slash and debris shall be cleaned up and removed;
 - (e) Where feasible, mechanical stabilization and drainage improvements shall be installed; and
 - (f) Spoil piles shall be removed from the site.
2. For sites that will be active between October 15 and May 1, in addition to the above requirements:
 - (a) Permanent mechanical erosion control devices shall be installed, including paving of driveway and parking areas; and
 - (b) Parking of vehicles and storage of building materials shall be restricted to paved areas.

III. GENERAL CONDITIONS/DESIGN STANDARDS:

- A. Projects approved by TRPA shall be subject to inspections by TRPA at any reasonable time. The permittee shall be responsible for making the project area accessible for inspection purposes. TRPA shall not be liable for any expense incurred by the permittee as a result of TRPA inspections.
- B. Construction shall be completed in accordance with an approved construction schedule. An extension of a completion schedule for a project may be granted provided the request is made in writing prior to the expiration of the completion schedule, a security is posted to ensure completion or abatement of the project, and TRPA makes either of the following findings:
 1. The project was diligently pursued, as defined in Subparagraph 4.12.C.(2) of the Code of Ordinances, during each building season (May 1 - October 15) since commencement of construction.
 2. That events beyond the control of the permittee, which may include engineering problems, labor disputes, natural disasters, or weather problems, have prevented diligent pursuit of the project.
- C. Water conservation appliances and fixtures shall be installed in all new facilities or, when replaced, in existing facilities: low flow flush toilets; low flow showerheads (3 gpm rated maximum flow); faucet aerators; and water-efficient appliances (e.g., washing machines and dishwashers).
- D. Water heaters shall not emit nitrogen oxides greater than 40 nanograms of nitrogen oxide (NO₂) per joule of heat output.
- E. Space heaters shall not emit greater than 40 nanograms of nitrogen oxides (as NO₂) per joule of useful heat delivered to the heated space.
- F. Wood heaters to be installed in the Region shall meet the safety regulations established by applicable city, county, and state codes. Coal shall not be used as a fuel source.
 1. Emission Standards: Wood heaters installed in the Region shall not cause emissions of more than 7.5 grams of particulates per hour for noncatalytic wood heaters or 4.1 grams per hour for catalytically equipped wood heaters.

2. Limitations: Wood heaters shall be sized appropriately for the space they are designed to serve. Multi-residential projects of five or more units, tourist accommodations, commercial, recreation and public service projects shall be limited to one wood heater per project area.
 3. List of Approved Heaters: TRPA shall maintain a list of wood heaters which may be installed in the Region. The list shall include the brand names, model number, description of the model and the name and address of the manufacturer. Wood heaters certified for use in either Colorado or Oregon shall be considered in compliance with 6(a), above.
- G. Construction materials shall be secured to prevent them from rolling, washing, or blowing off the project site. Rehabilitation and clean-up of the site following construction must include removal of all construction waste and debris.
- H. Plant species on the TRPA Recommended Native and Adapted Plant List shall be used for lawns and landscaping.
- I. The following sizes and spacing shall be required for woody plant materials at time of planting:
1. Trees shall be a minimum six feet tall or 1-1/2 inch caliper size or diameter at breast height;
 2. Shrubs shall be a minimum three gallon pot size where upright shrubs have a minimum height of 18 inches and a minimum spread of 18 inches; and spreading shrubs have a minimum spread of 18-24 inches.
 3. Groundcovers shall be a minimum four inch pot size or one gallon container and shall be maximum 24 inches on center spacing.
- J. Plant species not found on the TRPA Recommended Native and Adapted Plant List may be used for landscaping as accent plantings but shall be limited to borders, entryways, flower-beds, and other similar locations to provide accent to the overall native or adapted landscape design.
- K. The following exterior lighting standards shall apply:
1. Exterior lights shall not blink, flash or change intensity. String lights, building or roofline tube lighting, reflective or luminescent wall surfaces are prohibited.
 2. Exterior lighting shall not be attached to trees except for Christmas season.
 3. Parking lot, walkway, and building lights shall be directed downward.
 4. Fixture mounting height shall be appropriate to the purpose. The height shall not exceed the limitations set forth in Chapter 22 of the Code.
 5. Outdoor lighting shall be used for purposes of illumination only, and shall not be designed for, or used as, an advertising display. Illumination for aesthetic or dramatic purposes of any building or surrounding landscape utilizing exterior light fixtures projected above the horizontal is prohibited.
 6. The commercial operation of searchlights for advertising or any other purpose is prohibited. Seasonal lighting displays and lighting for special events which conflict with other provisions of this section may be permitted on a temporary basis.
- L. Any normal construction activities creating noise in excess of the TRPA noise standards shall be considered exempt from said standards provided all such work is conducted between the hours of 8:00 a.m. and 6:30 p.m.
- M. Fertilizer use on this property shall be managed to include the appropriate type of fertilizer, rate, and frequency of application to avoid release of excess nutrients and minimize use of fertilizer.
- N. No trees shall be removed or trimmed without prior TRPA written approval unless otherwise specifically exempted under Chapter 4 of the Code of Ordinances.

- O. The architectural design of this project shall include elements that screen from public view all external mechanical equipment, including refuse enclosures, satellite receiving disks, communication equipment, and utility hardware on roofs, buildings or the ground. Roofs, including mechanical equipment and skylights, shall be constructed of nonglare finishes that minimize reflectivity.
- P. The permittee is responsible for insuring that the project, as built, does not exceed the approved land coverage figures shown on the site plan. The approved land coverage figures shall supersede scaled drawings when discrepancies occur.
- Q. The adequacy of all required BMPs as shown on the final construction plans shall be confirmed at the time of the TRPA pre-grading inspection. Any required modifications, as determined by TRPA, shall be incorporated into the project permit at that time.
- R. It is the permittee's obligation to locate all subsurface facilities and/or utilities prior to any grading, dredging or other subsurface activity. The permittee is responsible for contacting the Northern Underground Service Alert (USA, usually known as USA DIGS 1-800-227-2600) prior to commencement of any activity on the site.
- S. The permittee agrees to indemnify, defend, hold harmless, TRPA, its Governing Board, its Planning Commission, its agents, and employees from and against any and all loss, damage, injury, liability, and claims thereof, for actions arising directly, or indirectly, from issuance or implementation, of this permit.
- T. This approval is based on the permittee's representation that all plans and information contained in the subject application are true and correct. Should any information or representation submitted in connection with the project application be incorrect or untrue, TRPA may rescind this approval or take other appropriate action.

- 23.6.D Highways And Transportation Corridors: Projects within transportation corridors shall include design criteria to help reduce the transmission of noise from the transportation corridor.
- 23.6.E Marinas: Marinas and boat launching facilities open to the public shall post conspicuous notices of the noise standards in 23.2.A. Rental and excursion operators shall not operate or offer for use or rent marine craft not in compliance with the standards in subsection 23.2.A.
- 23.6.F Off-Road Vehicles And Over-Snow Vehicles: Public agencies responsible for the administration of public lands and recreation areas shall post notices of the standards in subsection 23.2.A in conspicuous locations at access points to use areas. Rental and excursion operators shall not operate or offer for rent or use any off-road vehicle or over-snow vehicle not in compliance with the standards in subsection 23.2.A.
- 23.6.G Loudspeakers: No person shall use loudspeakers or similar devices for amplifying sound outdoors for the purpose of advertising products or services or to attract patrons.
- 23.7 Compliance: TRPA shall use the procedures set forth in this section to ensure that the noise thresholds are attained and maintained and to ensure compliance with this chapter:
- 23.7.A Project Review: TRPA shall not approve a project which causes a community noise standard (CNEL) to be exceeded. Based upon completion of an initial environmental checklist pursuant to Chapter 5, TRPA may require a noise impact report prior to approving a project.
- 23.7.B Complaint System: Upon receipt of a noise complaint or upon detection of a possible violation of a noise standard, TRPA may conduct a monitoring study in accordance with Section 23.4. Based on the results of the monitoring study, TRPA shall implement appropriate corrective measures under the provisions of Chapter 8 or 9. TRPA may delegate all or part of these activities to another public entity through a memorandum of understanding.
- 23.7.C Highways And Transportation Corridors: If, through routine monitoring programs, TRPA determines that noise standards are not being met in transportation corridors, TRPA, in cooperation with other local entities, shall develop a compliance program to ensure attainment and maintenance of the noise thresholds.
- 23.8 Exemptions To Noise Limitations: The standards of this chapter shall not apply to noise from TRPA-approved construction or maintenance projects, or the demolition of structures, provided such activities are limited to the hours between 8 a.m. and 6:30 p.m. The standards of this chapter shall not apply to safety signals, warning devices, or emergency pressure relief valves and other similar devices. Emergency work to protect life or property is exempt from noise standards, as are fireworks used in accordance with a state or local permit.

AERIALLY DEPOSITED LEAD AND PETROLEUM HYDROCARBON SITE INVESTIGATION REPORT

South Lake Tahoe U.S. Highway 50
(PM 77.3 to 79.3) Improvement Project
Trout Creek to Ski Run Boulevard
South Lake Tahoe, El Dorado County, California

PREPARED FOR:

**CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 3
720 YUBA STREET
MARYSVILLE, CALIFORNIA 95901**



PREPARED BY:

**GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DRIVE, SUITE 800
RANCHO CORDOVA, CALIFORNIA 95742**



**GEOCON PROJECT NO. S9300-06-38
TASK ORDER NO. 38, EA NO. 03-436011**

JUNE 2008



Project No. S9300-06-38
June 23, 2008

Ms. Alicia Beyer
California Department of Transportation - District 3
Environmental Engineering Office
703 B Street, P.O. Box 911
Marysville, California 95901

Subject: AERIALY DEPOSITED LEAD AND PETROLEUM HYDROCARBON
SITE INVESTIGATION REPORT
SOUTH LAKE TAHOE U.S. HIGHWAY 50 IMPROVEMENT PROJECT
PM 77.3/79.3 - TROUT CREEK TO SKI RUN BOULEVARD
SOUTH LAKE TAHOE, EL DORADO COUNTY, CALIFORNIA
CONTRACT NO. 03A1368, TASK ORDER NO. 38, EA 03-436011

Dear Ms. Beyer:

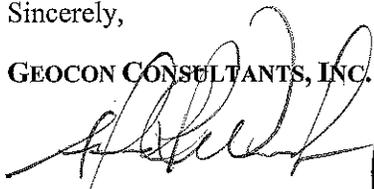
In accordance with California Department of Transportation (Caltrans) Contract No. 03A1368 and Task Order Number (TO) No. 38, EA 03-436011, Geocon Consultants, Inc. has performed environmental engineering services for the proposed South Lake Tahoe U.S. Highway 50 Improvement Project, Trout Creek to Ski Run Boulevard, located in the City of South Lake Tahoe, El Dorado County, California. The accompanying report summarizes the services performed, including the advancement of 25 direct-push and 26 hand-auger borings for aerially deposited lead and petroleum hydrocarbon sampling of soil and groundwater and subsequent laboratory testing.

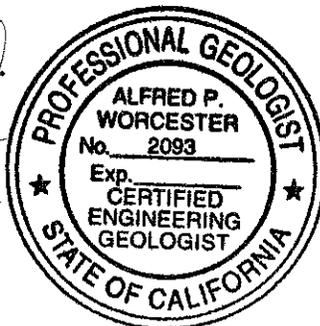
The contents of this report reflect the views of the author, who is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Please contact us if there are any questions concerning the contents of this report or if we may be of further service.

Sincerely,

GEOCON CONSULTANTS, INC.


Alfred P. Worcester, PG, CEG
Senior Project Geologist




John E. Juhrend, PE, CEG
Project Manager

APW:JEJ:jaj

(5 + 2 CD) Addressee

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AERIALY DEPOSITED LEAD AND PETROLEUM HYDROCARBON SITE INVESTIGATION REPORT

1.0 INTRODUCTION

This Aerially Deposited Lead (ADL) and Petroleum Hydrocarbon Site Investigation Report for the South Lake Tahoe U.S. Highway 50 (US-50) Improvement Project, located in the City of South Lake Tahoe, El Dorado County, California, was prepared by Geocon Consultants, Inc. under California Department of Transportation (Caltrans) Contract No. 03A1368, Task Order (TO) No. 38 and EA 03-436011.

1.1 Project Description and Proposed Improvements

The project limits consist of US-50 (Lake Tahoe Boulevard), from Trout Creek to Ski Run Boulevard (Post Mile [PM] 77.3 to 79.3). We conducted the site investigation within existing Caltrans right-of-way (ROW). US-50 within the project limits is a four-lane conventional highway. Shoulder widths vary from 2 to 8 feet (ft) and sidewalks from 5 to 8 ft. Each is intermittently present along both sides of the highway. The approximate project location and planned improvements are depicted on the Vicinity Map (Figure 1) and Site Plans (Figures 2-1 through 2-8).

Proposed highway drainage improvements include sand traps and sand vaults up to 7 ft deep, drainage inlets and pipes, and removal of existing slotted drains. Installation of Delaware Filter Boxes (referred to as vaults) is planned at four locations within the project boundaries. Other highway improvements include traffic signal poles, curb and gutter replacement, curb ramps, and shoulder widening to 6 ft. Caltrans estimates that the proposed construction will generate approximately 5,000 cubic yards of excess soil materials that will require offsite disposal.

1.2 General Objectives

The objective of this investigation was to determine the potential presence of ADL soil impacts resulting from leaded-gasoline vehicle emissions and petroleum hydrocarbon impacts within the Caltrans ROW resulting from underground storage tank (UST) releases from adjacent facilities. Caltrans will use the investigative results for preliminary project scoping and to inform the construction contractor(s) if lead-impacted soil and petroleum hydrocarbon-impacted soil and groundwater are present within the project boundaries for health, safety, management and disposal evaluation purposes. The fieldwork, sampling, laboratory analysis, and related tasks were performed in general accordance with Contract 03A1368 requirements.

2.0 BACKGROUND

2.1 Potential Lead Soil Impacts

Ongoing testing by Caltrans throughout California has indicated that ADL exists along major freeway routes due to emissions from vehicles powered by leaded gasoline.

2.2 Hazardous Waste Determination Criteria - Lead

Regulatory criteria to classify a waste as "California hazardous" for handling and disposal purposes are contained in the *CCR*, Title 22, Division 4.5, Chapter 11, Article 3, § 66261.24. Criteria to classify a waste as "Resource, Conservation, and Recovery Act (RCRA) hazardous" are contained in Chapter 40 of the Code of Federal Regulations (40 CFR), Section 261.

For waste containing metals, the waste is classified as California hazardous when: 1) the total metal content exceeds the respective Total Threshold Limit Concentration (TTLC); or 2) the soluble metal content exceeds the respective Soluble Threshold Limit Concentration (STLC) based on the standard Waste Extraction Test (WET). A waste may have the potential of exceeding the STLC when the waste's total metal content is greater than or equal to ten times the respective STLC value, since the WET uses a 1:10 dilution ratio. Hence, when a total metal is detected at a concentration greater than or equal to ten times the respective STLC, and assuming that 100 percent of the total metals are soluble, soluble metal analysis is required. A material is classified as RCRA hazardous, or Federal hazardous, when the soluble metal content exceeds the Federal regulatory level based on the Toxicity Characteristic Leaching Procedure (TCLP). The regulatory values for TTLC lead is 1,000 milligrams per kilogram (mg/kg). Both the STLC and TCLP regulatory values for lead are 5.0 milligrams per liter (mg/l).

The above regulatory criteria are based on chemical concentrations. Wastes may also be classified as hazardous based on other criteria such as ignitability and corrosivity; however, for the purposes of this investigation, toxicity (i.e., lead concentrations) is the primary factor considered for waste classification since waste generated during the construction activities would not likely warrant testing for ignitability or corrosivity. Waste that is classified as either California hazardous or RCRA hazardous requires management as a hazardous waste.

The Department of Toxic Substances Control (DTSC) regulates and interprets hazardous waste laws in California. DTSC generally considers excavated or transported materials that exhibit "hazardous waste" characteristics to be a "waste" requiring proper management, treatment and disposal. Soil that contains lead above hazardous waste thresholds and is left in-place would not be necessarily classified by DTSC as a "waste." The DTSC has provided site-specific determinations that "movement of wastes within an area of contamination does not constitute "land disposal" and, thus, does not trigger hazardous waste disposal requirements." Therefore, lead-impacted soil that is scarified in-place, moisture-conditioned,

moisture-conditioned, and recompacted during roadway improvement activities might not be considered a "waste." DTSC should be consulted to confirm waste classification. It is noted that in addition to DTSC regulations, health and safety requirements and other local agency requirements may also apply to the handling and disposal of lead-impacted soil.

2.3 Potential Petroleum Hydrocarbon Impacts

Caltrans identified the following seven locations along US-50 where subsurface petroleum hydrocarbon contamination may exist due to formerly leaking USTs:

- Alta Mira Building, 3351 Lake Tahoe Boulevard, GeoTracker Case #6T0199A
- Fox Gas Service Station, 3376 Lake Tahoe Boulevard, GeoTracker Case #6T0205A
- Former Tahoe Sands Inn/Motel 8, 3600 Lake Tahoe Boulevard, GeoTracker Case #6T0169A
- Moss Chevron (Al's Chevron Way), 3651 Lake Tahoe Boulevard, GeoTracker Case #6T0305A
- Former "Al's Ski Run," 3659 Lake Tahoe Boulevard, GeoTracker Case #6T0076A
- Former "Jet Thru" Car Wash, 3668 Lake Tahoe Boulevard, GeoTracker Case #6T0110A

We reviewed case files at the El Dorado County Environmental Management Department (EDCEMD), and conducted a project site review. From this review, we determined that the Timber Cove Marina UST (GeoTracker Case #6T0086A) release location was at least 1,000 ft north and down-gradient of US-50, and therefore eliminated as a facility of concern. The reviewed EDCEMD files described two additional UST sites within the project limits. These include:

- Former Bijou Shell Station, 3460 Lake Tahoe Boulevard; southwest corner of Lake Tahoe Boulevard and Fairway Avenue (GeoTracker Case #6T0130A).
- Former Mobile Station 04-EXA, 3433 Lake Tahoe Boulevard; northwest corner of Lake Tahoe Boulevard and Bal Bijou Road (GeoTracker Case #6T0013A).

The Lahontan Regional Water Quality Control Board (RWQCB) and Caltrans identified petroleum hydrocarbon and volatile organic compound (VOC) concerns due to potential contaminant migration along utility backfill, because of leaks or spills from former service stations and/or dry cleaning facilities. The improvements potentially affected by these contaminants include:

- Four drainage vaults proposed along Lake Tahoe Boulevard at Station 152+00 (near Lake View Drive), Station 166+75 (near Takela Boulevard), and Station 200+00 (two vaults between Herbert Avenue and Ski Run Boulevard).
- Traffic signal located at Tallac Avenue (two westerly corners) and Takela Boulevard (all four corners).

Dewatering may be required during construction of the planned highway improvements. Petroleum hydrocarbon or other hazardous material impacts to groundwater may significantly affect the design and construction of the proposed project. Dewatering water must be either off-hauled, treated onsite prior to disposal, or meet the City of South Lake Tahoe's water quality requirements for disposal to the municipal sewer treatment system.

2.4 Waste Determination Criteria – Petroleum Hydrocarbons

Currently, regulatory criteria for the classification of wastes based solely on the concentrations of total petroleum hydrocarbons (TPH), such as gasoline, diesel, and motor oil, have not yet been promulgated. Disposal of TPH-impacted soil and groundwater is generally regulated by disposal facility permit and acceptance criteria.

3.0 SCOPE OF SERVICES

The following scope of services was performed as defined by Caltrans in TO No. 38 and as requested by the Caltrans Quality Assurance (QA) Manager:

3.1 Pre-field Activities

- Conducted a TO meeting on April 14, 2008, to discuss the TO scope of services. Present at the meeting were Caltrans QA Manager Alicia Beyer, Geocon Contract Manager John Juhrend, and Geocon TO Manager Alfred Worcester. The purpose of the TO meeting was to identify and discuss the project boundaries and existing site conditions, and to review the scope of services.
- Prepared a *Health and Safety Plan* dated April 17, 2008 to provide guidelines on use of personal protective equipment and the health and safety procedures implemented during the field activities.
- Prepared a *Workplan* dated April 18, 2008, which describes the requested scope of services, the quality assurance/quality control (QA/QC) plan, and the sampling and laboratory procedures.
- Marked the approximate project limits and individual boring locations in white paint for subsequent utility clearance notification through Underground Service Alert (USA).
- Provided 48-hour notice to USA (Ticket Nos. 0142177, 0142181, 0142185, 0142192, 0138865, 0138870, 0138873, 0138808, 0138820, 0138823, 0138829, 0138842, 0138845, 0138850, and 0138856) prior to job site mobilization.
- Retained the services of Advanced Technology Laboratories (ATL), a Caltrans-approved and California-certified analytical laboratory, to perform the chemical analyses of samples.
- Retained the services of Flash Safety and Cruz Brothers, both Caltrans-approved subcontractors, to provide traffic management and underground utility clearance services.
- Obtained an EDCEMD drilling permit. Caltrans obtained and provided us with a Tahoe Regional Planning Agency (TRPA) drilling permit, and a Lahontan RWQCB permit. Copies of the permits are presented in Appendix A.

- Met with the Caltrans QA manager prior to each day's field activities, to discuss and refine the proposed exploration and sampling locations, and to discuss the traffic control safety needs for the day.
- Conducted a 1-hour site safety meeting on the morning of April 21, 2008. Present were the Geocón TO manager and senior field technician, the Caltrans QA manager, and staff from the subcontractors, which included Cruz Brothers and Flash Safety. USA subscribers were also present, and included South Tahoe Public Utilities District (STPUD) and Southwest Gas.

3.2 Field Activities

We conducted our field investigation activities from April 21 to 24, 2008. These activities included soil sampling for lead, and soil and groundwater sampling for petroleum hydrocarbons at identified areas of concern (see Section 2.3). USA subscribers cleared the proposed boring locations prior to the start of our fieldwork. Subsequently, Cruz Brothers performed a utility survey on April 21, 2008, using electrical locating equipment and visual observations to assist in clearing the boring locations. Other USA subscribers continued underground their utility marking activities while we conducted our field investigation.

3.2.1 Aerially Deposited Lead

The ADL field sampling activities consisted of collecting hand-augered soil samples along the east- and west-bound shoulders of US-50, between PM 77.3 and 79.3, at locations specified in the field by the Caltrans QA manager. At petroleum hydrocarbon-impacted sites where direct-push borings were advanced, and if the boring was located in unpaved shoulders and landscape areas, we collected soil samples of the upper three ft of the borehole for ADL analysis.

Thirty ADL soil borings (DP2, HA8 through HA11, HA16 through HA18, HA21 through HA24, DP29, DP34 through DP36, and HA38 through HA51) were excavated to an approximate depth of 3.0 ft. We collected three soil samples from each boring, at depths of 0 to 1.0 foot, 1.0 to 2.0 ft and 2.0 to 3.0 ft.

3.2.2 Petroleum Hydrocarbons

The petroleum hydrocarbon field sampling activities consisted of the advancement of twenty-five direct-push borings (DP1 through DP7, DP13 through DP15, DP19, DP20, and DP25 through DP37) and one hand-auger boring (HA12) for the collection of soil and/or groundwater samples. We advanced the direct-push soil borings to depths of 8 to 12 ft using a truck-mounted direct-push rig. We hand-augered boring HA12 to 8 ft due to underground utility conflicts. Soil samples were collected at approximate depths of 4 and 6 ft in the 8-foot borings, and additionally at 10 ft in the 12-foot borings.

Specific to the proposed drainage vaults, we advanced direct-push borings DP5, DP6, DP26, DP33, DP34 and DP35. Specific to the proposed traffic signals, we advanced direct-push borings DP1, DP2, DP36, and

and DP37. Where groundwater was encountered, we collected water samples by setting temporary well casing. We set temporary casing in borings HA12, DP13, DP14, DP15, DP19, DP20, DP27 and DP28.

3.2.3 Waste Disposal

Excess soil cuttings and acetate liners generated during drilling were contained in a single Department of Transportation-approved, 17-H, 55-gallon drum, temporarily stored on the support truck during the investigation. We have disposed of the drum and its contents, using the services of a licensed hazardous waste transporter.

4.0 INVESTIGATIVE METHODS

We conducted the field investigation in general accordance with the Caltrans-approved *US Highway 50 South Lake Tahoe, ADL and Petroleum Hydrocarbon Site Investigation Workplan*, prepared by Geocon and dated April 18, 2008. Where requested by the Caltrans QA manager, Geocon field staff added, adjusted, and/or eliminated proposed sampling locations. The final sampling locations are shown on the attached Site Plans, Figures 2-1 through 2-8.

4.1 Boring Sample Location Rationale

The Caltrans QA manager and the Geocon TO manager reviewed proposed exploration locations in the field, and designated the actual boring locations based on the proposed improvements, areas of specific hazardous materials-impact concerns, ease of access, safety, and existing utility interference. The following sections describe the boring locations and sampling intervals.

4.1.1 Aerially Deposited Lead

The ADL site investigation included 25 hand-augered soil borings and 5 direct-push soil borings between PM 77.3 and 79.3, along Lake Tahoe Boulevard (US-50). We advanced the borings along the unpaved shoulders at locations with proposed road shoulder widening, storm drain inlets, and infiltration vaults, and at proposed intersection improvements that include traffic light signal poles and turn lanes.

We obtained soil samples for ADL analysis from the following direct-push borings: DP2, DP29, and DP34 through DP36. We obtained ADL soil samples from the following hand-augered borings: HA8 through HA11, HA16 through HA18, HA21 through HA24, and HA38 through HA51.

4.1.2 Petroleum Hydrocarbons

The Caltrans QA manager and the Geocon TO manager identified petroleum hydrocarbon UST release sites adjacent to the proposed US-50 improvements, as listed below. These documented releases may have impacted the subsurface soil and/or groundwater beneath the highway, and in the areas of the

proposed improvements. Below, we identify the borings drilled in Caltrans ROW, adjacent to these potentially petroleum hydrocarbon impacted facilities:

- Fox Gas Service Station (3396 Lake Tahoe Boulevard) – DP1 through DP4
- Former Tahoe Sands Inn/Motel 8 (3600 Lake Tahoe Boulevard) – DP5 through DP7
- Former “Jet Thru” Car Wash (3668 Lake Tahoe Boulevard) – HA12, DP13, DP14, and DP15
- Former “Al’s Ski Run” Chevron (3659 Lake Tahoe Boulevard) - DP19 and DP20
- Moss Chevron (Al’s Chevron Way) (3651 Lake Tahoe Boulevard) – DP24
- Former Mobile Station 04-EXA (3433 Lake Tahoe Boulevard) – DP27 and DP28
- Alta Mira Building (3351 Lake Tahoe Boulevard) – DP31 and DP32

The Lahontan RWQCB and Caltrans identified similar petroleum hydrocarbon and VOC concerns at other proposed highway improvement locations. These concerns were due to potential contaminant migration along utility backfill, because of leaks or spills from former service station and/or dry cleaning facilities. Therefore, adjacent to the proposed roadway improvements listed below, we advanced the following borings in Caltrans ROW along Lake Tahoe Boulevard:

- Traffic signals at the Takela Boulevard intersection – DP1, DP2, DP29, and DP30
- Traffic signals at the Tallac Avenue intersection – DP26 and DP37
- Drainage vaults (Stations 152+00, 166+75, and 200+00 (two vaults)) – DP5, DP6, DP24, DP33, DP34, and DP35

We were unable to drill at the following location, due to underground utility interference, limited Caltrans ROW area in the shoulder, and traffic safety concerns:

- Former Bijou Shell Service Station (3460 Lake Tahoe Boulevard)

The coordinates of the ADL and petroleum hydrocarbon sampling locations were determined using a hand-held, differential global positioning system (GPS). The GPS was used during the field activities to locate the horizontal position of each location with an error of no more than 3.3 ft. Some GPS data may have less than 3.3-foot accuracy due to limited satellite access caused by line-of-sight obstructions. The latitude and longitude of the boring locations are summarized on Table 1.

4.2 Aerially Deposited Lead Soil Sampling Procedures

Ninety soil samples were collected from 30 hand-auger and direct-push borings. The fieldwork was conducted between April 21 and 24, 2008. Soil samples obtained from the direct-push borings were collected in cellulose thermoplastic (acetate) liners driven by the direct-push rig. After collection, the

acetate liner that contained the soil sample was cut open, and the soil samples transferred to Ziploc® re-sealable plastic bags. Hand-augered soil samples were collected directly from the bottom of the hand-auger. These soil samples were transferred from the hand-auger bucket to Ziploc® re-sealable plastic bags. The soil samples were field homogenized within the sample bags and subsequently labeled, placed in an ice chest, and delivered to ATL under chain-of-custody (COC) documentation.

QA/QC procedures were performed during the field sampling activities. These procedures included decontamination of sampling equipment before each boring was advanced and providing COC documentation for each sample submitted to the laboratory. The soil sampling equipment was cleansed between each boring by washing the equipment with an Alconox™ solution followed by a double rinse with deionized water. The field sampling activities were performed under the supervision of Geocon's TO manager.

The hand-augered soil borings were backfilled with the excess soil cuttings. The decontamination water was discharged to the ground surface away from surface water bodies or storm drain inlets. The direct-push borings were backfilled with neat cement grout per the requirements of the EDCEMD drilling permit.

4.3 Petroleum Hydrocarbon Soil and Groundwater Sampling Procedures

For analysis of potential petroleum hydrocarbon contamination of soil and/or groundwater, we advanced 25 direct-push borings that ranged in depth from 8 to 12 ft. We also advanced one hand-augered boring to a depth of 8 ft.

Soil samples obtained from the direct-push borings were collected in acetate liners driven by the direct-push rig. After collection, the soil sample liner was split into samples at the indicated depths, and each section of the tube fitted with Teflon™ sheets, capped, labeled and placed in an ice chest, pending delivery to ATL under COC procedures. Samples to be analyzed for VOCs were obtained from the ends of the acetate lines using EnCore® samplers. To decrease VOC volatilization, we placed the EnCore® samples on dry ice.

The remaining soil in the acetate liners was transferred to re-sealable Ziploc® plastic bags and evaluated in the field for odor and soil discoloration. The soil in the bag was then field-screened using a photo-ionization detector (PID). Soil types and PID readings for each boring were noted on the boring logs, which are presented in Appendix B. After completion, the borings were grouted to the surface with neat cement. We placed a nominal 3-inch asphalt-concrete cap on the borings located in the highway. Hand-augered soil samples were transferred to Ziploc® re-sealable plastic bags. The soil samples were field homogenized within the sample bags and subsequently labeled, placed in an ice chest, and delivered to ATL under COC documentation.

Grab groundwater samples were collected from borings HA12, DP13 through DP15, DP19, DP20, DP26, and DP27. After advancing the borings to 8 ft, we constructed a temporary well using ¾-inch-diameter, Schedule 40, PVC casing, with a 5-foot-long 0.010-inch or 0.020-inch slotted screen (bottom) and a 5-foot section of solid casing (top) in the borehole. The casing and screen were left in the borings for 5 to 10 minutes to allow for infiltration of groundwater. Collected water samples were placed into a one-liter amber jar and four 40-milliliter volatile organic analysis (VOA) vials using a disposable bailer. The samples were sealed, labeled, placed in an ice chest containing ice and subsequently delivered to ATL under COC documentation.

4.4 Traffic Control

Flash Safety provided traffic control during the field investigation activities performed on April 21 to 23, 2008, in general accordance with Caltrans-reviewed traffic control plans. The submitted traffic control plan was prepared in general accordance with the *California Manual of Uniform Traffic Control Devices* (dated September 26, 2006) and *Caltrans Standard Plans*. Traffic control consisted of a “Changeable Message” sign placed 1,500 ft before multiple “Advance Warning” signs (Sign Identification Nos. W-20, W-11, and C-30). The lane closure was constructed with traffic cones, and an attenuator truck parked behind the Geocon field vehicles while we worked inside of the travel way. The direct-push rig was positioned in the closed travel lane No. 2 (slow lane) such that there was no additional hindrance to traffic. Rooftop warning lights were also activated on the direct-push rig, the support truck, the Caltrans vehicles, and on the Flash Safety vehicles.

4.5 Laboratory Analyses

4.5.1 ADL Soil Samples

The ADL soil samples collected within the project boundaries were submitted to ATL for the following analyses under expedited five-day turn-around-time (TAT). The laboratory was instructed to homogenize the ADL soil samples prior to analysis in accordance with Contract 03A1368 requirements.

- Ninety soil samples were analyzed for total lead following United States Environmental Protection Agency (EPA) Test Method 6010B.
- Five selected soil samples were analyzed for soil pH using EPA Test Method 9045C.
- Nine soil samples were analyzed for WET soluble lead following EPA Test Method 7420.

4.5.2 Petroleum Hydrocarbon Soil Samples

We collected fifty-nine soil samples near former UST release sites. The samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) and gasoline (TPHg) following EPA Test Method 8015B(M), under expedited five-day TAT. The samples were also analyzed for benzene, toluene, ethyl-benzene,

ethyl-benzene, and total xylene (BTEX) following EPA Test Method 8021B, under expedited five-day TAT. Fifty-six soils samples were analyzed for methyl tert-butyl ether (MTBE) following EPA Test Method 8021B, under expedited five-day TAT.

For VOC analysis, we collect 16 soil samples using the EnCore[®] sampler vials. These samples were analyzed for VOCs (including tetrachloroethylene, aka PCE) following EPA Test Method 8260B under expedited five-day TAT.

4.5.3 Groundwater Samples

Groundwater samples were collected from eight temporary wells and analyzed for TPHg, TPHd, and BTEX following EPA Test Method 8015B(M), and for VOCs following EPA Test Method 8260B, under expedited five-day TAT.

4.5.4 Field and Laboratory QA/QC Methods

The soil and groundwater samples were submitted to ATL for analyses under expedited five-day TAT basis (EnCore[®] soil samples require preservation within 2 days). In accordance with Caltrans Contract 03A1368, ATL homogenized the soil samples prior to analysis for metals. QA/QC procedures were conducted for each method of analysis with specificity for each analyte listed in the test method's QA/QC. The laboratory QA/QC procedures included the following:

- One method blank for every ten samples, batch of samples or type of matrix, whichever is more frequent.
- One sample analyzed in duplicate for every ten samples, batch of samples or type of matrix, whichever is more frequent.
- One spiked sample for every ten samples, batch of samples or type of matrix, whichever is more frequent, with spike made at ten times the detection limit or at the analyte level.
- One travel blank submitted with each batch of groundwater samples.

The COC documentation was reviewed for accuracy and completeness prior to submitting the soil and groundwater samples to the laboratory. The laboratory was instructed to handle, analyze, and conduct QA/QC procedures in accordance with Caltrans Contract 03A1368. Copies of the laboratory analytical reports including QC summary and COC documentation are presented in Appendix C.

5.0 FIELD OBSERVATIONS AND INVESTIGATIVE RESULTS

5.1 Soil and Hydrogeologic Conditions

Site soils generally consist of unconsolidated alluvium composed of silty sand, gravelly sand, and sand with silt and clay to depths of 8 to 12 ft. We observed saprolitic silty, clayey sand that graded to decomposed granite in borings DP1, DP2, and DP35. In the Caltrans ROW, we generally encountered 3

3 to 6 inches of asphalt concrete over 6 inches of aggregate baserock. We may have encountered utility backfill in some of our borings; however, native materials were typically used as backfill, and in the absence of other indicators, we were unable to distinguish between native alluvium and structural fill. We did not encounter refusal to either the direct push-probe or the hand-auger.

Groundwater was encountered at depths from 3.5 ft in DP27 to 6.5 ft in DP20. Saturated (wet) soils that did not produce free groundwater were encountered at depths of approximately 7 to 8 ft in borings DP5, DP6, DP7, DP24, and DP25. Groundwater was not encountered in the ADL borings, including the 3-foot deep hand-augered borings. It should be noted that fluctuations in the level of groundwater might occur due to variations in rainfall, temperature, snowmelt, and other factors. Depth to groundwater can also vary significantly due to localized pumping, irrigation practices, and seasonal fluctuations. Therefore, it is possible that during roadway construction, groundwater will be higher or lower than the levels observed during this investigation.

Boring logs depicting the soil conditions encountered and the sample locations are presented in Appendix B.

5.2 Review of UST Release Information from Existing or Former Facilities

We identified ten facilities along the alignment, from Trout Creek to Ski Run Boulevard (PM 77.3 to PM 79.3, west to east), which had (or have) significant petroleum hydrocarbons impacts to soil and/or groundwater due to releases from leaking underground storage tanks (LUST). These facilities are located adjacent to US-50 (Lake Tahoe Boulevard) and within the limits of the project. To prepare this summary, we reviewed documents and data available from the GeoTracker database website and from available documents at the EDCEMD office located in South Lake Tahoe.

We show the approximate extent of documented petroleum hydrocarbon impacts to groundwater on the Site Plans, Figures 2-1 through 2-8. Where data was available from the reviewed files, the figures also depict the approximate direction and date of measured groundwater flow within the documented TPH plume. Photographs of these facilities of interest are attached.

Alta Mira Building - 3351 Lake Tahoe Boulevard (Facility 1, Figure 2-5)

Information in the files reviewed for this facility indicates that petroleum hydrocarbon-impacted soil was identified in 1995. A fuel spill occurred during filling of a 330-gallon (gal) UST located in the northeast corner of the property. A site investigation in 1999 confirmed heating-oil petroleum hydrocarbon impacts to soil. Due to the UST's location beneath a structure, it was closed in-place by concrete slurry. Four groundwater monitoring wells were installed during the 1999 investigation. Subsequent testing of groundwater samples from the monitoring wells (in 2000) showed that groundwater was impacted with diesel hydrocarbons. However, the last groundwater monitoring event

(October 2005) did not detect TPH-purgeable, TPHd, MTBE, BTEX, or TPH motor oils (mo) at concentrations exceeding the method reporting limit (MRL).

Remediation consisted of removal of impacted soil, except where existing structures inhibited access. Diesel-impacted soil remains beneath the structure. Other than UST removal, remediation has been by natural attenuation. The depth to groundwater beneath the facility was reported to be 21 to 28 ft, with a northeast flow direction. Post-remediation monitoring was conducted from 2000 to 2005. Following one year of non-detect results for petroleum hydrocarbons in groundwater, the RWQCB reviewed the case status in 2005 and closed the file in 2007.

This facility is located on the north side of US-50. Due to the distance of the former LUST and spill area from US-50 (more than 200 ft), the down-gradient location of the spill, and the spill size, potential TPH impacts to soil and groundwater in Caltrans ROW adjacent to this facility are relatively low. A photograph of this facility is presented as Photo No. 1.

Fox Gas Station - 3376 Lake Tahoe Boulevard (Facility 2, Figure 2-6)

Information in the files reviewed for this facility indicates a petroleum hydrocarbon leak was reported in May 1995, which had impacted soil and groundwater. A site investigation was conducted following removal of one diesel, one waste oil, and two gasoline USTs in 1995. Fifteen onsite and offsite groundwater monitoring wells were installed between 1995 and 1999. TPHd concentrations up to 1,500 mg/kg were reported for soils samples from beneath the waste oil tank. Remediation activities included excavation and disposal of impacted soil (1995), and vapor extraction treatment of petroleum hydrocarbon-impacted soil and groundwater (1999 to 2002). A pump and treat system was briefly reactivated in late 2002, following an apparent rebound of MTBE in an offsite groundwater monitoring well. The wells were abandoned in 2004, in accordance with a workplan reviewed by the EDCEMD.

The depth to groundwater beneath the facility was reported to range from 9 to 25 ft, with flow in a northerly direction. Post-remediation monitoring was conducted from 2001 to 2002. The RWQCB issued a no further action required letter in March 2004. The case file status is closed.

This facility is located on the south side of US-50. During 2007, the facility was renovated with new fuel dispensing islands, piping, and a service building. Based on the reviewed data, there is a low potential for TPH impacts to soil and groundwater in Caltrans ROW adjacent to this facility. A photograph of this facility is included as Photo No. 2.

Former "Mobil Station 04-EXA" - 3433 Lake Tahoe Boulevard (Facility 3, Figure 2-6)

Our review indicates that petroleum hydrocarbon-impacted soil and groundwater was identified at this facility in 1985. A site investigation was conducted following removal of five USTs in 1987.

Groundwater monitoring wells were installed and remediation activities performed, including the use of oxygen-release canisters in 2006. Pre-2006 remediation activities were not described in the reviewed files.

The depth to groundwater beneath the facility was reported to be 9 ft in November 2007, with a northeast flow direction. The facility is currently in post-remediation monitoring. During a Fourth Quarter 2007 groundwater-monitoring event, chemical impacts to groundwater were observed in one monitoring well. Groundwater samples collected from offsite groundwater monitoring wells were non-detect for TPHg and BTEX. The case file status is open.

This facility is located on the north side of US-50. The site's building is occupied by a commercial/retail business, and the former dispensing islands have been removed. Based on the data reviewed, there is a significant potential for adverse impacts to soil and groundwater within Caltrans ROW adjacent to this facility. Our field investigation results confirm that TPH impacts are present within the Caltrans ROW adjacent to this facility (see Sections 5.4 and 5.5). A photograph of this facility is presented as Photo No. 3.

Former "Bijou Shell" Service Station - 3460 Lake Tahoe Boulevard (Facility 4, Figure 2-6)

Our review indicates the original station contained four fuel USTs, one heating oil UST, one waste oil UST, two dispenser islands, and a station building with a service bay. The USTs were discovered to be leaking in 1992, and an initial remediation plan for impacted soil and groundwater developed in 1998. Further site investigations were conducted in 2002, resulting in continued remediation activities. Groundwater monitoring wells were installed between 1991 and 2002. Remediation activities were performed from 1998 to 2003, and included UST removal, vacuum extraction (1993), air sparging (1994), bioremediation (1999), and a groundwater pump and treat system (1996).

The median depth to groundwater was reported to be 3.5 ft (2005), with a range of 0.0 to 7.5 ft. Groundwater flow direction was typically northwest to northeast. The principal chemical of concern, benzene, was detected in groundwater at a concentration of 140 micrograms per liter ($\mu\text{g/l}$) in May 2003. The original contaminant plume was not confined within property boundaries, and had migrated northward beneath US-50. A site closure request was accepted by the RWQCB in August 2005, and the monitoring wells destroyed. The case file status is closed.

This facility is located on the south side of US-50. The property is occupied by the "Ski Run Liquor Market," and the former dispensing islands and service bays have been removed. Based on the reviewed data and the facility's location on the south side of US-50 (i.e. upgradient), there is a significant potential for adverse impacts to subsurface soils within Caltrans ROW adjacent to this facility. Our field investigation results confirm that TPH impacts are present within the Caltrans ROW adjacent to this

adjacent to this facility. We were not able to drill or collect soil samples adjacent to this facility, due to significant underground utility interference. A photograph of this facility is presented as Photo No. 4.

Former Tahoe Sands Inn/Motel 8 - 3600 Lake Tahoe Boulevard (Facility 5, Figures 2-7 and 2-8)

Our review of EDCEMD files indicates that petroleum hydrocarbon-impacted soil was identified at this facility in March 1994. A site investigation confirmed a leak from a 1,000-gal heating oil UST. Diesel and motor oil range petroleum hydrocarbons have impacted soil to a depth of 7.5 ft. Groundwater does not appear to have been impacted. Remediation consisted of removal of impacted soil, except where existing structures inhibited access. The case file status is closed.

This facility is located on the south side of US-50. The motel is now named "Motel 8." Due to the distance of the former UST from US-50 and no reported impacts to groundwater, there is a low potential for TPH impacts to soil and/or groundwater within Caltrans ROW adjacent to this facility. Other than low level TPHd (less than 10 mg/kg), our field investigation did not identify TPH impacts within the Caltrans ROW adjacent to this facility. A photograph of this facility is presented as Photo No. 5.

Former "Al's Chevron Way" Station (Moss Chevron) - 3651 Lake Tahoe Boulevard (Facility 6, Figure 2-8)

Our review indicates that petroleum hydrocarbon-impacted soil and groundwater were identified at this facility during a 1999 site investigation. A remediation plan was approved in 2000. Groundwater monitoring wells were installed and remediation activities performed from 2001 to late 2007. Remediation included removal of the LUSTs, installation of a groundwater pump and treat system, and hydrogen peroxide injection.

The depth to groundwater beneath the facility was reported between 3.5 to 7.5 ft (June 2005), with a northwest flow direction. Remediation and groundwater monitoring activities continue to the present. The principal chemical of concern is MTBE. The majority of the current contaminant plume is confined within property boundaries, except to the north, where the plume migrated 25 ft offsite. The case file status is open.

This facility is located on the north side of US-50, and presently occupied by the Moss Chevron station. Based on the reviewed data, there is a low potential for TPH impacts to subsurface soils in Caltrans ROW adjacent to this facility. Our single boring in front of this facility encountered low (less than 8 mg/kg) levels of TPHd. A photograph of this facility is presented as Photo No. 6.

Former Al's Ski Run Chevron (Chevron Station 9-2450) - 3659 Lake Tahoe Boulevard (Facility 7, Figure 2-8)

Our review indicates the original Chevron station was constructed in the 1950s. At least three generations of USTs existed at this facility, including four fuel USTs installed in the 1950s, three USTs

USTs installed in the 1960's, and at least four, smaller waste and heating oil USTs installed during the same time frame. The original USTs were located in the southern corner of the property, and later USTs installed to the north and east of the earlier tanks. We found no information regarding the size of the first two generations of USTs. The station, USTs, and dispensing islands were removed in 1996, to allow for redevelopment.

Leaking USTs were identified in 1996, after a geotechnical investigation for new development. Groundwater monitoring wells were installed between 1996 and 2007. Remediation activities were started in 1995 (after first UST removal), and continue to the present. Remediation included groundwater pump and treat, vacuum extraction (1995), removal of eight USTs (1996), over-excavation of impacted soil (1996), and air sparging with ozone/oxygen enhancement (September 2006).

Petroleum hydrocarbons have impacted soil and groundwater to depths of up to 20 ft. The depth to the first groundwater was reported to be 5 to 10 ft. Groundwater flow direction was typically north-northwest. The principal chemicals of concern are MTBE, benzene, TPHg, and TPHd. The highest concentrations detected in groundwater (November 2007) were 16,000 µg/l MTBE, 3,300 µg/l TPHg, 900 µg/l benzene, and 11,000 µg/l TPHd. The contaminant plume has migrated laterally 300 ft to the northeast, and penetrated to a depth greater than 50 ft. The reviewed data indicates the plume has not migrated to the south. However, subsurface assessments coordinated with a nearby facility (Jet-Thru Car Wash) suggest that the Car Wash's contaminant plume has migrated northward onto the Chevron property. The reviewed data also suggests petroleum hydrocarbon contaminant migration along underground utility trenches located beneath US-50. The case file status is open.

This facility is located on the north side of US-50. The property is now a landscape area located adjacent to the Embassy Vacation Resort. Based on the reviewed data, there is a high potential for adverse impacts to soil and groundwater in Caltrans ROW adjacent to this facility. Soil and groundwater data obtained during our investigation adjacent to this facility indicated the presence of TPH impacts beneath US-50. A photograph of this facility is presented as Photo No. 7.

Former "Jet-Thru Car Wash" - 3668 Lake Tahoe Boulevard (Facility 8, Figure 2-8)

Our review indicates three leaking USTs were identified in 1991, during UST removal activities at this former service station and car wash. In August 1998, gasoline was discovered leaking from the recently installed dispenser sumps. A second UST removal event occurred in 2001. Onsite and offsite groundwater monitoring wells were installed between 1992 and 2002. Remediation activities included an initial attempt using bioremediation and dual-phase vapor extraction system (1996 to 2001), later proven to be ineffective, an air sparge system (1999 to 2001), two over-excavation and disposal events to remove over 2,300 cubic yards of petroleum-hydrocarbon impacted soil (2001 and 2002), groundwater pump and treat (2001), and a current system using a combination ozone/hydrogen peroxide injection and bio-sparge treatment.

Depths to first groundwater (December 2007) is reported to range from 2.6 to 8.7 ft. Groundwater flow direction was historically to the north, with fluctuations to the northeast and northwest. The principal chemicals of concern are TPHg, fuel oxygenates (DIPE, TAME, MTBE, etc.) and BTEX constituents. The highest concentrations of TPHg were measured at 6,800 µg/l (December 2007), MTBE at 50 µg/l, benzene at 50 µg/l, toluene at 10 µg/l, ethyl-benzene at 960 µg/l, and total xylene at 1,100 µg/l. Based on reviewed documents, it appears the original contaminant plume had migrated outside property boundaries, flowing to the north and beneath US-50. The case file status is open.

This facility is located on the south side of US-50. A strip-mall structure occupies the former car wash. Based on the reviewed data, there is a high potential for TPH impacts to soil and groundwater in Caltrans ROW adjacent to this facility. Our field investigation results confirm that TPH impacts are present beneath US-50 adjacent to this facility (see Sections 5.4 and 5.5). Photographs of this facility are presented as Photo Nos. 8 to 10.

5.3 ADL Soil Analytical Results

Total lead was detected above the MRL (5.0 mg/kg) in 34 of the 90 soil samples analyzed, with concentrations ranging from <5.0 to 170 mg/kg, and an average concentration of 6.3 mg/kg. Nine of the soil samples had reported total lead concentrations greater than 50 mg/kg (i.e., ten times the STLC value for lead of 5.0 mg/l). These samples were analyzed for soluble lead using the WET extraction method, with reported concentrations ranging from <0.25 to 9.8 mg/l. Four of the nine samples had reported soluble lead concentration greater than 5.0 mg/l.

Reported soil pH values ranged from 6.8 to 8.2.

A summary of the total and soluble lead and soil pH analytical data is presented on Table 2. There were no sample dilutions associated with the analyses conducted. The laboratory reports and chain-of-custody documentation are presented in Appendix C.

5.4 Petroleum Hydrocarbons in Soil Analytical Results

Fifty-nine soil samples were analyzed for petroleum hydrocarbons as part of this investigation. Gasoline constituents (TPHg) were detected at concentrations above the MRL of 1.0 mg/kg in 7 soil samples, with concentrations ranging from 1.1 to 140 mg/kg (one sample at 140 mg/kg, and six samples with less than 10 mg/kg). Diesel constituents (TPHd) were detected above the MRL of 1.0 mg/kg in all fifty-nine soil samples, with concentrations ranging from 1.0 to 120 mg/kg (one sample at 120 mg/kg, and fifty-eight samples at less than 24 mg/kg), and an average concentration of 6.4 mg/kg.

BTEX constituents were detected at concentrations greater than the MRL in soil samples DP14-3, DP15-4, DP15-6 and DP20-5. Benzene was detected at a concentration of 32 µg/kg in one soil sample (DP14-3). Ethyl-benzene was detected at concentrations ranging from 9.1 to 39 µg/kg (DP15-4, DP15-6 and DP20-5), and total xylene was detected at concentrations ranging from 13 to 64.8 µg/kg (DP14-3, DP15-4, DP15-6 and DP20-5). Toluene and MTBE were not detected in any of the soil samples analyzed.

Seventeen soil samples were analyzed for VOCs. VOCs were not detected at concentrations above the MRLs for each constituent of the VOC testing method. Petroleum hydrocarbons and VOC soil analytical results are presented on Table 3. The laboratory reports and chain-of-custody documentation are presented in Appendix C.

5.5 Petroleum Hydrocarbons in Groundwater Analytical Results

To obtain groundwater samples, we installed temporary well casing to depths of 8 ft in borings HA12, DP13, DP14, DP15, DP19, DP20, DP27, and DP28. We did not observe groundwater in the other borings advanced to depths of 3 to 12 ft.

Five of eight groundwater samples contained TPHg at concentrations (above the MRL of 0.05 mg/l) ranging from 0.072 to 14 mg/l. TPHd was detected in the eight groundwater samples at concentrations (above the MRL of 0.05 mg/l) ranging from 0.098 to 5.4 mg/l. MTBE was detected in four of eight samples at concentrations (above the MRL of 0.50 µg/l) ranging from 7.7 to 590 µg/l.

BTEX constituents were detected above the MRL (0.5 to 1.0 µg/l) in six of eight groundwater samples. Benzene was detected in two of eight samples at concentrations of 71 and 320 µg/l. Toluene was detected in four of eight groundwater samples at concentrations ranging from 1.0 to 220 µg/l. Ethyl-benzene was detected in three of eight samples at concentrations ranging from 3.3 to 740 µg/l. Total xylene was detected in five of eight samples at concentrations ranging from 0.96 to 504.9 µg/l.

We show concentrations of petroleum hydrocarbons from analyzed groundwater samples on the Site Plans, Figures 2-1 through 2-8. A summary of groundwater analytical results is presented on Table 4. The laboratory reports and chain-of-custody documentation are presented in Appendix C.

5.6 Laboratory Data Validation

Analytical results were forwarded to Geocon during May 2008. Our review of the laboratory-provided QA/QC indicate acceptable surrogate recoveries and non-detect results for the method blanks. Matrix Spikes (MS) and/or Matrix Spike Duplicates (MSD) for numerous samples were outside recovery criteria. However, the data were validated by the Laboratory Control Sample (LCS).

Based on this limited data review, no additional qualifications of the soil and groundwater data are necessary, and the data are of sufficient quality for the purposes of this report.

5.7 Statistical Evaluation for Lead Detected in Soil Samples

Statistical methods were applied to the total lead data to evaluate: 1) the upper confidence limits (UCLs) of the arithmetic means of the total lead concentrations for each sampling depth; and 2) if an acceptable correlation between total and soluble lead concentrations exists that would allow the prediction of soluble lead concentrations based on the calculated UCLs. The statistical methods used are discussed in *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert; in an EPA *Technology Support Center Issue* document entitled, *The Lognormal Distribution in Environmental Applications*, by Ashok Singh et. al., dated December 1997; and in *An Introduction to the Bootstrap*, by Bradley Efron and Robert J. Tibshirani.

5.7.1 Total Lead Distribution

The presence of non-detects and/or low concentrations in total lead data sets can strongly skew sample data towards low values. In these cases, the data are often log-normally distributed or non-parametric, and classical statistical methods do not work properly since they assume that the data exhibit an underlying normal distribution. Consequently, it is necessary to apply the appropriate method when determining the UCLs on the true total lead means.

5.7.2 Calculating the UCLs for the Arithmetic Mean

The upper one-sided 90% and 95% UCLs of the arithmetic mean are defined as the values that, when calculated repeatedly for randomly drawn subsets of site data, equal or exceed the true mean 90% and 95% of the time, respectively. Statistical confidence limits are the classical tool for addressing uncertainties of a distribution mean. The UCLs of the arithmetic mean concentration are used as the mean concentrations because it is not possible to know the true mean due to the essentially infinite number of soil samples that could be collected from a site. The UCLs therefore account for uncertainties due to limited sampling data. As the data increases at a site, uncertainties decrease, and the UCLs move closer to the true mean.

Non-parametric bootstrap techniques used to calculate the UCLs are discussed in the previously referenced EPA document and in *An Introduction to the Bootstrap*. For those samples in which total lead was not detected at concentrations exceeding the laboratory MRL, a value equal to one-half of the reporting limit (i.e. 2.5 mg/kg) was used in the UCL calculation. The bootstrap results are included in Appendix D. The calculated UCLs and statistical results are summarized on the following table:

Calculated 90 and 95 Percent UCLs for Total Lead

SAMPLE INTERVAL (ft)	90% TOTAL LEAD UCL (mg/kg)	95% TOTAL LEAD UCL (mg/kg)	TOTAL LEAD MEAN (mg/kg)	MINIMUM VALUE (mg/kg)	MAXIMUM VALUE (mg/kg)
0.0 to 1.0	42.8	45.8	32.3	2.5 ¹	170
1.0 to 2.0	6.1	6.4	5.2	2.5 ¹	16
2.0 to 3.0	19.8	21.7	12.2	2.5 ¹	150

¹ = For the UCL analysis, we used one-half the detection limit.

5.7.3 Correlation of Total and Soluble Lead

Total and corresponding soluble (WET) lead concentrations are bivariate data with a linear structure. This linear structure should allow for the prediction of soluble lead (WET) concentrations based on the UCLs calculated above in Section 5.7.2.

To estimate the degree of interrelation between total and corresponding soluble (WET) lead values (x and y , respectively), the *correlation coefficient* [r] is used. The correlation coefficient is a ratio that ranges from +1 to -1. A *correlation coefficient* of +1 indicates a perfect direct relationship between two variables; a *correlation coefficient* of -1 indicates that one variable changes inversely with relation to the other. Between the two extremes is a spectrum of less-than-perfect relationships, including zero, which indicates the lack of any sort of linear relationship at all. We calculated the *correlation coefficient* [r] for seven (x , y) data points (i.e., soil samples analyzed for both total lead [x] and soluble [WET] lead [y]), with a result of [r] = 0.804. A *correlation coefficient* greater than or equal to 0.8 is an acceptable indicator that a correlation exists. In order to obtain a correlation coefficient greater than 0.8, we removed two outlier data points from the regression analysis.

For the *correlation coefficient* that indicates a linear relationship between total and soluble (WET) lead concentrations, it is possible to compute the line of dependence or a best-fit line between the two variables. A least squares method was used to find the equation of a best-fit line (regression line) by forcing the y-intercept equal to zero since that is a known point. The equation of the regression line was determined to be $y = 0.0688(x)$, where x represents total lead concentrations and y represents predicted soluble lead (WET) concentrations.

This equation was used to estimate the expected WET soluble lead concentrations for the UCLs shown in Section 5.7.2. Regression analysis results and a scatter plot depicting the (x , y) data points along with the regression line are included in Appendix D. The 90% and 95% UCL-predicted WET soluble lead concentrations are summarized in Section 6.1.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 ADL-Impacted Soil Waste Classification/Disposal

Waste classifications based on the 90% UCL of the lead content for the relevant excavation depths has historically been considered sufficient to satisfy a good faith effort by the EPA, as discussed in SW-846. Risk assessment characterization is typically based on the 95% UCL of the lead content in the waste for the relevant depths; this is in accordance with the Risk Assessment Guidance for Superfund (RAGS) Volume 1 Documentation for Exposure Assessment. Per Caltrans guidelines, the 90% UCLs are to be used to evaluate onsite reuse and the 95% UCLs are to be used to evaluate offsite disposal.

The following table presents the predicted soluble (WET) lead concentrations and waste classifications for soil within the project area, based on the calculated total lead UCLs and the relationship between total and soluble (WET) lead. We summarize the 90% and 95% UCL-predicted soluble (WET) lead calculations, based on excavation scenarios to depths of 1, 2 and 3 ft.

Predicted 90 and 95 Percent UCLs for Soluble (WET) Lead

Excavation Depth	90% UCL Total Lead (mg/kg)	90% UCL Predicted WET Lead (mg/l)	95% UCL Total Lead (mg/kg)	95% UCL Predicted WET Lead (mg/l)	Waste Classification
0 to 1 ft	42.8	2.9	45.8	3.2	Non-hazardous
<i>Underlying soil (1 to 3 ft)</i>	<i>13.0</i>	<i>0.9</i>	<i>14.1</i>	<i>1.0</i>	<i>Non-hazardous</i>
0 to 2 ft	24.5	1.7	26.1	1.8	Non-hazardous
<i>Underlying soil (2 to 3 ft)</i>	<i>19.8</i>	<i>1.4</i>	<i>21.7</i>	<i>1.5</i>	<i>Non-hazardous</i>
0 to 3 ft	22.9	1.6	24.6	1.7	Non-hazardous

90% UCL applicable for waste classification and onsite reuse; 95% UCL applicable for risk assessment and offsite disposal

Based on the presented data, soil materials excavated from the surface to depths of 1, 2, or 3 ft will not be classified as a California hazardous waste, since the 90% UCL-predicted soluble (WET) lead concentrations are less than the lead STLC of 5.0 mg/l. Consequently, soil excavated from the surface to depths of 1, 2 or 3 ft can be reused or disposed as non-hazardous soil without restrictions, based on the total and/or soluble lead content.

6.2 Petroleum Hydrocarbon-impacted Soil Waste Classification/Disposal

The analytical data indicate low concentrations of TPHg and TPHd, ranging from less than 1.0 mg/kg to a maximum reported value of 140 mg/kg are present in soils along the proposed highway improvement area. Low concentrations diesel-type petroleum hydrocarbons (averaging less than 10 mg/kg) are present in shallow (less than 8 ft) soil along the majority of the project alignment. These relatively low TPHd levels are likely associated with the presence of naturally occurring organic material. Slightly higher levels of TPHg and TPHd-impacted soil is present adjacent to facilities with a history of leaking

history of leaking USTs and petroleum hydrocarbon contamination. BTEX constituents were also detected at concentrations above the MRL at these same LUST facilities, with values ranging from 9.1 to 64.8 µg/kg. VOCs were not detected above the MRL in the soil samples analyzed.

Concentrations of TPHg, TPHd, MTBE, and BTEX were compared to regulatory health risk screening criteria including the San Francisco Bay RWQCB (November 2007) promulgated Environmental Screening Levels (ESLs) for residential and commercial/industrial land use. The ESLs are used to assess whether chemicals of concern are present at concentrations that would warrant further assessment or possible remedial action. The majority of reported concentrations of TPHg, TPHd, MTBE, or BTEX do not exceed the ESLs. At borings DP4 and DP20, soils at 3 to 6 ft contained maximum TPHg and TPHd at respective concentrations of 120 to 140 mg/kg, slightly above the regulatory ESL of 100 mg/kg (residential), but less than the commercial/industrial ESL of 150 mg/kg (TPHd) and 450 mg/kg (TPHg). For comparison, we have summarized the results of soil and groundwater laboratory analysis, with the appropriate ESLs, on Table 5.

Due to the presence of identified petroleum hydrocarbon contamination beneath US-50 (Lake Tahoe Boulevard), we recommend that a soil management plan (SMP) be prepared for use during construction activities. The SMP would present contingencies for handling, transportation, and disposal of petroleum hydrocarbon-impacted soil, if encountered during roadway excavation activities.

We contacted the EDCEMD, STPUD, and the Lahontan RWQCB to discuss regulatory criteria for reuse and/or disposal of TPH-impacted soil and groundwater generated during construction. Staff from EDCEMD stated that soils with relatively low levels of TPHd impacts (i.e. less than 10 mg/kg) will likely be permissible for reuse as trench backfill. However, soils obviously impacted by petroleum hydrocarbons (such as near the "Jet-Thru" Car Wash) will require proper management and disposal at a licensed landfill facility. EDCEMD staff further indicated that they would confirm soil reuse policy with RWQCB staff, after each agency reviews a copy of this report. RWQCB staff indicated that they would evaluate reuse of petroleum hydrocarbon-impacted soil (including low levels) based on conformance with the current *Water Quality Control Plan for the Lahontan Region* (available at www.waterboards.ca.gov/lahontan/water_issues/programs/basin_plan). Based on our discussion with the Lahontan RWQCB, their staff wishes to evaluate the potential risk that reused soils may pose to existing municipal groundwater wells located proximal to the project limits. For information purposes, we have requested a copy of STPUD's map of municipal water wells. When received, we will forward a copy of the map to the Caltrans QA manager.

6.2.1 TPH Impacts to Soil at Former Service Stations

Based on the analytical data and our review of regulatory file information, we anticipate the presence of petroleum hydrocarbon-impacted soil beneath the Caltrans ROW at specific sites adjacent to US-50. TPH-impacted soil will require disposal as a designated waste.

Petroleum hydrocarbon-impacted soil is present in the subsurface from approximately station 178+00 to 180+50 (near the former "Mobil 04-EXA") and from station 205+50 to 209+00 (near the former "Al's Ski Run" Chevron and former "Jet-Thru" Car Wash). The impacted soil is generally present from approximately 3 to 8 ft beneath the surface, and generally extends from the intersection of Lake Tahoe Boulevard and Ski Run Boulevard, to the eastern project limits. Excavated soils exhibiting evidence of TPH impacts will require stockpiling and sample analysis for proper disposal evaluation.

We were unable to assess subsurface or groundwater conditions near the intersection of Fairway Avenue (adjacent to the former Bijou Shell Station). Based on file data reviewed at EDCEMD, petroleum hydrocarbon-impacted soil may be present from Station 181+50 to 183+00. During construction, we recommend these soils be observed for odors and staining, and where these indicators are present, that the soil be stockpiled and sampled for proper disposal evaluation.

6.2.2 TPH Impacts to Soil at Proposed Drainage Vaults and Traffic Signal Poles

Soils excavated along Lake Tahoe Boulevard, from the western project limits to Ski Run Boulevard (excepting the former Mobil Station area), should be suitable for reuse onsite or may be disposed offsite to an accepting facility as non-hazardous, in the absence of indicators of apparent contamination. These recommendations are applicable to the proposed trench excavations and traffic signal excavations (to depths of 12 ft), and for proposed drop inlets and drainage vault installations (to depths of 8 ft).

Photographs of the proposed traffic signal pole installation areas are presented as Photos Nos. 11 and 12. Photographs of the proposed drainage vault installation areas are presented as Photos Nos. 13 through 15.

6.3 Petroleum Hydrocarbon-impacted Groundwater Classification/Disposal

Elevated levels of petroleum hydrocarbons were detected in groundwater samples obtained from borings HA12, DP13, DP14, DP15, DP19, DP20, DP27, and DP28. Based on the laboratory data, petroleum hydrocarbon-impacted groundwater is present within the proposed construction depth of 8 ft from Station 178+00 to 180+50, and from Station 205+50 to 209+00.

Adjacent to several former LUST facilities, shallow groundwater is impacted by low to potentially significant levels of petroleum hydrocarbon at levels sufficient to require storage, treatment and disposal. Located adjacent to Lake Tahoe Boulevard and east of the intersection with Ski Run Boulevard, two LUST sites, the former "Jet-Thru" Carwash (3668 Lake Tahoe Boulevard) and "Al's Chevron Way" service station (3659 Lake Tahoe Boulevard) have impacted shallow groundwater with petroleum hydrocarbons, and the contaminant plumes appear to have migrated beneath US-50 (Station

205+50 to 209+00). Groundwater contaminants TPHg, TPHd, and MTBE have migrated northerly and northwesterly from the identified source areas. Groundwater was present at depths of 3 to 6 ft near these former gas stations (borings DP13, DP14, DP15, DP19, and DP20). Based on review of the stations' LUST files, first groundwater is present in monitoring wells at depths varying from 2 to 20 ft beneath the sites, including wells located in Caltrans ROW.

Near the former Mobil Station (3433 Lake Tahoe Boulevard), shallow groundwater impacted by low levels of petroleum hydrocarbon is also present (Station 178+00 to 180+50). West of the intersection of US-50 with Bal Bijou Road, this LUST site has impacted shallow groundwater with petroleum hydrocarbons, and the contaminant plume appears to have migrated mostly north, but also a sufficient distance to the south to impact shallow groundwater beneath US-50. Groundwater contaminants include TPHg and TPHd. Groundwater was present at depths of 3.5 to 4.6 ft near the former gas station (borings DP27 and DP28).

Petroleum hydrocarbon-impacted shallow groundwater may be present during excavation and installation of proposed sand-traps (drop-inlets) within the described stationing limits (Station 178+00 to 180+50 and Station 205+50 to 209+00).

At the proposed traffic signal installation areas, groundwater was not observed in borings advanced to a maximum depth of 12 ft. At the proposed drainage vault installation areas, groundwater was not observed in borings advanced to a maximum depth of 8 ft. We recommend that Caltrans review the proposed drainage vault and drop-inlet locations with the EDCEMD and Lahonton RWQCB. Nearby STPUD-owned municipal wells may be impacted by the infiltration of storm water (containing potential contaminants). In areas with identified groundwater contaminant plumes, construction dewatering may alter groundwater flow patterns, thereby negatively impact water quality and related remedial efforts.

The presence of dissolved petroleum hydrocarbons in groundwater may require containment, sampling and testing, pretreatment, and/or regulatory permitting prior to disposal. Depending on the quality of the dewatering water, it may: 1) be disposed to land or receiving waters with appropriate permits, 2) be discharged to a wastewater (sewer) treatment plant, or 3) require pretreatment prior to disposal. STPUD staff indicated that construction-generated dewatering water can be discharged to their wastewater treatment facility (sewer system), provided it meets the standard for contaminants set forth in its "Construction Discharge Permit," Section E.1. In general, these standards are equivalent to the maximum contaminant levels (MCLs) established for drinking water (except MTBE, the permit stipulates a 0.5 ug/l limit). The contractor must anticipate the need to store and treat dewatering water prior to discharge to the STPUD sewer system; particularly at sites with confirmed petroleum hydrocarbon impacts to groundwater. A copy of the STPUD discharge permit requirements is presented in Appendix E.

6.3.1 Summary of Subsurface Conditions and Special Handling Recommendations

In general, excess soil from trench excavations (to a depth of 8 ft) that does not exhibit visual or olfactory evidence of apparent contamination may be reused onsite, or may be disposed without restrictions, special handling, and/or retesting. However, soil excavated adjacent to sites with historical LUST conditions may be impacted by petroleum hydrocarbons, and may need to be tested prior to reuse and/or disposal. The test data indicates that petroleum hydrocarbon-impacted soil and groundwater exists in the US-50 ROW adjacent to the Mobil Station, the former "Jet-Thru" Carwash, and "Al's Chevron Way" service station. Excess soil generated during excavating adjacent to these sites (Station 178+00 to 180+50 and Station 205+50 to 209+00), may require special handling, stockpiling, and proper disposal. We recommend that the contractor observe all excavated soils for potential staining and/or odors, and check for VOC emissions (using a photo-ionization detector). Dewatering water will require storage, special permitting, and possible treatment prior to discharge to the sewage system.

We have summarized our recommended soil and groundwater handling procedures on Table 5. The table presents our recommendations to address impacted soil and/or groundwater generated from construction excavations, and the applicable project stationing adjacent to the impacted sites. The table also includes our findings and soil reuse and/or stockpiling recommendations for the proposed drainage vaults, drop inlets, and traffic signals.

6.4 Worker Protection

Since near surface and subsurface materials within the project limits may contain lead and/or petroleum hydrocarbons, we recommend that the contractor prepare a health and safety plan to minimize worker exposure. The health and safety plan (CCR Title 8) should include a discussion of the constituents of concern (lead, petroleum hydrocarbons, etc.), routes of exposure, permissible exposure limits, and personal protective measures. The health and safety plan should be reviewed and signed by on-site construction workers prior to any field activities.

7.0 REPORT LIMITATIONS

This report has been prepared exclusively for Caltrans. The information contained herein is only valid as of the date of the report and will require an update to reflect additional information.

This report is not a comprehensive site characterization and should not be construed as such. The findings as presented in this report are predicated on the results of the limited sampling and laboratory testing performed. In addition, the information obtained is not intended to address potential impacts related to contaminant sources other than those specified herein. Therefore, this report should be deemed conclusive with respect to only the information obtained. We make no warranty, express or implied, with respect to the content of this report or any subsequent reports, correspondence or consultation. We strived to perform the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.



DRAFT 3-17-08



LEGEND

SYMBOL	DESCRIPTION	APPROX. EXCAVATION DEPTH
	PEDESTRIAN POLE LIGHT	4.5 ft
	SIGNAL POLE	9 ft
	DRAINAGE PIPE	3 ft
	DRAINAGE VAULT	7 ft
	DRAINAGE INLET	7 ft

LEGEND:
HA1 Approximate Hand-Auger Boring Location



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SLT Highway 50 – Trout Creek to Ski Run 03-ED-50, PM 77.3/79.3	
South Lake Tahoe, California	SITE PLAN
GEOCON Proj. No. S9300-06-38	
Task Order No. 38	June 2008
	Figure 2-1



DRAFT



LEGEND:
HA1 ⊗ Approximate Hand-Auger Boring Location



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South Lake Tahoe, California GEOCON Proj. No. S9300-06-38	SITE PLAN	
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3-17-08

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LEGEND:
DP1 Approximate Direct-Push Boring Location



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Task Order No. 38		
	June 2008	Figure 2-3

3-17-08

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LEGEND:
DP1 Approximate Direct-Push Boring Location



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3-17-08

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LEGEND:

- DP1 Approximate Direct-Push Boring Location
- Historic Groundwater Flow Direction and Date
Oct. 2005

POTENTIAL HAZARDOUS FACILITY LOCATIONS:

- Alta Mira Building – 3351 Lake Tahoe Blvd.

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South Lake Tahoe, California		SITE PLAN
GEOCON Proj. No. S9300-06-38		
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3-17-08

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LEGEND:

- DP1 Approximate Direct-Push Boring Location
- Approximate Limits of Documented Groundwater Impacts
- Historic Groundwater Flow Direction and Date

Concentrations Detected in Groundwater (April 2008)

TPHg = < 0.05
 TPHd = 0.098
 B = < 0.5
 MTBE = < 0.5

TPHg = Total Petroleum Hydrocarbons as Gasoline (mg/l)
 TPHd = Total Petroleum Hydrocarbons as Diesel (mg/l)
 B = Benzene (ug/l)
 MTBE = Methyl tert-butyl ether (ug/l)
 mg/l = Milligrams Per Liter
 ug/l = Micrograms Per Liter

POTENTIAL HAZARDOUS FACILITY LOCATIONS:

- 2 Fox Gas Service Station – 3376 Lake Tahoe Blvd.
- 3 Former Mobil Station 04-EXA – 3433 Lake Tahoe Blvd.
- 4 Former Bijou Shell Station – 3460 Lake Tahoe Blvd.



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03-ED-50, PM 77.3/79.3

South Lake Tahoe, California

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SITE PLAN

June 2008

Figure 2-6

3-17-08

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POTENTIAL HAZARDOUS FACILITY LOCATIONS:

- 5 Former Tahoe Sands Inn / Motel 8 – 3600 Lake Tahoe Blvd.



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<p>SLT Highway 50 – Trout Creek to Ski Run 03-ED-50, PM 77.3/79.3</p>		
<p>South Lake Tahoe, California GEOCON Proj. No. S9300-06-38</p>	<p>SITE PLAN</p>	
<p>Task Order No. 38</p>	<p>June 2008</p>	<p>Figure 2-7</p>

3-17-08



- LEGEND:**
- HA1 ⊗ Approximate Hand-Auger Boring Location
 - DP1 ○ Approximate Direct-Push Boring Location
 - Approximate Limits of Documented Groundwater Impacts
 - ← Historic Groundwater Flow Direction and Date
 - June 2007

Concentrations Detected in Groundwater (April 2008)

TPHg = < 0.05
 TPHd = 0.098
 B = < 0.5
 MTBE = < 0.5

TPHg = Total Petroleum Hydrocarbons as Gasoline (mg/l)
 TPHd = Total Petroleum Hydrocarbons as Diesel (mg/l)
 B = Benzene (ug/l)
 MTBE = Methyl tert-butyl ether (ug/l)
 mg/l = Milligrams Per Liter
 ug/l = Micrograms Per Liter

- POTENTIAL HAZARDOUS FACILITY LOCATIONS:**
- 5 Former Tahoe Sands Inn / Motel 8 – 3600 Lake Tahoe Blvd.
 - 6 Al's Chevron Way (Moss Chevron) – 3651 Lake Tahoe Blvd.
 - 7 Former "Al's Ski Run" Chevron Station – 3659 Lake Tahoe Blvd.
 - 8 Former "Jet-Thru" Car Wash – 3668 Lake Tahoe Blvd.



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<p>South Lake Tahoe, California</p>	<p>SITE PLAN</p>	
<p>GEOCON Proj. No. S9300-06-38</p>	<p>Task Order No. 38</p>	<p>June 2008</p>
		<p>Figure 2-8</p>



Photo No. 1 Alta Mira Building at 3351 Lake Tahoe Blvd, West of Intersection with Takela Blvd.



Photo No. 2 Fox Gas Service Station at the Southeast Corner of Lake Tahoe Blvd. and Takela Ave.

PHOTOS NO. 1 & 2

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Photo No. 3 Former "Mobil Station 04-EXA", Northwest Corner of Lake Tahoe Blvd. and Bal Bijou Rd.



Photo No. 4 Former "Bijou Shell" Service Station at the Southwest Corner of Lake Tahoe Blvd. and Fairway Ave.

PHOTOS NO. 3 & 4

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Photo No. 5 Former "Tahoe Sands" (Motel 8) at 3600 Lake Tahoe Blvd, East of Herbert Ave.



Photo No. 6 Former Al's Chevron Way Service Station (Moss Chevron) at 3651 Lake Tahoe Blvd (Near Ski Run Blvd.)

PHOTOS NO. 5 & 6

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Photo No. 7 Former "Al's Ski Run Chevron" at Northeast Corner of Lake Tahoe Blvd. and Ski Run Blvd.



Photo No. 8 Former "Jet-Thru" Carwash (on right), Looking North Along Ski Run Blvd.

PHOTOS NO. 7 & 8

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Photo No. 9 Former "Jet-Thru" Carwash at Intersection of Lake Tahoe Blvd. and Ski Run Blvd.



Photo No. 10 Former "Jet-Thru" Carwash – 3668 Lake Tahoe Blvd.

PHOTOS NO. 9 & 10

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Photo No. 11 View of the Proposed Traffic Signal Installation at Lake Tahoe Blvd. and Takela Ave, looking East



Photo No. 12 Proposed "Traffic Signal" Improvements at Lake Tahoe Blvd. and Tallac Ave.

PHOTOS NO. 11 & 12

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Photo No. 13 Proposed "Vault" Location, Adjacent and North of Tahoe Sands/Motel 8, Lake Tahoe Blvd.



Photo No. 14 Proposed "Vault" Location Near the Alta Mira Building

PHOTOS NO. 13 & 14

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Photo No. 15 Proposed "Vault" Location on Lake Tahoe Blvd. near Lakeview Drive

PHOTO NO. 15

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GEOCON Proj. No. S9300-06-38

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June 2008

TABLE I
 SUMMARY OF SOIL BORING COORDINATES
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LONGITUDE	LATITUDE
DP1	4/21/2008	-119.968918739	38.945632114
DP2	4/21/2008	-119.968459649	38.945494650
DP3	4/21/2008	-119.968034650	38.945477629
DP4	4/21/2008	-119.968306544	38.945509073
DP5	4/21/2008	-119.959328093	38.947685829
DP6	4/21/2008	-119.959167048	38.947773931
DP7	4/22/2008	-119.958897190	38.947849662
HA8	4/22/2008	-119.958638533	38.947976412
HA9	4/22/2008	-119.958274472	38.948077144
HA10	4/22/2008	-119.957896659	38.948249058
HA11	4/22/2008	-119.957574990	38.948236581
HA12	4/22/2008	-119.957200339	38.948659521
DP13	4/22/2008	-119.956991498	38.948747117
DP14	4/22/2008	-119.956822602	38.948838343
DP15	4/22/2008	-119.956619418	38.948929256
HA16	4/22/2008	-119.957174924	38.948869006
HA17	4/22/2008	-119.957316066	38.948801040
HA18	4/22/2008	-119.957455075	38.948743103
DP19	4/22/2008	-119.956990847	38.948936999
DP20	4/22/2008	-119.957297956	38.948809523
HA21	4/22/2008	-119.957976958	38.948529229
HA22	4/22/2008	-119.958229210	38.948429035
HA23	4/22/2008	-119.958499813	38.948297236
HA24	4/22/2008	-119.959260915	38.947952708
DP25	4/23/2008	-119.958457622	38.948273027
DP26	4/23/2008	-119.959289802	38.947958162
DP27	4/23/2008	-119.965905606	38.945811218
DP28	4/23/2008	-119.966193460	38.945736418

TABLE 1
SUMMARY OF SOIL BORING COORDINATES
SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
EL DORADO COUNTY, CALIFORNIA

BORING ID	SAMPLE DATE	LONGITUDE	LATITUDE
DP29	4/23/2008	-119.968307051	38.945709494
DP30	4/23/2008	-119.968111085	38.945660488
DP31	4/23/2008	-119.969817500	38.945925194
DP32	4/23/2008	-119.970057152	38.945906321
DP33	4/23/2008	-119.970445740	38.945929426
DP34	4/23/2008	-119.975363817	38.944873780
DP35	4/23/2008	-119.975541540	38.944815994
DP36	4/23/2008	-119.977356680	38.941758032
DP37	4/23/2008	-119.977354052	38.941515042
HA38	4/24/2008	-119.977361323	38.937493749
HA39	4/24/2008	-119.977357044	38.937338974
HA40	4/24/2008	-119.977395015	38.937792851
HA41	4/24/2008	-119.977381651	38.937957370
HA42	4/24/2008	-119.977088884	38.938005115
HA43	4/24/2008	-119.977060935	38.937820072
HA44	4/24/2008	-119.977505485	38.935990327
HA45	4/24/2008	-119.977532851	38.935826812
HA46	4/24/2008	-119.977675453	38.935179423
HA47	4/24/2008	-119.977705159	38.935047567
HA48	4/24/2008	-119.977945803	38.934216122
HA49	4/24/2008	-119.977537878	38.934520480
HA50	4/24/2008	-119.977196743	38.935982344
HA51	4/24/2008	-119.977178305	38.936240379

TABLE 2
 SUMMARY OF LEAD AND SOIL pH ANALYTICAL RESULTS
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TOTAL LEAD (mg/kg)	WET SOLUBLE LEAD (mg/l)	SOIL pH
DP2-0	4/21/2008	6.4	---	---
DP2-1	4/21/2008	5.5	---	---
DP2-2	4/21/2008	<5.0	---	---
HA8-0	4/21/2008	<5.0	---	---
HA8-1	4/21/2008	<5.0	---	---
HA9-0	4/21/2008	<5.0	---	---
HA9-1	4/21/2008	<5.0	---	---
HA9-2	4/21/2008	<5.0	---	---
HA10-0	4/21/2008	<5.0	---	---
HA10-1	4/21/2008	<5.0	---	---
HA10-2	4/21/2008	<5.0	---	---
HA11-0	4/21/2008	<5.0	---	---
HA11-1	4/21/2008	<5.0	---	---
HA11-2	4/21/2008	<5.0	---	---
HA12-3	4/21/2008	<5.0	---	---
HA16-0	4/21/2008	<5.0	---	---
HA16-1	4/21/2008	12	---	---
HA16-2	4/21/2008	17	---	---
HA17-0	4/21/2008	<5.0	---	---
HA17-1	4/21/2008	<5.0	---	---
HA17-2	4/21/2008	6.1	---	---
HA18-0	4/21/2008	<5.0	---	---
HA18-1	4/21/2008	<5.0	---	---
HA18-2	4/21/2008	<5.0	---	---
HA21-0	4/21/2008	<5.0	---	---
HA21-1	4/21/2008	<5.0	---	---
HA21-2	4/21/2008	<5.0	---	---
HA22-0	4/21/2008	9.4	---	---
HA23-0	4/21/2008	<5.0	---	---
HA23-1	4/21/2008	7.1	---	---
HA24-0	4/21/2008	26	---	---
HA24-1	4/21/2008	9.3	---	---
HA24-2	4/21/2008	<5.0	---	---
DP29-0	4/23/2008	<5.0	---	---
DP29-1	4/23/2008	<5.0	---	---
DP29-2	4/23/2008	<5.0	---	---
DP30-A	4/23/2008	<5.0	---	---
DP30-B	4/23/2008	<5.0	---	---
DP30-C	4/23/2008	<5.0	---	---

TABLE 2
 SUMMARY OF LEAD AND SOIL pH ANALYTICAL RESULTS
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

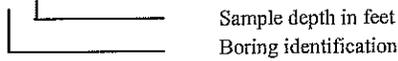
SAMPLE ID	SAMPLE DATE	TOTAL LEAD (mg/kg)	WET SOLUBLE LEAD (mg/l)	SOIL pH
DP34-0A	4/23/2008	<5.0	---	---
DP34-0B	4/23/2008	<5.0	---	---
DP34-1	4/23/2008	<5.0	---	---
DP35-0	4/23/2008	<5.0	---	---
DP35-1	4/23/2008	<5.0	---	---
DP35-2	4/23/2008	150	<0.25	8.2
DP36-0	4/23/2008	<5.0	---	---
DP36-1	4/23/2008	<5.0	---	---
DP36-2	4/23/2008	<5.0	---	---
HA38-0	4/24/2008	170	4.8	7.4
HA38-1	4/24/2008	13	---	---
HA38-2	4/24/2008	<5.0	---	---
HA39-0	4/24/2008	100	8.0	---
HA39-1	4/24/2008	16	---	---
HA39-2	4/24/2008	64	1.4	---
HA40-0	4/24/2008	73	7.1	---
HA40-1	4/24/2008	<5.0	---	---
HA40-2	4/24/2008	<5.0	---	---
HA41-0	4/24/2008	150	9.8	7.1
HA41-1	4/24/2008	5.4	---	---
HA41-2	4/24/2008	<5.0	---	---
HA42-0	4/24/2008	22	---	---
HA42-1	4/24/2008	9.3	---	---
HA42-2	4/24/2008	<5.0	---	---
HA43-0	4/24/2008	12	---	---
HA43-1	4/24/2008	6.0	---	---
HA43-2	4/24/2008	<5.0	---	---
HA44-0	4/24/2008	70	3.8	---
HA44-1	4/24/2008	6.7	---	---
HA44-2	4/24/2008	11	---	---
HA45-0	4/24/2008	97	6.9	6.8
HA45-1	4/24/2008	7.3	---	---
HA45-2	4/24/2008	30	---	---
HA46-0	4/24/2008	40	---	---
HA46-1	4/24/2008	<5.0	---	---
HA46-2	4/24/2008	<5.0	---	---
HA47-0	4/24/2008	32	---	---
HA47-1	4/24/2008	<5.0	---	---
HA47-2	4/24/2008	<5.0	---	---

TABLE 2
 SUMMARY OF LEAD AND SOIL pH ANALYTICAL RESULTS
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TOTAL LEAD (mg/kg)	WET SOLUBLE LEAD (mg/l)	SOIL pH
HA48-0	4/24/2008	35	---	---
HA48-1	4/24/2008	7.5	---	---
HA48-2	4/24/2008	<5.0	---	---
HA49-0	4/24/2008	41	---	---
HA49-1	4/24/2008	<5.0	---	---
HA49-2	4/24/2008	<5.0	---	---
HA50-0	4/24/2008	<5.0	---	---
HA50-1	4/24/2008	<5.0	---	---
HA50-2	4/24/2008	<5.0	---	---
HA51-0	4/24/2008	51	4.6	7.3
HA51-1	4/24/2008	<5.0	---	---
HA51-2	4/24/2008	<5.0	---	---

Notes:

DP1-3



mg/kg = Milligrams per kilogram

mg/l = Milligrams per liter

< = Less than the laboratory test method reporting limits

--- = Not analyzed

WET = Waste Extraction Test analyzed by EPA Method 7420

TABLE 3
 SUMMARY OF SOIL ANALYTICAL RESULTS - TPHg, TPHd, VOCs, MTBE, and BTEX
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPHg (mg/kg)	TPHd (mg/kg)	VOCs (µg/kg)	MTBE (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)
DP1-3	4/21/2008	<1.0	2.6	ND	<5.0	<5.0	<5.0	<5.0	<10
DP1-5	4/21/2008	<1.0	2.5	ND	<5.0	<5.0	<5.0	<5.0	<10
DP1-10	4/21/2008	<1.0	2.7	ND	<5.0	<5.0	<5.0	<5.0	<10
DP2-3	4/21/2008	<1.0	1.6	ND	<5.0	<5.0	<5.0	<5.0	<10
DP2-6	4/21/2008	<1.0	1.3	ND	<5.0	<5.0	<5.0	<5.0	<10
DP2-10	4/21/2008	<1.0	1.2	ND	<5.0	<5.0	<5.0	<5.0	<10
DP3-3	4/21/2008	<1.0	1.4	---	<5.0	<5.0	<5.0	<5.0	<10
DP3-6	4/21/2008	<1.0	1.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP4-3	4/21/2008	<1.0	120	---	<5.0	<5.0	<5.0	<5.0	<10
DP4-6	4/21/2008	<1.0	1.8	ND	---	<5.0	<5.0	<5.0	<10
DP5-3	4/21/2008	<1.0	6.8	---	---	<5.0	<5.0	<5.0	<10
DP5-6	4/21/2008	<1.0	1.5	---	---	<5.0	<5.0	<5.0	<10
DP6-3	4/21/2008	<1.0	1.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP6-6	4/21/2008	<1.0	1.8	---	<5.0	<5.0	<5.0	<5.0	<10
DP7-3	4/22/2008	<1.0	1.9	---	<5.0	<5.0	<5.0	<5.0	<10
DP7-6	4/22/2008	<1.0	2.7	---	<5.0	<5.0	<5.0	<5.0	<10
HA12-6	4/22/2008	<1.0	2.1	---	<5.0	<5.0	<5.0	<5.0	<10
DP13-3	4/22/2008	<1.0	1.0	---	<5.0	<5.0	<5.0	<5.0	<10
DP13-4	4/22/2008	<1.0	3.6	---	<5.0	<5.0	<5.0	<5.0	<10
DP13-6	4/22/2008	<1.0	3.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP14-3	4/22/2008	6.4	1.5	---	<5.0	32	<5.0	<5.0	64.8
DP14-4	4/22/2008	1.3	5.4	---	<5.0	<5.0	<5.0	<5.0	<10
DP14-6	4/22/2008	<1.0	8.1	---	<5.0	<5.0	<5.0	<5.0	<10
DP15-3	4/22/2008	1.7	7.9	---	<5.0	<5.0	<5.0	<5.0	<10
DP15-4	4/22/2008	1.6	6.9	---	<5.0	<5.0	<5.0	9.6	13
DP15-6	4/22/2008	1.1	2.3	---	<5.0	<5.0	<5.0	39	38
DP19-3	4/22/2008	<1.0	1.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP19-6	4/22/2008	<1.0	1.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP20-3	4/22/2008	<1.0	1.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP20-5	4/22/2008	4.4	11	---	<5.0	<5.0	<5.0	9.1	24.9
DP20-6	4/22/2008	140.0	23	---	<5.0	<5.0	<5.0	<5.0	<10
DP25-3	4/23/2008	<1.0	7.0	ND	<5.0	<5.0	<5.0	<5.0	<10
DP25-6	4/23/2008	<1.0	5.0	ND	<5.0	<5.0	<5.0	<5.0	<10
DP26-3	4/23/2008	<1.0	1.9	ND	<5.0	<5.0	<5.0	<5.0	<10
DP26-6	4/23/2008	<1.0	22	ND	<5.0	<5.0	<5.0	<5.0	<10
DP27-3	4/23/2008	<1.0	4.6	---	<5.0	<5.0	<5.0	<5.0	<10
DP27-6	4/23/2008	<1.0	2.4	---	<5.0	<5.0	<5.0	<5.0	<10
DP28-3	4/23/2008	<1.0	1.9	---	<5.0	<5.0	<5.0	<5.0	<10
DP28-6	4/23/2008	<1.0	1.2	---	<5.0	<5.0	<5.0	<5.0	<10

TABLE 3
 SUMMARY OF SOIL ANALYTICAL RESULTS - TPHg, TPHd, VOCs, MTBE, and BTEX
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPHg (mg/kg)	TPHd (mg/kg)	VOCs (µg/kg)	MTBE (µg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)
DP29-3	4/23/2008	<1.0	5.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP29-6	4/23/2008	<1.0	2.9	---	<5.0	<5.0	<5.0	<5.0	<10
DP30-3	4/23/2008	<1.0	6.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP30-6	4/23/2008	<1.0	2.2	---	<5.0	<5.0	<5.0	<5.0	<10
DP31-3	4/23/2008	<1.0	1.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP31-6	4/23/2008	<1.0	6.6	---	<5.0	<5.0	<5.0	<5.0	<10
DP32-3	4/23/2008	<1.0	7.9	---	<5.0	<5.0	<5.0	<5.0	<10
DP32-6	4/23/2008	<1.0	5.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP33-3	4/23/2008	<1.0	2.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP33-6	4/23/2008	<1.0	4.1	---	<5.0	<5.0	<5.0	<5.0	<10
DP34-3	4/23/2008	<1.0	14	---	<5.0	<5.0	<5.0	<5.0	<10
DP34-6	4/23/2008	<1.0	2.8	---	<5.0	<5.0	<5.0	<5.0	<10
DP35-3	4/23/2008	<1.0	2.7	---	<5.0	<5.0	<5.0	<5.0	<10
DP35-6	4/23/2008	<1.0	5.1	---	<5.0	<5.0	<5.0	<5.0	<10
DP36-3	4/23/2008	<1.0	2.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP36-4	4/23/2008	---	---	ND	---	---	---	---	---
DP36-6	4/23/2008	<1.0	3.1	---	<5.0	<5.0	<5.0	<5.0	<10
DP36-8	4/23/2008	---	---	ND	---	---	---	---	---
DP36-10	4/23/2008	<1.0	4.8	---	<5.0	<5.0	<5.0	<5.0	<10
DP36-12	4/23/2008	---	---	ND	---	---	---	---	---
DP37-3	4/23/2008	<1.0	8.5	---	<5.0	<5.0	<5.0	<5.0	<10
DP37-4	4/23/2008	---	---	ND	---	---	---	---	---
DP37-6	4/23/2008	<1.0	5.8	---	<5.0	<5.0	<5.0	<5.0	<10
DP37-8	4/23/2008	---	---	ND	---	---	---	---	---
DP37-10	4/23/2008	<1.0	4.3	---	<5.0	<5.0	<5.0	<5.0	<10
DP37-12	4/23/2008	---	---	ND	---	---	---	---	---

Notes:

- TPHg = Total petroleum hydrocarbons as gasoline
- TPHd = Total petroleum hydrocarbons as diesel
- VOCs = Volatile organic compounds
- BTEX = Benzene, toluene, ethylbenzene, total xylenes
- mg/kg = Milligrams per kilogram
- µg/kg = Micrograms per kilogram
- <= Less than the laboratory method reporting limits
- ND = Not detected above the laboratory method reporting limits
- = Not analyzed

TABLE 4
 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - TPHg, TPHd, MTBE, and BTEX
 SOUTH LAKE TAHOE US-50 PROJECT, PM 77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

SAMPLE ID	SAMPLE DATE	TPHg mg/l	TPHd mg/l	MTBE (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)
HA12	4/22/2008	<0.050	0.41	<0.50	<0.50	<0.50	<0.50	<1.0
DP13	4/22/2008	0.088	0.79	7.7	<0.50	<0.50	<0.50	0.96
DP14	4/22/2008	14	5.4	590	320	53	740	504.9
DP15	4/22/2008	5.3	1.0	190	71	4.7	460	422.4
DP19	4/22/2008	<0.050	0.32	25	<0.50	<0.50	<0.50	<1.0
DP20	4/22/2008	8.4	1.3	<0.50	<0.50	220	<0.50	130
DP27	4/23/2008	0.072	0.44	<0.50	<0.50	<0.50	3.3	11.0
DP28	4/23/2008	<0.050	0.098	<0.50	<0.50	1.0	<0.50	<1.0

Notes:

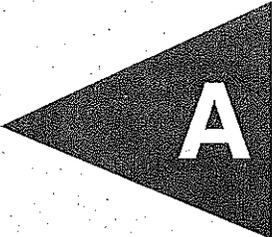
TPHg = Total petroleum hydrocarbons as gasoline
 TPHd = Total petroleum hydrocarbons as diesel
 MTBE = Methyl tert-butyl ether
 mg/l = Milligrams per liter
 µg/l = Micrograms per liter
 < = Less than the laboratory method reporting limits

TABLE 5
 SUMMARY OF SUBSURFACE CONDITIONS AND SPECIAL HANDLING RECOMMENDATIONS
 SOUTH LAKE TAHOE US-50 PROJECT, PM77.3/79.3
 EL DORADO COUNTY, CALIFORNIA

Parcel of Concern / Proposed Improvement	Historical Impacts	Results of Current Investigation	Commercial ESLs for Petroleum Hydrocarbons in Soil	Commercial ESLs for Petroleum Hydrocarbons in Groundwater	Recommendations	Stationing
Alta Mira Building (3351 Lake Tahoe Blvd.)	Diesel to soil and groundwater	Soil: TPHd 1.3 to 7.9 mg/kg GW: not encountered to 8 ft	TPHg: 450 mg/kg TPHd: 150 mg/kg TPHmo: 2,500 mg/kg MTBE: 8.4 mg/kg Benzene: 0.26 mg/kg Toluene: 29.0 mg/kg Ethyl-benzene: 33.0 mg/kg Xylenes: 100 mg/kg	TPHg: 5.0 mg/l TPHd: 2.5 mg/l TPHmo: 2.5 mg/l MTBE: 1,800 µg/l Benzene: 540 µg/l Toluene: 400 µg/l Ethyl-benzene: 300 µg/l Xylenes: 5,300 µg/l	Reuse or dispose of excavated soil as needed (non-hazardous)	166+00 to 168+50
Fox Gas Service Station (3396 Lake Tahoe Blvd.)	Gasoline, diesel and MTBE to groundwater	Soil: TPHd 1.2 to 120 mg/kg GW: not encountered to 12 ft			Observe excavated soils for odors and discoloration (non-hazardous)	170+00 to 174+00
Former Mobile Station 04-EXA (3433 Lake Tahoe Blvd.)	Gasoline to groundwater	Soil: TPHd 1.2 to 4.6 mg/kg GW: TPHg 0.072 mg/l TPHd 0.098 to 0.44 mg/l			Stockpile and retest soil for disposal (potentially hazardous); dewatering water requires special handling	178+00 to 180+50
Former Bijou Shell Station (3460 Lake Tahoe Blvd.)	Gasoline to groundwater	Soil and groundwater samples not obtained			Observe soil for odors and staining; stockpile and test (potentially hazardous); if present, test dewatering water	181+50 to 183+00
Former Tahoe Sands Inn/Motel 8 (3600 Lake Tahoe Blvd.)	Gasoline and motor oil to soil	Soil: TPHd 1.5 to 6.8 mg/kg GW: not encountered to 8 ft			Observe excavated soil for odors and discoloration (non-hazardous)	198+00 to 201+00
Moss Chevron (Al's Chevron Way), 3651 Lake Tahoe Blvd.)	Gasoline to groundwater	Soil: TPHd 5.0 to 7.0 mg/kg GW: not encountered to 8 ft			Observe excavated soil for odors and discoloration (non-hazardous)	202+00 to 204+00
Al's Ski Run (3659 Lake Tahoe Blvd.)	Gasoline, diesel and MTBE to groundwater	Soil: TPHg <1.0 to 140 mg/kg, TPHd 1.3 to 23.0 mg/kg, Ethyl-benzene 9.1 µg/kg, Xylenes 24.9 µg/kg GW: TPHg <0.05 to 8.4 mg/l, TPHd 0.32 to 1.3 mg/l MTBE 25 µg/l, Toluene 220 µg/l, Xylenes 130 µg/l			Stockpile and retest soil for disposal (potentially hazardous); dewatering water requires special handling	205+50 to 209+00
Former Jet Thru Car Wash (3668 Lake Tahoe Blvd.)	Gasoline and MTBE to soil and groundwater	Soil: TPHg <1.0 to 6.4 mg/kg, TPHd 1.0 to 8.1 mg/kg, Benzene 32 µg/kg, Ethyl-benzene <5.0 to 39 µg/kg, Xylenes <10.0 to 64.8 µg/kg GW: TPHg <0.05 to 14 mg/l, TPHd 0.41 to 5.4 mg/l, MTBE <0.5 to 590 µg/l, BTEX, <0.5 to 740 µg/l			Stockpile and retest soil for disposal (potentially hazardous); dewatering water requires special handling	205+50 to 209+00
Drainage Vaults	N/A	Soil: TPHd 1.5 to 22.0 mg/kg GW: not encountered to 8 ft			Observe excavated soil for odors and discoloration (non-hazardous)	511+00 to 152+50, 166+50 to 167+00, and 199+50 to 200+50
Traffic Signals	N/A	Soil: TPHd 1.2 to 8.5 mg/kg GW: not encountered to 12 ft			Observe excavated soil for odors and discoloration (non-hazardous)	137+75 to 139+25 and 171+00 to 172+25
Drop inlets (sand traps)	N/A	See applicable description above (per stationing)	No special handing of soil required (non-hazardous), except where improvement is located in the described stationing for impacted sites (see above)	See station descriptions above		

Notes: TPHg = Total petroleum hydrocarbons as gasoline mg/kg = Milligrams per kilogram
 TPHd = Total petroleum hydrocarbons as diesel mg/l = Milligrams per liter
 TPHmo = Total petroleum hydrocarbons as motor oil < = Less than the laboratory method reporting limits
 MTBE = Methyl tert-butyl ether BTEX = Benzene, toluene, ethyl-benzene, total Xylenes
 N/A = Not applicable GW = Groundwater
 ESL = Environmental Screening Levels (San Francisco Bay Regional Water Quality Control Board – November 2007)

APPENDIX



A

**EL DORADO COUNTY
ENVIRONMENTAL MANAGEMENT DEPARTMENT**

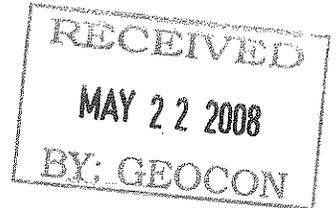
SOLID WASTE & HAZARDOUS MATERIALS DIVISION

PLACERVILLE OFFICE:

2850 FAIR LANE COURT, BUILDING C
PLACERVILLE, CA 95667
(530) 621-5300

SOUTH LAKE TAHOE OFFICE:

3368 LAKE TAHOE BLVD., SUITE 303
SOUTH LAKE TAHOE, CA 96150
(530) 573-3450



PERMIT GRANTED TO:

GEOCON CONSULTANTS, INC.
3160 GOLD VALLEY DR., RANCHO CORDOVA, CA 95742
(CAL TRANS)
(US HWY 50 TROUT CREEK TO SKI RUN BLVD.)

FOR

COMPLETION OF SOIL BORINGS
ADL and Petroleum Hydrocarbon Site Investigation
Hwy 50 Right of Way Trout Creek to Ski Run Blvd.
South Lake Tahoe, CA

PROPERTY OWNER:

Cal Trans ROW
P.O. Box 911
Marysville, CA 95901

CONTRACTOR:

Geocon Consultants Inc.
3160 Gold Valley Dr.
Rancho Cordova, CA 95742

C57# 716050

TOTAL FEES DUE: \$375.00

TOTAL FEES PAID: \$375.00

RECEIPT # AB0136360

**Any person, owner of real property or authorized agent shall immediately report, upon discovery or receipt of notification, any release or threatened release of a hazardous material to the El Dorado County Environmental Management Department.
A complete written report shall be submitted to this agency within five (5) working days of discovery or receiving knowledge of a release.
Contaminated soil may not be placed back into**

THIS PERMIT EXPIRES 4/17/09

PERMIT ISSUED 4/17/08

A handwritten signature in cursive script that reads "Virginia Huber".

Virginia Huber, REHS
Tahoe Division Manager

**** CONTACT THIS AGENCY FOR INSPECTION**
WITH A 48 HOUR ADVANCE NOTIFICATION**



California Regional Water Quality Control Board

Lahontan Region



Linda S. Adams
Secretary for
Environmental Protection

2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150
(530) 542-5400 • Fax (530) 544-2271
www.waterboards.ca.gov/lahontan

Arnold Schwarzenegger
Governor

APR 15 2008

Date: _____

Discharger/Owner:

Caltrans District 3
703 B St P.O. Box 911
Marysville, CA – 95901

attn: Anand Maganti

VARIANCE TO THE OCTOBER 15, 2007 SOIL DISTURBANCE PROHIBITION DATE

Staff of the California Regional Water Quality Control Board, Lahontan Region (Water Board) reviewed your request to continue earth-disturbing activities on your project after October 15, 2007. Your project is regulated under:

- Board Order No. 6-91-31, General Waste Discharge Requirements for Construction of Small Commercial, Multi-Family Residential Utility and Public Works Projects Lake Tahoe Basin, WDID No.: _____ Project: _____
- Board Order No. R6T-2005-0007, Updated Waste Discharge Requirements and National Pollutant Discharge Elimination System General Permit No. CAG616002 for Discharge of Storm Water Runoff Associated with Construction Activity Involving Land Disturbance in the Lake Tahoe Hydrologic Unit, WDID No.: _____ Project: _____
- Board Order No. R6T-2005-0026, Updated Waste Discharge Requirements and National Pollutant Discharge Elimination System Permit for Storm Water/Urban Runoff Discharges from El Dorado County, Placer County, and the City of South Lake Tahoe, WDID No.: _____ Project: _____
- National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction Activity (General Permit) Water Quality Order 99-08-DWQ (Excluding the Lake Tahoe Hydrologic Unit) WDID No.: _____ Project: _____
- Board Order No. R6T-2003-0004, General Waste Discharge Requirements for Small Construction Projects, including Utility, Public Works, and Minor Streambed/ Lakebed Alteration Projects in the Lahontan Region Excluding the Lake Tahoe Hydrologic Unit WDID No.: _____ Project: _____
- National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges From the State of California, Department of Transportation Properties, Facilities, and Activities (Caltrans General Permit), Water Quality Order 99-06-DWQ, WDID No.: None, Project: Hwy 50 Trout Creek to Soil Test Borings.

California Environmental Protection Agency



Recycled Paper

These Waste Discharge Requirements or Water Board directives prohibit the removal of vegetation and/or soil disturbance between October 15 and May 1.

A variance to the October 15, 2007 soil disturbance prohibition is hereby granted for the earth-disturbing activities described in your variance request received April 15, 2008 (attached), **except** for the following:

**WORK THAT IS NOT PERMITTED BEYOND THE OCTOBER 15
SOIL DISTURBANCE PROHIBITION DATE**

This variance allows soil-disturbing activities to be conducted from April 18 through May 1, 2008, if conducted in accordance with the request (attached). All project areas must be permanently stabilized or winterized between each active grading event. "Winterized" means stabilized to prevent soil movement permanently or temporarily in a manner that will remain effective until May 1, 2008.

Additional conditions of this variance include:

We look forward to working with you in your efforts to protect water quality. If you have any questions, please contact me at (530)-542-5463.

Bud Amorfini, Environmental Scientist

Attachment: Variance letter signed by Harold J. Singer

cc: TRPA / Environmental Review Services

T:/OctVariancestafform2007.doc



California Regional Water Quality Control Board
Lahontan Region



Linda S. Adams
Secretary for
Environmental Protection

2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150
(530) 542-5400 • Fax (530) 544-2271
www.waterboards.ca.gov/lahontan

Arnold Schwarzenegger
Governor

VARIANCE TO THE OCTOBER 15, 2007 SOIL DISTURBANCE PROHIBITION DATE

The California Regional Water Quality Control Board, Lahontan Region (Water Board) staff reviewed your request to continue earth-disturbing activities on your project after October 15, 2007. Based on the information contained in your submittal, Water Board staff has determined that granting a variance to the October 15, 2007 soil disturbance prohibition would not cause or contribute to the degradation of water quality.

I hereby grant a variance to the October 15, 2007 soil disturbance prohibition. This variance allows soil-disturbing activities described in the enclosure. This variance is granted provided you comply with all other provisions of the applicable waste discharge requirements for your activity and the additional conditions listed below.

- a. When adverse weather conditions are predicted by the National Weather Service, and prior to the onset of the adverse conditions, every reasonable measure shall be taken to complete winterizing all project areas. "Adverse" conditions refer to conditions that may threaten the ability to control erosion and siltation from the project, or may result in temporarily or permanently stopping work on the project due to a snowfall or rainstorm. Reasonable measures include, but are not limited to, scheduling activity such that work only occurs on those areas that can be quickly stabilized by available crews.
- b. No multiple-day excavation activity (those activities where an excavation will be left exposed until the following day) shall be conducted when a forecast of precipitation is predicted during the period of excavation and stabilization.
- c. Designated personnel shall inspect active areas and temporary control measures within 24 hours of any expected storm events during, and immediately after each storm event. Written documentation of each inspection shall be kept at your office. Any necessary corrective actions shall be implemented within 24 hours of identifying the need for corrective action or before the next storm event, whichever comes first.
- d. At a minimum, all control measures identified in the Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP) or Best Management Practices (BMP) Plan for the project will be implemented, monitored, and maintained throughout the activities.
- e. This letter authorizes no other soil-disturbing activity.
- f. All other project areas where soil was disturbed prior to October 15, 2007, must be winterized or permanently stabilized.

This variance is only valid if attached to a cover letter signed by Water Board staff.

HAROLD J. SINGER
EXECUTIVE OFFICER

California Environmental Protection Agency

REQUEST FORM
for
VARIANCE TO THE OCTOBER 15
SOIL DISTURBANCE PROHIBITION DATE

California Regional Water Quality Control Board, Lahontan Region

South Lake Tahoe Office: 2501 Lake Tahoe Boulevard, South Lake Tahoe, CA 96150
Victorville Office: 15428 Civic Dr., Suite 100, Victorville, CA 92392

Please type or print clearly in ink

1. APPLICANT/AGENT INFORMATION

Discharger/Owner: CALTRANS	Agent: ANAND MAGANTI
Address: 703 Bst P.O. Box 911 Marysville, CA - 95901	Address: 703 Bst P.O. Box 911 Marysville, CA - 95901
Phone No.	Phone No. 530 741 4158
Fax No.	Fax No. 530 741 4457
E-mail Address:	E-mail Address: anand.maganti@dot.ca.gov

2. PROJECT INFORMATION

Project Name 03-43601, EIP project, South Lake Tahoe	
Project Location EDD PM 77.3 to 79.4 Thout Creek - Skirum Blvd	
Board Order	
Project WDID Number	

3. DURATION OF EXTENSION REQUESTED

10 days

4. REASON FOR THE NEEDED EXTENSION

Soil & ground water sampling to determine levels of locally deposited lead and/or hydrocarbons.
--

Variance Request Form

5. SCHEDULE OF THE PROPOSED WORK THAT WOULD EXTEND BEYOND THE OCTOBER 15 SOIL DISTURBANCE PROHIBITION DATE

Remaining work	Anticipated date of completion of each remaining task:
(1) Soil Sampling	May 1, 2008
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	

6. HOW WILL WATER QUALITY BE PROTECTED WHILE THE PROPOSED WORK (Item #5 above) IS COMPLETED? (If necessary, attach additional sheets or amendments to the Storm Water Pollution Prevention Plan)

There will be approximately 54 borings with a 3" diameter probe. A direct push drillers will be used, as a result only sampling soil will come out from plastic tube that was placed inside the probe. Cement or bentonite slurry will be poured after sampling & put asphalt cap to match current conditions. No soil will be anticipated around drilling, if there is any it will be swept. No heavy equipment used.

Variance Request Form

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. I certify that my project site will be fully winterized in accordance with waste discharge requirements by October 15, 2006. "Winterized" means stabilized to prevent soil movement permanently or temporarily in a manner that will remain effective until May 1, 2007. Based on my inquiry of the person or persons who manage the site or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.

ANAND MAGANTI

Owner/Discharger Name (Print)

M. Anand

Owner/Discharger Signature

04/15/2008

Date

If you have questions regarding the October 15 Soil Disturbance Prohibition or how to request a variance, call the Water Board at (530) 542-5400.

T:/VarianceAppForm06.doc

DEPARTMENT OF TRANSPORTATION

DISTRICT 3
703 B STREET
F. O. BOX 911
MARYSVILLE, CA 95901-0911
PHONE (916) 274-5916
FAX (916) 263-5730



*Flex your power!
Be energy efficient!*

April 17, 2008

Gary Weigel
Tahoe Regional Planning Agency
P.O. Box 5310
Stateline, NV 89449

Dear Gary:

This documentation shall serve as formal notification to the Tahoe Regional Planning Agency (TRPA) from the California Department of Transportation (Department) for a proposed lane closure, per the attached Traffic Control Plan, on SR 50 in the City of South Lake Tahoe. The closure is required to perform hazardous waste investigations for Aerially Deposited Lead in soil and Petroleum Hydrocarbons in ground water. These investigations will disturb less than 3-cubic yards of soil and are therefore exempt activities. Data gathered from these investigations ensures that the appropriate measures are employed for the protection of the community and workers during construction activities for EIP Projects 794,809, and 994.

While the appropriate contracts are being finalized, the tentative dates for the work are: 1) April 21-25, 2008, May 12-16, 2008, or May 19-23, 2008, with emphasis being on performing the work on April 21-25, 2008.

All work shall be within the existing State Right-of-Way limits, and the project will not result in the creation or relocation of, additional land coverage.

This project meets the criteria of a Qualified Exempt Activity, as defined in Section III. of the Memorandum of Understanding Between Tahoe Regional Planning Agency and California Department of Transportation, dated July 6, 1990.

Should you have questions regarding this activity, please feel free to call me at (916) 274-5916.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Gaytan".

STEVEN C. GAYTAN
TRPA Coordinator

QUALIFIED EXEMPT DECLARATION RECEIVED
DATE 4/17/08 BY: Gary Weigel

APR 17 2008

April 17, 2008

Page 2 of 2

Enclosure

C:

K. Lee/Caltrans/D03

M. Bartlett/Caltrans/D03

M. Serrano/Caltrans/D03

D. Coleman/Caltrans/D03

J. Brown/Caltrans/D03

T. Tabshouri/Caltrans/D03

C. Carlton/Caltrans/D03

A. Beyer/Caltrans/HQ

Paul Nielsen/TRPA

Charles Emmett/TRPA

File

QUALIFIED EXEMPT ACTIVITY DECLARATION

OWNER(S) OF RECORD:

Name(s): Caltrans, represented by Steve Gaytan _____ Phone: (916) 274-5916 _____

Mailing Address: 2800 Gateway Oaks Drive _____

City: Sacramento _____ State: CA _____ Zip Code: 95833 _____

PERSON AUTHORIZED TO REPRESENT THE ACTIVITY:

Name(s): Steve Gaytan _____ Phone: (916) 274-5916 _____

Mailing Address: 2800 Gateway Oaks Drive _____

City: Sacramento _____ State: CA _____ Zip Code: 95833 _____

LOCATION OF ACTIVITY:

Assessor's Parcel Number (APN): Caltrans R/W _____ County: El Dorado _____

Street Address: Bigler Ave. to Ski Run Blvd. on ED 50 _____

DETAILED DESCRIPTION OF ACTIVITY (Be Clear, Detailed, and Specific):

Caltrans requests a lane closure for ED 50 PM per the attached Traffic Management Plan for conducting hazardous waste studies in support of EIP Projects 794, 809, and 994. The hazardous waste investigations will determine Aerially Deposited Lead in soil and Petroleum Hydrocarbons in ground water. These investigations will disturb less than 3-cubic yards of soil and are therefore exempt activities. Data gathered from these investigations ensures that the appropriate measures are employed for the protection of the community and workers during construction activities. While the appropriate contracts are being finalized, the tentative dates for the work are: 1) April 21-25, 2008, May 12-16, 2008, or May 19-23, 2008, with emphasis being on performing the work on April 21-25, 2008. All work shall be within the existing State Right-of-Way limits, and the project will not result in the creation or relocation of, additional land coverage.

PRIOR APPROVALS (List any prior CTRPA/TRPA approvals/permits received for the subject property):

Permit: _____ Approval Date: _____ Expiration Date: _____

Permit: _____ Approval Date: _____ Expiration Date: _____

LOCAL JURISDICTION REQUIREMENTS: Please be advised that your activity may require approval from local agencies (i.e., Building Department) – *make sure to obtain appropriate local approvals prior to beginning work.*

If your activity involves construction in the shorezone, the following agencies should be contacted:

<u>In California:</u>	California State Lands Commission	<u>In Nevada:</u>	Nevada Division of State Lands
	California Fish and Game		U.S. Army Corps of Engineers
	U.S. Army Corps of Engineers		

AUTHORIZATION FOR REPRESENTATION:

The following person(s) own the subject property (APN Caltrans R/W) or have a sufficient interest therein to make application to TRPA:

Print Owner(s) Name(s):

Caltrans, represented by Steve Gaytan _____

I/We authorize
Steve Gaytan

to act as my/our representative in connection with this application to TRPA for the subject property and agree to be bound by said representative. I understand that additional information may be required by TRPA, beyond that submitted by my representative, to review this activity. Any cancellation of this authorization shall not be effective until receipt of written notification of same by TRPA. I also understand that should any information or representation submitted in connection with this application be incorrect or untrue, TRPA may rescind any approval or take other appropriate action. I further accept that if this activity is approved, I, as the permittee, will be held responsible for any and all permit conditions.

Owner(s) signature(s): **(Original signature required.)**

[Signature] Date 4/17/08

Date _____

I hereby declare under penalty of perjury that this application and all information submitted as part of this application is true and accurate, to the best of my knowledge. I have been authorized in writing by the owner(s) of the subject property to represent this application, and understand that should any information or representation submitted in connection with this application be incorrect or untrue, TRPA may rescind any approval or take other appropriate action. I further understand that additional information may be required by TRPA to review this activity.

Signature: **(Original signature required.)**

[Signature] at Sacramento on 4/17/08

Person preparing application County Date

FOR OFFICE USE ONLY

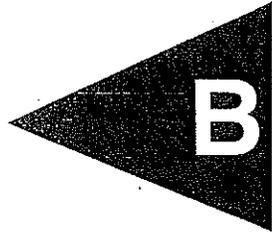
QE/E 2008-0117

APN: 520-201-00 County: EL DORADO
Applicant: CALTRANS Date Received: 4/17/2008
QE Code: 3 Received By: [Signature]
Excess Coverage Mitigation Fee: [Signature] BMP Retrofit: _____
Excess Coverage Mitigated: _____

- QE1: Residential
- QE2: Commercial
- QE3: Public Service
- QE4: Tourist Accommodation
- QE5: Recreation
- QE6: Resource Management
- QE7: Shorezone

Filing Fee: \$ [Signature] Receipt No. _____

APPENDIX



PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP1</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/21/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
				SOIL DESCRIPTION			
1			6-inches of asphalt-concrete over 6-inches baserock				
2			ALLUVIUM Very dense, damp, light grey, SAND				
3		DP1-3					0.1
4			Very dense, orange to light grey, decomposed GRANITE, moist, micaeous				
5		DP1-6					0.1
6							
7							
8			Very dense, light grey to grey-brown, decomposed GRANITE, coarse grained, moist, micaeous				
9							
10		DP1-10					0.0
11							
12			BORING TERMINATED AT 12 FEET NO FREE GROUNDWATER ENCOUNTERED				
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 1, Log of Boring DP1, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP2			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)	
				DATE DRILLED <u>4/21/2008</u>	WATER LEVEL (ATD)					
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>						
SOIL DESCRIPTION										
1				ALLUVIUM Dense, orange-brown, SAND, moist, coarse-grained, some silt						
2										
3		DP2-3								
4										
5										
6		DP2-6		Very dense, grey, SAND, moist, coarse grained					0.4	
7										
8										
9										
10		DP2-10								
11									0.1	
12										
BORING TERMINATED AT 12 FEET NO FREE GROUNDWATER ENCOUNTERED										
13										
14										

Figure 2, Log of Boring DP2, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP3</u>			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED <u>4/21/2008</u>	WATER LEVEL (ATD)	EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION									
1			ALLUVIUM Dense, dry, orange-brown, SAND, coarse-grained, micaceous						
2									
3		DP3-3	Dense, moist, orange-brown, SAND, coarse-grained, micaceous				0.0		
4									
5									
6		DP3-6					0.0		
7									
8			BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED						
9									
10									
11									
12									
13									
14									

Figure 3, Log of Boring DP3, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP4			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED 4/21/2008	WATER LEVEL (ATD)				
				EQUIPMENT GEOPROBE DRILLER GEOCON					
				SOIL DESCRIPTION					
1				ALLUVIUM Dense, moist, dark grey-brown, gravelly SAND and sandy GRAVEL, fine to coarse-grained, micaceous					
2									
3		DP4-3							
4									
5				Very dense, moist, orange-brown, SAND, fine to coarse-grained					
6		DP4-6							
7									
8			BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED						
9									
10									
11									
12									
13									
14									

Figure 4, Log of Boring DP4, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP5		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/21/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1			[Lithology Diagram]	ALLUVIUM Loose to medium dense, grey-green, silty SAND, very moist, organic odor			0.0
2							
3		DP5-3					
4			[Lithology Diagram]	Loose, grey-green, silty fine SAND, very moist to wet, strong organic odor			0.0
5							
6		DP5-6					
7			[Lithology Diagram]	BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED			
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 5, Log of Boring DP5, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP6</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/21/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1			[Dotted pattern]	ALLUVIUM Loose to medium dense, moist, brown, SAND with silt			
2							
3		DP6-3					0.0
4			[Vertical line pattern]	Medium dense, moist to wet, dark grey-brown, silty fine SAND, micaceous			
5							
6		DP6-6					0.0
7							
8				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED			
9							
10							
11							
12							
13							
14							

Figure 6, Log of Boring DP6, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/14/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP7</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				3 inches of asphalt-concrete over baserock			
2		DP7-2		ALLUVIUM Medium dense, moist, orange-brown, silty SAND			
3							0.0
4				Dense, moist to wet, orange-grey with grey-green mottling, silty SAND, common gleyed clay intervals, coarse grained sand, grading to decomposed granite			
5							
6		DP7-6					1.1
7							
8				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 7, Log of Boring DP7, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>HA12</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>4.2'</u>		
				EQUIPMENT <u>HAND-AUGER</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Medium dense, moist, orange-brown, silty SAND, micaceous			
3		HA12-3					0.0
4				▼			
5				Medium dense, wet, grey, fine SAND with clay, micaceous			
6		HA12-6					0.0
7							
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 4.2 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 8, Log of Boring HA12, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP13		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>3.8'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
				SOIL DESCRIPTION			
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Dense, dry, dark grey-orange, SAND and GRAVEL			
3		DP13-3		Dense, dry, dark grey, cemented SAND			
4		DP13-4		▼ Dense, very moist, orange-brown, fine SAND with silt			
5							
6		DP13-6					
7							
8				BORING TERMINATED AT 8 FEET			
9				FREE GROUNDWATER ENCOUNTERED AT 3.8 ft			
10							
11							
12							
13							
14							
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16							
17							
18							
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21							
22							
23							
24							

Figure 9, Log of Boring DP13, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP14</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>3.8'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Dense, moist, grey-brown to orange, SAND			
3		DP14-3		▼ Medium dense, very moist, grey, SAND, strong diesel odor, visible sheen			2.0
4		DP14-4					128.0
5							
6		DP14-6					7.0
7							
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 3.8 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 10, Log of Boring DP14, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP15		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>4.0'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Dense, moist, orange-brown, SAND, micaceous, grading to grey-brown			
3		DP15-3					
4		DP15-4		▼ Dense, moist, grey, silty SAND, diesel odor			
5							
6		DP15-6					
7							
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 4.0 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 11, Log of Boring DP15, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP19		WELL CONSTRUCTION	HEADSPACE (PPM)	
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>4.7'</u>			
				EQUIPMENT	<u>GEOPROBE</u>	DRILLER	<u>GEOCON</u>	
SOIL DESCRIPTION								
1				6-inches of asphalt-concrete over 6-inches baserock				
2				ALLUVIUM Medium dense, moist, orange-brown, silty fine SAND				
3		DP19-3						0.2
4				▼ Medium dense, very moist to wet, grey-brown, SAND with silt, fine to coarse grained				
5								
6		DP19-6						0.2
7								
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 4.7 ft				
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Figure 12, Log of Boring DP19, page 1 of 1

ENV_WELL_US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP20		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/22/2008</u>	WATER LEVEL (ATD) <u>6.5'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 18-inches baserock			
2				ALLUVIUM Dense, moist, orange, SAND with silt			0.0
3		DP20-3					
4				Medium dense, wet, grey, silty fine SAND, petroleum odor			68.0
5		DP20-5					
6		DP20-6		▼ Medium dense, very moist to wet, orange-brown SAND, micaceous			
7							0.1
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 6.5 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 13, Log of Boring DP20, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP25</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD) _____		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Medium dense, moist, orange-brown, fine silty SAND			
3		DP25-3					0.0
4							
5				Medium dense, wet, brown, fine SAND with silt			
6		DP25-6					0.0
7							
8				BORING TERMINATED AT 8 FEET			
9				NO FREE GROUNDWATER ENCOUNTERED			
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 14, Log of Boring DP25, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP26			WELL CONST.	HEADSPACE (PPM)	CORE REC/ RQD (%)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)				
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>					
SOIL DESCRIPTION									
1			ALLUVIUM Medium dense, moist, orange, SAND						
2									
3		DP26-3	Medium dense, wet, dark grey, SAND, micaceous						
4									
5									
6		DP26-6							
7									
8				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED					
9									
10									
11									
12									
13									
14									

Figure 15, Log of Boring DP26, page 1 of 1

ENV_CORE_M_US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP27</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD) <u>3.5'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				6-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Medium dense, wet, orange-brown and grey, SAND, micaceous			
3		DP27-3		▼			0.0
4				Medium dense, wet, grey-green, SAND			
5							
6		DP27-6					0.0
7							
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 3.5 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 16, Log of Boring DP27, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP28</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD) <u>4.6'</u>		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				8-inches of asphalt-concrete over 10-inches baserock			
2		DP28-3	▼	FILL Dense, moist, orange-brown, SAND, decomposed granite appearance, very coarse grained (trench backfill)			0.0
3							
4							
5		DP28-6	▼	ALLUVIUM Dense, wet, medium brown, SAND, some silt			0.0
6							
7							
8				BORING TERMINATED AT 8 FEET FREE GROUNDWATER ENCOUNTERED AT 4.6 ft			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 17, Log of Boring DP28, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP29			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)				
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>					
SOIL DESCRIPTION									
1		DP29-0	[LITHOLOGY COLUMN]	ALLUVIUM Dense, moist, orange, SAND with silt, fine to coarse grained					
2		DP29-1							
3		DP29-2							
4		DP29-3						0.0	
5				Dense, moist, orange, SAND with silt, micaceous, medium to coarse grained					
6		DP29-6						5.4	
7									
8			BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED						
9									
10									
11									
12									
13									
14									

Figure 18, Log of Boring DP29, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP30</u>			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)				
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>					
SOIL DESCRIPTION									
1			[Dotted pattern]	ALLUVIUM Dense, moist, orange to light-grey SAND with silt, fine to coarse grained					
2									
3		DP30-3							
4			[Dotted pattern]	Dense, moist, orange-brown and grey-brown, SAND with silt, fine to coarse grained, predominately coarse-grained					0.8
5									
6		DP30-6							
7				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED					
8									
9									
10									
11									
12									
13									
14									

Figure 19, Log of Boring DP30, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP31		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				3-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Medium dense, moist, orange-brown, SAND, fine to medium grained			
3		DP31-3					0.0
4				Medium dense, moist, light-tan and orange, SAND, fine to coarse grained			
5							
6		DP31-6					0.0
7							
8				BORING TERMINATED AT 8 FEET			
9				NO FREE GROUNDWATER ENCOUNTERED			
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 20, Log of Boring DP31, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP32		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				3-inches of asphalt-concrete over 6-inches baserock			
2				ALLUVIUM Medium dense, moist, dark brown-grey, SAND, some silt, fine to medium grained			0.6
3		DP32-3					
4				Medium dense, moist, medium grey-brown, fine SAND, micaceous			0.1
5							
6		DP32-6					
7							
8				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED			
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 21, Log of Boring DP32, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

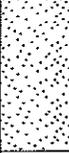
DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP33</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
SOIL DESCRIPTION							
1				3-inches of asphalt-concrete over 6-inches baserock			
2				FILL Dense, moist, medium grey, SAND, fine to medium grained, (possible trench backfill)			0.1
3		DP33-3					
4							
5							
6				ALLUVIUM Dense, moist, medium grey-orange, SAND, fine to medium grained			0.4
7		DP33-6					
8							
9			BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED				
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

Figure 22, Log of Boring DP33, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP34			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)	EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>			
				SOIL DESCRIPTION					
1		DP34-0	[LITHOLOGY COLUMN]	ALLUVIUM Medium dense, moist, orange-brown grading to grey-brown, SAND, fine to medium grained					
2		DP34-1							
3		DP34-2							
4		DP34-3							
5									
6		DP34-6					Medium dense, moist, grey-brown, SAND, fine to medium grained		0.0
7									
8				BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED					
9									
10									
11									
12									
13									
14									

Figure 23, Log of Boring DP34, page 1 of 1

ENV_CORE_M US HWY50 SILT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP35</u>		WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)			
				EQUIPMENT <u>GEOPROBE</u> DRILLER <u>GEOCON</u>				
SOIL DESCRIPTION								
1		DP35-0	[Hatched pattern]	ALLUVIUM Dense, moist, brown, clayey SAND				
2		DP35-1						
3		DP35-2						
4		DP35-3						
5			[Dotted pattern]	Very dense, moist, light grey-orange, SAND, fine to coarse. grained, decomposed granite appearance				
6		DP35-6						
7			BORING TERMINATED AT 8 FEET NO FREE GROUNDWATER ENCOUNTERED					
8								
9								
10								
11								
12								
13								
14								

Figure 24, Log of Boring DP35, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. S9300-06-38

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. DP36			WELL CONST.	HEADSPACE (PPM)	CORE REC/ ROD (%)
				DATE DRILLED 4/23/2008	WATER LEVEL (ATD)	EQUIPMENT GEOPROBE DRILLER GEOCON			
SOIL DESCRIPTION									
1		DP36-0		ALLUVIUM Medium dense, moist, orange, silty SAND, fine to medium grained					
2		DP36-1							
3		DP36-2							
4		DP36-3						0.0	
5		DP36-4		Medium dense, moist, orange-brown, SAND, fine to coarse grained					
6		DP36-6						0.0	
7		DP36-7							
8		DP36-8							
9		DP36-9		Dense, moist to wet, grey-green and orange, silty SAND, fine to coarse grained, micaceous				0.0	
10		DP36-10							
11		DP36-11							
12		DP36-12		BORING TERMINATED AT 12 FEET NO FREE GROUNDWATER ENCOUNTERED					
13									
14									

Figure 25, Log of Boring DP36, page 1 of 1

ENV_CORE_M US HWY50 SLT BORINGS.GPJ 05/05/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

PROJECT NO. **S9300-06-38**

DEPTH IN FEET	PENETRAT. RESIST. BLOWS/FT.	SAMPLE NO.	LITHOLOGY	BORING/WELL NO. <u>DP37</u>		WELL CONSTRUCTION	HEADSPACE (PPM)
				DATE DRILLED <u>4/23/2008</u>	WATER LEVEL (ATD)		
				EQUIPMENT	<u>GEOPROBE</u>	DRILLER	<u>GEOCON</u>
SOIL DESCRIPTION							
1				2-inches of asphalt-concrete over 4-inches baserock			
2				ALLUVIUM Medium dense, moist, brown, SAND with silt			
3		DP37-3					
4		DP37-4		Medium dense to dense, moist, orange-tan, SAND, fine to coarse grained			
5							
6		DP37-6					
7							
8		DP37-8		Very dense, moist, orange, SAND, medium to coarse grained, slightly cemented			
9							
10		DP37-10					
11							
12		DP37-12		BORING TERMINATED AT 12 FEET NO FREE GROUNDWATER ENCOUNTERED			
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

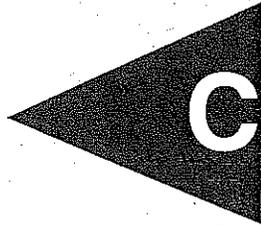
Figure 26, Log of Boring DP37, page 1 of 1

ENV_WELL US HWY50 SLT BORINGS.GPJ 05/23/08

CASING ELEVATION:	QUANTITY OF FILTER MATERIAL:
DIAMETER & TYPE OF CASING:	WELL SEAL & INTERVAL:
CASING INTERVAL:	WELL SEAL QUANTITY:
WELL SCREEN:	ANNULUS SEAL/INTERVAL:
SCREEN INTERVAL:	ADDITIVES:
WELL COVER:	WELL DEPTH:
FILTERPACK/INTERVAL:	ENGINEER/GEOLOGIST: ALFRED WORCESTER

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

APPENDIX



May 01, 2008



Alfred Worcester
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098430

RE: South Lake Tahoe US50 ADL, S9300-06-38

Attention: Alfred Worcester

Enclosed are the results for sample(s) received on April 24, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

 Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38
Lab Order: 098430

CASE NARRATIVE

All volatile analyses, except for sample 098430-013A/DP4-6, were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Sample Receiving / General Comments

Encore samples for 5035/8260 were received beyond holding time. Sample HA8-2 was listed on the Chain of Custody but was not received by the laboratory. The client was notified on 04/24/08 and instructed the laboratory to proceed with the 5035/8260 analysis.

Analytical Comments for Method 8015 (DRO)

Dilution was necessary for samples 098430-012A and 098430-060A, due to sample matrix.

Surrogate recoveries were diluted out for samples 098430-012A and 098430-060A.

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098430-065AMS and 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) and/or Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 098430-002ADUP, 098430-018ADUP, 098430-065ADUP and 098430-065AMSD; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Analytical Comments for Method 8015 (GRO/BTEX)

Dilution was necessary for samples 098430-060A and 098430-061A, due to sample matrix.

**LEAD BY ICP
EPA 6010B**

ANALYTICAL RESULTS

CLIENT:	Geocon Consultants, Inc.	Lab Order:	098430
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Date Received	4/24/2008 10:00:00 AM
Project No:		Matrix:	Soil
Analyte:	Lead	Analyst:	CL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098430-006A	DP2-0	6.4	mg/Kg	45252	5.0	1	4/21/2008	4/30/2008
098430-007A	DP2-1	5.5	mg/Kg	45252	5.0	1	4/21/2008	4/30/2008
098430-008A	DP2-2	ND	mg/Kg	45252	5.0	1	4/21/2008	4/30/2008
098430-020A	HA-8-0	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-021A	HA8-1	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-023A	HA9-0	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-024A	HA9-1	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-025A	HA9-2	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-026A	HA10-0	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-027A	HA10-1	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-028A	HA10-2	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-029A	HA11-0	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-030A	HA11-1	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-031A	HA11-2	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-032A	HA12-3	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-035A	HA16-0	ND	mg/Kg	45252	5.0	1	4/22/2008	4/30/2008
098430-036A	HA16-1	12	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-037A	HA16-2	17	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

**LEAD BY ICP
EPA 6010B**

ANALYTICAL RESULTS

CLIENT:	Geocon Consultants, Inc.	Lab Order:	098430
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Date Received	4/24/2008 10:00:00 AM
Project No:		Matrix:	Soil
Analyte:	Lead	Analyst:	CL

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098430-041A	HA17-0	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-042A	HA17-1	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-043A	HA17-2	6.1	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-044A	HA18-0	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-045A	HA18-1	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-046A	HA18-2	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-062A	HA21-0	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-063A	HA21-1	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-064A	HA21-2	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-066A	HA22-0	9.4	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-067A	HA23-0	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-068A	HA23-1	7.1	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-069A	HA24-0	26	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-070A	HA24-1	9.3	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008
098430-071A	HA24-2	ND	mg/Kg	45253	5.0	1	4/22/2008	4/29/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP1-3
Lab Order:	098430	Collection Date:	4/21/2008 9:15:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268	PrepDate: 4/28/2008	Analyst: CBR
DRO	2.6	1.0	mg/Kg
Surr: p-Terphenyl	74.1	26-127	%REC

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	103	42-142	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg
Ethylbenzene	ND	5.0	µg/Kg
m,p-Xylene	ND	10	µg/Kg
Methyl tert-butyl ether	ND	5.0	µg/Kg
o-Xylene	ND	5.0	µg/Kg
Toluene	ND	5.0	µg/Kg
Surr: Bromofluorobenzene (PID)	111	71-139	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	6.1	H µg/Kg
1,1,1-Trichloroethane	ND	6.1	H µg/Kg
1,1,2,2-Tetrachloroethane	ND	6.1	H µg/Kg
1,1,2-Trichloroethane	ND	6.1	H µg/Kg
1,1-Dichloroethane	ND	6.1	H µg/Kg
1,1-Dichloroethene	ND	6.1	H µg/Kg
1,1-Dichloropropene	ND	6.1	H µg/Kg
1,2,3-Trichlorobenzene	ND	6.1	H µg/Kg
1,2,3-Trichloropropane	ND	6.1	H µg/Kg
1,2,4-Trichlorobenzene	ND	6.1	H µg/Kg
1,2,4-Trimethylbenzene	ND	6.1	H µg/Kg
1,2-Dibromo-3-chloropropane	ND	12	H µg/Kg
1,2-Dibromoethane	ND	6.1	H µg/Kg
1,2-Dichlorobenzene	ND	6.1	H µg/Kg

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP1-3

Lab Order: 098430

Collection Date: 4/21/2008 9:15:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-001

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
1,2-Dichloroethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
1,2-Dichloropropane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
1,3,5-Trimethylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
1,3-Dichlorobenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
1,3-Dichloropropane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
1,4-Dichlorobenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
2,2-Dichloropropane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
2-Chlorotoluene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
4-Chlorotoluene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
4-Isopropyltoluene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Benzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Bromobenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Bromodichloromethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Bromoform	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Bromomethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Carbon tetrachloride	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Chlorobenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Chloroethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Chloroform	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Chloromethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
cis-1,2-Dichloroethene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
cis-1,3-Dichloropropene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Dibromochloromethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Dibromomethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Dichlorodifluoromethane	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Ethylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Hexachlorobutadiene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Isopropylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
m,p-Xylene	ND	12	H	µg/Kg	1	4/26/2008 06:04 AM	
Methylene chloride	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
n-Butylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
n-Propylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Naphthalene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
o-Xylene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
sec-Butylbenzene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	
Styrene	ND	6.1	H	µg/Kg	1	4/26/2008 06:04 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP1-3
Lab Order:	098430	Collection Date:	4/21/2008 9:15:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-001		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
tert-Butylbenzene	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Tetrachloroethene	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Toluene	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
trans-1,2-Dichloroethene	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Trichloroethene	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Trichlorofluoromethane	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Vinyl chloride	ND	6.1	H µg/Kg 1 4/26/2008 06:04 AM
Surr: 1,2-Dichloroethane-d4	120	70-130	H %REC 1 4/26/2008 06:04 AM
Surr: 4-Bromofluorobenzene	107	70-130	H %REC 1 4/26/2008 06:04 AM
Surr: Dibromofluoromethane	124	70-130	H %REC 1 4/26/2008 06:04 AM
Surr: Toluene-d8	99.1	70-130	H %REC 1 4/26/2008 06:04 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP1-5
Lab Order:	098430	Collection Date:	4/21/2008 9:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-002		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268	PrepDate: 4/28/2008	Analyst: CBR
DRO	2.5	1.0	mg/Kg
Surr: p-Terphenyl	71.2	26-127	%REC

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	99.2	42-142	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg
Ethylbenzene	ND	5.0	µg/Kg
m,p-Xylene	ND	10	µg/Kg
Methyl tert-butyl ether	ND	5.0	µg/Kg
o-Xylene	ND	5.0	µg/Kg
Toluene	ND	5.0	µg/Kg
Surr: Bromofluorobenzene (PID)	103	71-139	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	8.7	H µg/Kg
1,1,1-Trichloroethane	ND	8.7	H µg/Kg
1,1,2,2-Tetrachloroethane	ND	8.7	H µg/Kg
1,1,2-Trichloroethane	ND	8.7	H µg/Kg
1,1-Dichloroethane	ND	8.7	H µg/Kg
1,1-Dichloroethene	ND	8.7	H µg/Kg
1,1-Dichloropropene	ND	8.7	H µg/Kg
1,2,3-Trichlorobenzene	ND	8.7	H µg/Kg
1,2,3-Trichloropropane	ND	8.7	H µg/Kg
1,2,4-Trichlorobenzene	ND	8.7	H µg/Kg
1,2,4-Trimethylbenzene	ND	8.7	H µg/Kg
1,2-Dibromo-3-chloropropane	ND	17	H µg/Kg
1,2-Dibromoethane	ND	8.7	H µg/Kg
1,2-Dichlorobenzene	ND	8.7	H µg/Kg

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP1-5

Lab Order: 098430

Collection Date: 4/21/2008 9:30:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
1,2-Dichloroethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
1,2-Dichloropropane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
1,3,5-Trimethylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
1,3-Dichlorobenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
1,3-Dichloropropane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
1,4-Dichlorobenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
2,2-Dichloropropane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
2-Chlorotoluene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
4-Chlorotoluene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
4-Isopropyltoluene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Benzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Bromobenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Bromodichloromethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Bromoform	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Bromomethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Carbon tetrachloride	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Chlorobenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Chloroethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Chloroform	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Chloromethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
cis-1,2-Dichloroethene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
cis-1,3-Dichloropropene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Dibromochloromethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Dibromomethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Dichlorodifluoromethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Ethylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Hexachlorobutadiene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Isopropylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
m,p-Xylene	ND	17	H	µg/Kg	1	4/26/2008 06:20 AM	
Methylene chloride	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
n-Butylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
n-Propylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Naphthalene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
o-Xylene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
sec-Butylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Styrene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP1-5

Lab Order: 098430

Collection Date: 4/21/2008 9:30:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-002

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
tert-Butylbenzene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Tetrachloroethene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Toluene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
trans-1,2-Dichloroethene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Trichloroethene	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Trichlorofluoromethane	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Vinyl chloride	ND	8.7	H	µg/Kg	1	4/26/2008 06:20 AM	
Surr: 1,2-Dichloroethane-d4	119	70-130	H	%REC	1	4/26/2008 06:20 AM	
Surr: 4-Bromofluorobenzene	84.4	70-130	H	%REC	1	4/26/2008 06:20 AM	
Surr: Dibromofluoromethane	114	70-130	H	%REC	1	4/26/2008 06:20 AM	
Surr: Toluene-d8	92.7	70-130	H	%REC	1	4/26/2008 06:20 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP1-10
Lab Order:	098430	Collection Date:	4/21/2008 10:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268				PrepDate: 4/28/2008	Analyst: CBR
DRO	2.7	1.0		mg/Kg	1	4/28/2008 06:52 PM
Surr: p-Terphenyl	77.4	26-127		%REC	1	4/28/2008 06:52 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 12:54 AM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/25/2008 12:54 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 12:54 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 12:54 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 12:54 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 12:54 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 12:54 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 12:54 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 12:54 AM

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182				PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1,1-Trichloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1,2,2-Tetrachloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1,2-Trichloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1-Dichloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1-Dichloroethene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,1-Dichloropropene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2,3-Trichlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2,3-Trichloropropane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2,4-Trichlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2,4-Trimethylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2-Dibromo-3-chloropropane	ND	15	H	µg/Kg	1	4/26/2008 06:36 AM
1,2-Dibromoethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM
1,2-Dichlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP1-10

Lab Order: 098430

Collection Date: 4/21/2008 10:00:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-003

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
1,2-Dichloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
1,2-Dichloropropane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
1,3,5-Trimethylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
1,3-Dichlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
1,3-Dichloropropane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
1,4-Dichlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
2,2-Dichloropropane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
2-Chlorotoluene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
4-Chlorotoluene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
4-Isopropyltoluene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Benzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Bromobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Bromodichloromethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Bromoform	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Bromomethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Carbon tetrachloride	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Chlorobenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Chloroethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Chloroform	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Chloromethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
cis-1,2-Dichloroethene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
cis-1,3-Dichloropropene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Dibromochloromethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Dibromomethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Dichlorodifluoromethane	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Ethylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Hexachlorobutadiene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Isopropylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
m,p-Xylene	ND	15	H	µg/Kg	1	4/26/2008 06:36 AM	
Methylene chloride	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
n-Butylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
n-Propylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Naphthalene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
o-Xylene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
sec-Butylbenzene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	
Styrene	ND	7.4	H	µg/Kg	1	4/26/2008 06:36 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP1-10
Lab Order:	098430	Collection Date:	4/21/2008 10:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-003		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
tert-Butylbenzene	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Tetrachloroethene	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Toluene	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
trans-1,2-Dichloroethene	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Trichloroethene	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Trichlorofluoromethane	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Vinyl chloride	ND	7.4	H µg/Kg 1 4/26/2008 06:36 AM
Surr: 1,2-Dichloroethane-d4	113	70-130	H %REC 1 4/26/2008 06:36 AM
Surr: 4-Bromofluorobenzene	86.6	70-130	H %REC 1 4/26/2008 06:36 AM
Surr: Dibromofluoromethane	115	70-130	H %REC 1 4/26/2008 06:36 AM
Surr: Toluene-d8	94.5	70-130	H %REC 1 4/26/2008 06:36 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-3
Lab Order:	098430	Collection Date:	4/21/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268	PrepDate: 4/28/2008	Analyst: CBR
DRO	1.6	1.0	mg/Kg
Surr: p-Terphenyl	81.1	26-127	%REC

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	100	42-142	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg
Ethylbenzene	ND	5.0	µg/Kg
m,p-Xylene	ND	10	µg/Kg
Methyl tert-butyl ether	ND	5.0	µg/Kg
o-Xylene	ND	5.0	µg/Kg
Toluene	ND	5.0	µg/Kg
Surr: Bromofluorobenzene (PID)	108	71-139	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	6.4	H µg/Kg
1,1,1-Trichloroethane	ND	6.4	H µg/Kg
1,1,2,2-Tetrachloroethane	ND	6.4	H µg/Kg
1,1,2-Trichloroethane	ND	6.4	H µg/Kg
1,1-Dichloroethane	ND	6.4	H µg/Kg
1,1-Dichloroethene	ND	6.4	H µg/Kg
1,1-Dichloropropene	ND	6.4	H µg/Kg
1,2,3-Trichlorobenzene	ND	6.4	H µg/Kg
1,2,3-Trichloropropane	ND	6.4	H µg/Kg
1,2,4-Trichlorobenzene	ND	6.4	H µg/Kg
1,2,4-Trimethylbenzene	ND	6.4	H µg/Kg
1,2-Dibromo-3-chloropropane	ND	13	H µg/Kg
1,2-Dibromoethane	ND	6.4	H µg/Kg
1,2-Dichlorobenzene	ND	6.4	H µg/Kg

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-3
Lab Order:	098430	Collection Date:	4/21/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH			
1,2-Dichloroethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
1,2-Dichloropropane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
1,3,5-Trimethylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
1,3-Dichlorobenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
1,3-Dichloropropane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
1,4-Dichlorobenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
2,2-Dichloropropane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
2-Chlorotoluene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
4-Chlorotoluene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
4-Isopropyltoluene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Benzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Bromobenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Bromodichloromethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Bromoform	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Bromomethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Carbon tetrachloride	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Chlorobenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Chloroethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Chloroform	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Chloromethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
cis-1,2-Dichloroethene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
cis-1,3-Dichloropropene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Dibromochloromethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Dibromomethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Dichlorodifluoromethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Ethylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Hexachlorobutadiene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Isopropylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
m,p-Xylene	ND	13	H	µg/Kg	1	4/26/2008 06:52 AM
Methylene chloride	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
n-Butylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
n-Propylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Naphthalene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
o-Xylene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
sec-Butylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Styrene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-3
Lab Order:	098430	Collection Date:	4/21/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-004		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH			
tert-Butylbenzene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Tetrachloroethene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Toluene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
trans-1,2-Dichloroethene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Trichloroethene	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Trichlorofluoromethane	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Vinyl chloride	ND	6.4	H	µg/Kg	1	4/26/2008 06:52 AM
Surr: 1,2-Dichloroethane-d4	113	70-130	H	%REC	1	4/26/2008 06:52 AM
Surr: 4-Bromofluorobenzene	83.6	70-130	H	%REC	1	4/26/2008 06:52 AM
Surr: Dibromofluoromethane	112	70-130	H	%REC	1	4/26/2008 06:52 AM
Surr: Toluene-d8	92.9	70-130	H	%REC	1	4/26/2008 06:52 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-6
Lab Order:	098430	Collection Date:	4/21/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.3	1.0		mg/Kg	1	4/28/2008 07:43 PM
Surr: p-Terphenyl	78.4	26-127		%REC	1	4/28/2008 07:43 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/24/2008 10:28 PM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/24/2008 10:28 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/24/2008 10:28 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/24/2008 10:28 PM
m,p-Xylene	ND	10		µg/Kg	1	4/24/2008 10:28 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/24/2008 10:28 PM
o-Xylene	ND	5.0		µg/Kg	1	4/24/2008 10:28 PM
Toluene	ND	5.0		µg/Kg	1	4/24/2008 10:28 PM
Surr: Bromofluorobenzene (PID)	112	71-139		%REC	1	4/24/2008 10:28 PM

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182				PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1,1-Trichloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1,2,2-Tetrachloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1,2-Trichloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1-Dichloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1-Dichloroethene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,1-Dichloropropene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2,3-Trichlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2,3-Trichloropropane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2,4-Trichlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2,4-Trimethylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2-Dibromo-3-chloropropane	ND	12	H	µg/Kg	1	4/26/2008 07:08 AM
1,2-Dibromoethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM
1,2-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP2-6
Lab Order: 098430 **Collection Date:** 4/21/2008 11:00:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098430-005

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
1,2-Dichloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
1,2-Dichloropropane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
1,3,5-Trimethylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
1,3-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
1,3-Dichloropropane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
1,4-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
2,2-Dichloropropane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
2-Chlorotoluene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
4-Chlorotoluene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
4-Isopropyltoluene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Benzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Bromobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Bromodichloromethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Bromoform	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Bromomethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Carbon tetrachloride	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Chlorobenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Chloroethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Chloroform	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Chloromethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
cis-1,2-Dichloroethene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
cis-1,3-Dichloropropene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Dibromochloromethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Dibromomethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Dichlorodifluoromethane	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Ethylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Hexachlorobutadiene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Isopropylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
m,p-Xylene	ND	12	H	µg/Kg	1	4/26/2008 07:08 AM	
Methylene chloride	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
n-Butylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
n-Propylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Naphthalene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
o-Xylene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
sec-Butylbenzene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	
Styrene	ND	6.0	H	µg/Kg	1	4/26/2008 07:08 AM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-6
Lab Order:	098430	Collection Date:	4/21/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-005		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
tert-Butylbenzene	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Tetrachloroethene	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Toluene	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
trans-1,2-Dichloroethene	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Trichloroethene	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Trichlorofluoromethane	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Vinyl chloride	ND	6.0	H µg/Kg 1 4/26/2008 07:08 AM
Surr: 1,2-Dichloroethane-d4	114	70-130	H %REC 1 4/26/2008 07:08 AM
Surr: 4-Bromofluorobenzene	88.4	70-130	H %REC 1 4/26/2008 07:08 AM
Surr: Dibromofluoromethane	115	70-130	H %REC 1 4/26/2008 07:08 AM
Surr: Toluene-d8	92.0	70-130	H %REC 1 4/26/2008 07:08 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-10
Lab Order:	098430	Collection Date:	4/21/2008 11:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428A	QC Batch: 45268			PrepDate: 4/28/2008	Analyst: CBR
DRO	1.2	1.0		mg/Kg	1 4/28/2008 08:09 PM
Surr: p-Terphenyl	69.4	26-127		%REC	1 4/28/2008 08:09 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1 4/25/2008 01:42 AM
Surr: Bromofluorobenzene (FID)	104	42-142		%REC	1 4/25/2008 01:42 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1 4/25/2008 01:42 AM
Ethylbenzene	ND	5.0		µg/Kg	1 4/25/2008 01:42 AM
m,p-Xylene	ND	10		µg/Kg	1 4/25/2008 01:42 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1 4/25/2008 01:42 AM
o-Xylene	ND	5.0		µg/Kg	1 4/25/2008 01:42 AM
Toluene	ND	5.0		µg/Kg	1 4/25/2008 01:42 AM
Surr: Bromofluorobenzene (PID)	109	71-139		%REC	1 4/25/2008 01:42 AM

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182			PrepDate: 4/24/2008	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1,1-Trichloroethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1,2,2-Tetrachloroethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1,2-Trichloroethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1-Dichloroethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1-Dichloroethene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,1-Dichloropropene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2,3-Trichlorobenzene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2,3-Trichloropropane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2,4-Trichlorobenzene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2,4-Trimethylbenzene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2-Dibromo-3-chloropropane	ND	13	H	µg/Kg	1 4/26/2008 05:49 AM
1,2-Dibromoethane	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM
1,2-Dichlorobenzene	ND	6.3	H	µg/Kg	1 4/26/2008 05:49 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP2-10

Lab Order: 098430

Collection Date: 4/21/2008 11:30:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-009

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080425D	QC Batch:	K08VS182	PrepDate:	4/24/2008	Analyst:	AAH
1,2-Dichloroethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
1,2-Dichloropropane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
1,3,5-Trimethylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
1,3-Dichlorobenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
1,3-Dichloropropane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
1,4-Dichlorobenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
2,2-Dichloropropane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
2-Chlorotoluene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
4-Chlorotoluene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
4-Isopropyltoluene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Benzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Bromobenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Bromodichloromethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Bromoform	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Bromomethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Carbon tetrachloride	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Chlorobenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Chloroethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Chloroform	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Chloromethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
cis-1,2-Dichloroethene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
cis-1,3-Dichloropropene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Dibromochloromethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Dibromomethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Dichlorodifluoromethane	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Ethylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Hexachlorobutadiene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Isopropylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
m,p-Xylene	ND	13	H	µg/Kg	1	4/26/2008 05:49 AM	
Methylene chloride	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
n-Butylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
n-Propylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Naphthalene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
o-Xylene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
sec-Butylbenzene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	
Styrene	ND	6.3	H	µg/Kg	1	4/26/2008 05:49 AM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP2-10
Lab Order:	098430	Collection Date:	4/21/2008 11:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-009		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate: 4/24/2008	Analyst: AAH
tert-Butylbenzene	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Tetrachloroethene	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Toluene	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
trans-1,2-Dichloroethene	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Trichloroethene	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Trichlorofluoromethane	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Vinyl chloride	ND	6.3	H µg/Kg 1 4/26/2008 05:49 AM
Surr: 1,2-Dichloroethane-d4	125	70-130	H %REC 1 4/26/2008 05:49 AM
Surr: 4-Bromofluorobenzene	94.2	70-130	H %REC 1 4/26/2008 05:49 AM
Surr: Dibromofluoromethane	125	70-130	H %REC 1 4/26/2008 05:49 AM
Surr: Toluene-d8	101	70-130	H %REC 1 4/26/2008 05:49 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP3-3
Lab Order:	098430	Collection Date:	4/21/2008 12:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-010		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428A	QC Batch: 45268			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.4	1.0		mg/Kg	1	4/28/2008 08:34 PM
Surr: p-Terphenyl	72.6	26-127		%REC	1	4/28/2008 08:34 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 02:06 AM
Surr: Bromofluorobenzene (FID)	99.3	42-142		%REC	1	4/25/2008 02:06 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 02:06 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 02:06 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 02:06 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 02:06 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 02:06 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 02:06 AM
Surr: Bromofluorobenzene (PID)	106	71-139		%REC	1	4/25/2008 02:06 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP3-6
Lab Order:	098430	Collection Date:	4/21/2008 12:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-011		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428A	QC Batch: 45268			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.3	1.0		mg/Kg	1	4/28/2008 09:00 PM
Surr: p-Terphenyl	74.3	26-127		%REC	1	4/28/2008 09:00 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 02:31 AM
Surr: Bromofluorobenzene (FID)	100	42-142		%REC	1	4/25/2008 02:31 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 02:31 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 02:31 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 02:31 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 02:31 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 02:31 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 02:31 AM
Surr: Bromofluorobenzene (PID)	104	71-139		%REC	1	4/25/2008 02:31 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP4-3
Lab Order:	098430	Collection Date:	4/21/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-012		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428A	QC Batch: 45268			PrepDate: 4/28/2008		Analyst: CBR
DRO	120	40		mg/Kg	20	4/28/2008 10:17 PM
Surr: p-Terphenyl	0	26-127	SDO	%REC	20	4/28/2008 10:17 PM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 02:55 AM
Surr: Bromofluorobenzene (FID)	100	42-142		%REC	1	4/25/2008 02:55 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC2_080424B	QC Batch: E08VS115			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 02:55 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 02:55 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 02:55 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 02:55 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 02:55 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 02:55 AM
Surr: Bromofluorobenzene (PID)	106	71-139		%REC	1	4/25/2008 02:55 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP4-6
Lab Order:	098430	Collection Date:	4/21/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B						
EPA 8015B(M)						
RunID: GC7_BACK_080428A	QC Batch: 45268				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.8	1.0		mg/Kg	1	4/28/2008 09:25 PM
Surr: p-Terphenyl	77.0	26-127		%REC	1	4/28/2008 09:25 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 03:19 AM
Surr: Bromofluorobenzene (FID)	101	42-142		%REC	1	4/25/2008 03:19 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424B	QC Batch: E08VS115				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 03:19 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 03:19 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 03:19 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 03:19 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 03:19 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 03:19 AM
VOLATILE ORGANIC COMPOUNDS BY GC/MS						
EPA 8260B						
RunID: MS4_080425D	QC Batch: K08VS182				PrepDate:	Analyst: AAH
1,1,1,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1,1-Trichloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1,2-Trichloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1-Dichloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1-Dichloroethene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,1-Dichloropropene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2,3-Trichloropropane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/Kg	1	4/26/2008 05:17 AM
1,2-Dibromoethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2-Dichlorobenzene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
1,2-Dichloroethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP4-6
Lab Order:	098430	Collection Date:	4/21/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182	PrepDate:	Analyst: AAH
1,2-Dichloropropane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
1,3,5-Trimethylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
1,3-Dichlorobenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
1,3-Dichloropropane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
1,4-Dichlorobenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
2,2-Dichloropropane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
2-Chlorotoluene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
4-Chlorotoluene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
4-Isopropyltoluene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Benzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Bromobenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Bromodichloromethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Bromoform	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Bromomethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Carbon tetrachloride	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Chlorobenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Chloroethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Chloroform	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Chloromethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
cis-1,2-Dichloroethene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
cis-1,3-Dichloropropene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Dibromochloromethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Dibromomethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Dichlorodifluoromethane	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Ethylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Hexachlorobutadiene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Isopropylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
m,p-Xylene	ND	10	µg/Kg 1 4/26/2008 05:17 AM
Methylene chloride	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
n-Butylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
n-Propylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Naphthalene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
o-Xylene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
sec-Butylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
Styrene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM
tert-Butylbenzene	ND	5.0	µg/Kg 1 4/26/2008 05:17 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP4-6
Lab Order:	098430	Collection Date:	4/21/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-013		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080425D	QC Batch: K08VS182			PrepDate:		Analyst: AAH
Tetrachloroethene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
Toluene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
trans-1,2-Dichloroethene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
Trichloroethene	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
Trichlorofluoromethane	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
Vinyl chloride	ND	5.0		µg/Kg	1	4/26/2008 05:17 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%REC	1	4/26/2008 05:17 AM
Surr: 4-Bromofluorobenzene	83.6	70-130		%REC	1	4/26/2008 05:17 AM
Surr: Dibromofluoromethane	123	70-130		%REC	1	4/26/2008 05:17 AM
Surr: Toluene-d8	99.2	70-130		%REC	1	4/26/2008 05:17 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP5-3

Lab Order: 098430

Collection Date: 4/21/2008 3:49:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-014

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	6.8	1.0		mg/Kg	1	4/28/2008 10:17 PM
Surr: p-Terphenyl	59.1	26-127		%REC	1	4/28/2008 10:17 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 08:35 AM
Surr: Bromofluorobenzene (FID)	76.0	42-142		%REC	1	4/25/2008 08:35 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 08:35 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 08:35 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 08:35 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 08:35 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 08:35 AM
Surr: Bromofluorobenzene (PID)	82.2	71-139		%REC	1	4/25/2008 08:35 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP5-6
Lab Order:	098430	Collection Date:	4/21/2008 3:49:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-015		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/28/2008 05:08 PM
Surr: p-Terphenyl	59.0	26-127		%REC	1	4/28/2008 05:08 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 09:00 AM
Surr: Bromofluorobenzene (FID)	97.5	42-142		%REC	1	4/25/2008 09:00 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 09:00 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 09:00 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 09:00 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 09:00 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 09:00 AM
Surr: Bromofluorobenzene (PID)	104	71-139		%REC	1	4/25/2008 09:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP6-3

Lab Order: 098430

Collection Date: 4/21/2008 3:59:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-016

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/28/2008 08:09 PM
Surr: p-Terphenyl	83.9	26-127		%REC	1	4/28/2008 08:09 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 09:24 AM
Surr: Bromofluorobenzene (FID)	99.0	42-142		%REC	1	4/25/2008 09:24 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 09:24 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 09:24 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 09:24 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 09:24 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 09:24 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 09:24 AM
Surr: Bromofluorobenzene (PID)	106	71-139		%REC	1	4/25/2008 09:24 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP6-6

Lab Order: 098430

Collection Date: 4/21/2008 3:59:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-017

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.8	1.0		mg/Kg	1	4/28/2008 05:34 PM
Surr: p-Terphenyl	77.0	26-127		%REC	1	4/28/2008 05:34 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 09:49 AM
Surr: Bromofluorobenzene (FID)	99.1	42-142		%REC	1	4/25/2008 09:49 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 09:49 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 09:49 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 09:49 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 09:49 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 09:49 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 09:49 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 09:49 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP7-3
Lab Order:	098430	Collection Date:	4/22/2008 7:50:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-018		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.9	1.0		mg/Kg	1	4/28/2008 09:52 PM
Surr: p-Terphenyl	72.2	26-127		%REC	1	4/28/2008 09:52 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 10:13 AM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/25/2008 10:13 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 10:13 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 10:13 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 10:13 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 10:13 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 10:13 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 10:13 AM
Surr: Bromofluorobenzene (PID)	106	71-139		%REC	1	4/25/2008 10:13 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP7-6
Lab Order:	098430	Collection Date:	4/22/2008 7:50:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-019		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	2.7	1.0		mg/Kg	1	4/28/2008 06:00 PM
Surr: p-Terphenyl	85.3	26-127		%REC	1	4/28/2008 06:00 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 10:37 AM
Surr: Bromofluorobenzene (FID)	101	42-142		%REC	1	4/25/2008 10:37 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 10:37 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 10:37 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 10:37 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 10:37 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 10:37 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 10:37 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 10:37 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	HA12-6
Lab Order:	098430	Collection Date:	4/22/2008 9:50:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-033		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	2.1	1.0		mg/Kg	1	4/28/2008 07:43 PM
Surr: p-Terphenyl	81.0	26-127		%REC	1	4/28/2008 07:43 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 11:02 AM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/25/2008 11:02 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 11:02 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 11:02 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 11:02 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 11:02 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 11:02 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 11:02 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 11:02 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	HA12
Lab Order:	098430	Collection Date:	4/22/2008 10:05:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-034		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425B	QC Batch: 45230			PrepDate: 4/25/2008		Analyst: CBR
DRO	0.41	0.071		mg/L	1	4/26/2008 01:36 AM
Surr: p-Terphenyl	113	37-134		%REC	1	4/26/2008 01:36 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)			EPA 8015B(M)			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	ND	0.050		mg/L	1	4/25/2008 09:36 PM
Surr: Bromofluorobenzene (FID)	103	76-127		%REC	1	4/25/2008 09:36 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B			EPA 8021B			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	ND	0.50		µg/L	1	4/25/2008 09:36 PM
Ethylbenzene	ND	0.50		µg/L	1	4/25/2008 09:36 PM
m,p-Xylene	ND	1.0		µg/L	1	4/25/2008 09:36 PM
Methyl tert-butyl ether	ND	0.50		µg/L	1	4/25/2008 09:36 PM
o-Xylene	ND	0.50		µg/L	1	4/25/2008 09:36 PM
Toluene	0.95	0.50		µg/L	1	4/25/2008 09:36 PM
Surr: Bromofluorobenzene (PID)	91.3	82-136		%REC	1	4/25/2008 09:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP13-3
Lab Order:	098430	Collection Date:	4/22/2008 10:40:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-038		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.0	1.0		mg/Kg	1	4/28/2008 07:17 PM
Surr: p-Terphenyl	79.2	26-127		%REC	1	4/28/2008 07:17 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 03:39 PM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/25/2008 03:39 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 03:39 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 03:39 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 03:39 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 03:39 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 03:39 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 03:39 PM
Surr: Bromofluorobenzene (PID)	109	71-139		%REC	1	4/25/2008 03:39 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP13-4
Lab Order:	098430	Collection Date:	4/22/2008 10:40:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-039		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	3.6	1.0		mg/Kg	1	4/28/2008 06:26 PM
Surr: p-Terphenyl	73.6	26-127		%REC	1	4/28/2008 06:26 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 06:58 AM
Surr: Bromofluorobenzene (FID)	101	42-142		%REC	1	4/25/2008 06:58 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 06:58 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 06:58 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 06:58 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 06:58 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 06:58 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 06:58 AM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/25/2008 06:58 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP13-6
Lab Order:	098430	Collection Date:	4/22/2008 10:40:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-040		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_080428A	QC Batch: 45269			PrepDate: 4/28/2008		Analyst: CBR
DRO	3.3	1.0		mg/Kg	1	4/28/2008 06:52 PM
Surr: p-Terphenyl	72.5	26-127		%REC	1	4/28/2008 06:52 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 11:26 AM
Surr: Bromofluorobenzene (FID)	101	42-142		%REC	1	4/25/2008 11:26 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080424C	QC Batch: E08VS116			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 11:26 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 11:26 AM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 11:26 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 11:26 AM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 11:26 AM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 11:26 AM
Surr: Bromofluorobenzene (PID)	107	71-139		%REC	1	4/25/2008 11:26 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP13
Lab Order:	098430	Collection Date:	4/22/2008 10:50:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-047		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425B	QC Batch: 45230			PrepDate: 4/25/2008		Analyst: CBR
DRO	0.79	0.071		mg/L	1	4/26/2008 04:21 AM
Surr: p-Terphenyl	116	37-134		%REC	1	4/26/2008 04:21 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	0.088	0.050		mg/L	1	4/25/2008 10:36 PM
Surr: Bromofluorobenzene (FID)	103	76-127		%REC	1	4/25/2008 10:36 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	ND	0.50		µg/L	1	4/25/2008 10:36 PM
Ethylbenzene	ND	0.50		µg/L	1	4/25/2008 10:36 PM
m,p-Xylene	ND	1.0		µg/L	1	4/25/2008 10:36 PM
Methyl tert-butyl ether	7.7	0.50		µg/L	1	4/25/2008 10:36 PM
o-Xylene	0.96	0.50		µg/L	1	4/25/2008 10:36 PM
Toluene	ND	0.50		µg/L	1	4/25/2008 10:36 PM
Surr: Bromofluorobenzene (PID)	91.8	82-136		%REC	1	4/25/2008 10:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP14-3
Lab Order:	098430	Collection Date:	4/22/2008 12:01:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-048		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/29/2008 02:09 AM
Surr: p-Terphenyl	86.4	26-127		%REC	1	4/29/2008 02:09 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	6.4	1.0		mg/Kg	1	4/25/2008 05:16 PM
Surr: Bromofluorobenzene (FID)	127	42-142		%REC	1	4/25/2008 05:16 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	32	5.0		µg/Kg	1	4/25/2008 05:16 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 05:16 PM
m,p-Xylene	59	10		µg/Kg	1	4/25/2008 05:16 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 05:16 PM
o-Xylene	5.8	5.0		µg/Kg	1	4/25/2008 05:16 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 05:16 PM
Surr: Bromofluorobenzene (PID)	119	71-139		%REC	1	4/25/2008 05:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP14-4
Lab Order:	098430	Collection Date:	4/22/2008 12:01:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-049		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	5.4	1.0		mg/Kg	1	4/29/2008 02:35 AM
Surr: p-Terphenyl	67.4	26-127		%REC	1	4/29/2008 02:35 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	1.3	1.0		mg/Kg	1	4/25/2008 05:40 PM
Surr: Bromofluorobenzene (FID)	103	42-142		%REC	1	4/25/2008 05:40 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 05:40 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 05:40 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 05:40 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 05:40 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 05:40 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 05:40 PM
Surr: Bromofluorobenzene (PID)	113	71-139		%REC	1	4/25/2008 05:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP14-6
Lab Order:	098430	Collection Date:	4/22/2008 12:01:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-050		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	8.1	1.0		mg/Kg	1	4/29/2008 03:02 AM
Surr: p-Terphenyl	76.4	26-127		%REC	1	4/29/2008 03:02 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 06:04 PM
Surr: Bromofluorobenzene (FID)	107	42-142		%REC	1	4/25/2008 06:04 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 06:04 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 06:04 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 06:04 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 06:04 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 06:04 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 06:04 PM
Surr: Bromofluorobenzene (PID)	113	71-139		%REC	1	4/25/2008 06:04 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP14
Lab Order:	098430	Collection Date:	4/22/2008 12:01:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-051		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425B	QC Batch: 45230			PrepDate: 4/25/2008		Analyst: CBR
DRO	5.4	0.071		mg/L	1	4/26/2008 04:48 AM
Surr: p-Terphenyl	81.0	37-134		%REC	1	4/26/2008 04:48 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)			EPA 8015B(M)			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	14	0.050		mg/L	1	4/25/2008 04:30 PM
Surr: Bromofluorobenzene (FID)	117	76-127		%REC	1	4/25/2008 04:30 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B			EPA 8021B			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	320	0.50		µg/L	1	4/25/2008 04:30 PM
Ethylbenzene	740	0.50		µg/L	1	4/25/2008 04:30 PM
m,p-Xylene	500	1.0		µg/L	1	4/25/2008 04:30 PM
Methyl tert-butyl ether	590	0.50		µg/L	1	4/25/2008 04:30 PM
o-Xylene	4.9	0.50		µg/L	1	4/25/2008 04:30 PM
Toluene	53	0.50		µg/L	1	4/25/2008 04:30 PM
Surr: Bromofluorobenzene (PID)	104	82-136		%REC	1	4/25/2008 04:30 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP15-3
Lab Order:	098430	Collection Date:	4/22/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-052		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	7.9	1.0		mg/Kg	1	4/29/2008 05:37 AM
Surr: p-Terphenyl	73.3	26-127		%REC	1	4/29/2008 05:37 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	1.7	1.0		mg/Kg	1	4/25/2008 06:29 PM
Surr: Bromofluorobenzene (FID)	112	42-142		%REC	1	4/25/2008 06:29 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 06:29 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 06:29 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 06:29 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 06:29 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 06:29 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 06:29 PM
Surr: Bromofluorobenzene (PID)	118	71-139		%REC	1	4/25/2008 06:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP15-4
Lab Order:	098430	Collection Date:	4/22/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-053		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	6.9	1.0		mg/Kg	1	4/29/2008 05:11 AM
Surr: p-Terphenyl	73.1	26-127		%REC	1	4/29/2008 05:11 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	1.6	1.0		mg/Kg	1	4/25/2008 06:53 PM
Surr: Bromofluorobenzene (FID)	113	42-142		%REC	1	4/25/2008 06:53 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 06:53 PM
Ethylbenzene	9.6	5.0		µg/Kg	1	4/25/2008 06:53 PM
m,p-Xylene	13	10		µg/Kg	1	4/25/2008 06:53 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 06:53 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 06:53 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 06:53 PM
Surr: Bromofluorobenzene (PID)	115	71-139		%REC	1	4/25/2008 06:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP15-6
Lab Order:	098430	Collection Date:	4/22/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-054		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	2.3	1.0		mg/Kg	1	4/29/2008 03:27 AM
Surr: p-Terphenyl	73.4	26-127		%REC	1	4/29/2008 03:27 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	1.1	1.0		mg/Kg	1	4/25/2008 07:17 PM
Surr: Bromofluorobenzene (FID)	116	42-142		%REC	1	4/25/2008 07:17 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 07:17 PM
Ethylbenzene	39	5.0		µg/Kg	1	4/25/2008 07:17 PM
m,p-Xylene	38	10		µg/Kg	1	4/25/2008 07:17 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 07:17 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 07:17 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 07:17 PM
Surr: Bromofluorobenzene (PID)	121	71-139		%REC	1	4/25/2008 07:17 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

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ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP15
Lab Order:	098430	Collection Date:	4/22/2008 12:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-055		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425A	QC Batch: 45202			PrepDate: 4/25/2008		Analyst: CBR
DRO	1.0	0.067		mg/L	1	4/25/2008 06:43 PM
Surr: p-Terphenyl	75.7	37-134		%REC	1	4/25/2008 06:43 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	5.3	0.050		mg/L	1	4/25/2008 05:06 PM
Surr: Bromofluorobenzene (FID)	107	76-127		%REC	1	4/25/2008 05:06 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	71	0.50		µg/L	1	4/25/2008 05:06 PM
Ethylbenzene	460	0.50		µg/L	1	4/25/2008 05:06 PM
m,p-Xylene	420	1.0		µg/L	1	4/25/2008 05:06 PM
Methyl tert-butyl ether	190	0.50		µg/L	1	4/25/2008 05:06 PM
o-Xylene	2.4	0.50		µg/L	1	4/25/2008 05:06 PM
Toluene	4.7	0.50		µg/L	1	4/25/2008 05:06 PM
Surr: Bromofluorobenzene (PID)	94.9	82-136		%REC	1	4/25/2008 05:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP19-3
Lab Order:	098430	Collection Date:	4/22/2008 2:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-056		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	1.3	1.0		mg/Kg	1	4/29/2008 03:53 AM
Surr: p-Terphenyl	84.9	26-127		%REC	1	4/29/2008 03:53 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 07:41 PM
Surr: Bromofluorobenzene (FID)	97.3	42-142		%REC	1	4/25/2008 07:41 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425A	QC Batch: E08VS117			PrepDate:		Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 07:41 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 07:41 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 07:41 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 07:41 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 07:41 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 07:41 PM
Surr: Bromofluorobenzene (PID)	105	71-139		%REC	1	4/25/2008 07:41 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP19-6

Lab Order: 098430

Collection Date: 4/22/2008 2:30:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-057

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/29/2008 04:19 AM
Surr: p-Terphenyl	77.0	26-127		%REC	1	4/29/2008 04:19 AM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC2_080425B	QC Batch: E08VS118				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/26/2008 04:12 AM
Surr: Bromofluorobenzene (FID)	103	42-142		%REC	1	4/26/2008 04:12 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC2_080425B	QC Batch: E08VS118				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/26/2008 04:12 AM
Ethylbenzene	ND	5.0		µg/Kg	1	4/26/2008 04:12 AM
m,p-Xylene	ND	10		µg/Kg	1	4/26/2008 04:12 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/26/2008 04:12 AM
o-Xylene	ND	5.0		µg/Kg	1	4/26/2008 04:12 AM
Toluene	ND	5.0		µg/Kg	1	4/26/2008 04:12 AM
Surr: Bromofluorobenzene (PID)	111	71-139		%REC	1	4/26/2008 04:12 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP19
Lab Order:	098430	Collection Date:	4/22/2008 2:30:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-058		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425A	QC Batch: 45202			PrepDate: 4/25/2008		Analyst: CBR
DRO	0.32	0.067		mg/L	1	4/25/2008 07:10 PM
Surr: p-Terphenyl	92.0	37-134		%REC	1	4/25/2008 07:10 PM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	ND	0.050		mg/L	1	4/25/2008 11:06 PM
Surr: Bromofluorobenzene (FID)	104	76-127		%REC	1	4/25/2008 11:06 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	ND	0.50		µg/L	1	4/25/2008 11:06 PM
Ethylbenzene	ND	0.50		µg/L	1	4/25/2008 11:06 PM
m,p-Xylene	ND	1.0		µg/L	1	4/25/2008 11:06 PM
Methyl tert-butyl ether	25	0.50		µg/L	1	4/25/2008 11:06 PM
o-Xylene	ND	0.50		µg/L	1	4/25/2008 11:06 PM
Toluene	ND	0.50		µg/L	1	4/25/2008 11:06 PM
Surr: Bromofluorobenzene (PID)	92.2	82-136		%REC	1	4/25/2008 11:06 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP20-3

Lab Order: 098430

Collection Date: 4/22/2008 3:00:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-059

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080428B	QC Batch: 45270				PrepDate: 4/28/2008	Analyst: CBR
DRO	1.5	1.0		mg/Kg	1	4/29/2008 04:45 AM
Surr: p-Terphenyl	75.2	26-127		%REC	1	4/29/2008 04:45 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/25/2008 08:05 PM
Surr: Bromofluorobenzene (FID)	104	42-142		%REC	1	4/25/2008 08:05 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080425A	QC Batch: E08VS117				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/25/2008 08:05 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/25/2008 08:05 PM
m,p-Xylene	ND	10		µg/Kg	1	4/25/2008 08:05 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/25/2008 08:05 PM
o-Xylene	ND	5.0		µg/Kg	1	4/25/2008 08:05 PM
Toluene	ND	5.0		µg/Kg	1	4/25/2008 08:05 PM
Surr: Bromofluorobenzene (PID)	111	71-139		%REC	1	4/25/2008 08:05 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP20-6
Lab Order:	098430	Collection Date:	4/22/2008 3:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098430-060		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080428B	QC Batch: 45270			PrepDate: 4/28/2008		Analyst: CBR
DRO	23	10		mg/Kg	5	4/29/2008 06:03 AM
Surr: p-Terphenyl	0	26-127	SDO	%REC	5	4/29/2008 06:03 AM
GASOLINE RANGE ORGANICS BY GC/FID						
			EPA 8015B(M)			
RunID: GC2_080429A	QC Batch: E08VS120			PrepDate:		Analyst: KHN
GRO	140	5.0		mg/Kg	5	4/29/2008 03:39 PM
Surr: Bromofluorobenzene (FID)	66.9	42-142		%REC	5	4/29/2008 03:39 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
			EPA 8021B			
RunID: GC2_080429A	QC Batch: E08VS120			PrepDate:		Analyst: KHN
Benzene	ND	25		µg/Kg	5	4/29/2008 03:39 PM
Ethylbenzene	ND	25		µg/Kg	5	4/29/2008 03:39 PM
m,p-Xylene	ND	50		µg/Kg	5	4/29/2008 03:39 PM
Methyl tert-butyl ether	ND	25		µg/Kg	5	4/29/2008 03:39 PM
o-Xylene	ND	25		µg/Kg	5	4/29/2008 03:39 PM
Toluene	ND	25		µg/Kg	5	4/29/2008 03:39 PM
Surr: Bromofluorobenzene (PID)	87.5	71-139		%REC	5	4/29/2008 03:39 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP20
Lab Order:	098430	Collection Date:	4/22/2008 3:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098430-061		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3510C			EPA 8015B(M)			
RunID: GC8_080425B	QC Batch: 45230			PrepDate: 4/25/2008		Analyst: CBR
DRO	1.3	0.071		mg/L	1	4/26/2008 05:15 AM
Surr: p-Terphenyl	90.4	37-134		%REC	1	4/26/2008 05:15 AM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
GRO	8.4	1.0		mg/L	20	4/25/2008 11:36 PM
Surr: Bromofluorobenzene (FID)	117	76-127		%REC	20	4/25/2008 11:36 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC1_080425A	QC Batch: D08VW023			PrepDate:		Analyst: CBB
Benzene	ND	10		µg/L	20	4/25/2008 11:36 PM
Ethylbenzene	ND	10		µg/L	20	4/25/2008 11:36 PM
m,p-Xylene	130	20		µg/L	20	4/25/2008 11:36 PM
Methyl tert-butyl ether	ND	10		µg/L	20	4/25/2008 11:36 PM
o-Xylene	ND	10		µg/L	20	4/25/2008 11:36 PM
Toluene	220	10		µg/L	20	4/25/2008 11:36 PM
Surr: Bromofluorobenzene (PID)	102	82-136		%REC	20	4/25/2008 11:36 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP20-5

Lab Order: 098430

Collection Date: 4/22/2008 3:00:00 PM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098430-065

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC8_080429A	QC Batch: 45283				PrepDate: 4/29/2008	Analyst: CBR
DRO	11	1.0		mg/Kg	1	4/29/2008 01:29 PM
Surr: p-Terphenyl	86.8	26-127		%REC	1	4/29/2008 01:29 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 8015B(M)						
RunID: GC2_080425B	QC Batch: E08VS118				PrepDate:	Analyst: KHN
GRO	4.4	1.0		mg/Kg	1	4/26/2008 05:49 AM
Surr: Bromofluorobenzene (FID)	75.3	42-142		%REC	1	4/26/2008 05:49 AM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B						
RunID: GC2_080425B	QC Batch: E08VS118				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/26/2008 05:49 AM
Ethylbenzene	9.1	5.0		µg/Kg	1	4/26/2008 05:49 AM
m,p-Xylene	18	10		µg/Kg	1	4/26/2008 05:49 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/26/2008 05:49 AM
o-Xylene	6.9	5.0		µg/Kg	1	4/26/2008 05:49 AM
Toluene	ND	5.0		µg/Kg	1	4/26/2008 05:49 AM
Surr: Bromofluorobenzene (PID)	104	71-139		%REC	1	4/26/2008 05:49 AM

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 01-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	Trip Blanks
Lab Order:	098430	Collection Date:	
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	WATER
Lab ID:	098430-072		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_080425A	QC Batch: D08VW023	PrepDate:	Analyst: CBB		
GRO	ND	0.050	mg/L	1	4/25/2008 01:30 PM
Surr: Bromofluorobenzene (FID)	100	76-127	%REC	1	4/25/2008 01:30 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC1_080425A	QC Batch: D08VW023	PrepDate:	Analyst: CBB		
Benzene	ND	0.50	µg/L	1	4/25/2008 01:30 PM
Ethylbenzene	ND	0.50	µg/L	1	4/25/2008 01:30 PM
m,p-Xylene	ND	1.0	µg/L	1	4/25/2008 01:30 PM
Methyl tert-butyl ether	ND	0.50	µg/L	1	4/25/2008 01:30 PM
o-Xylene	ND	0.50	µg/L	1	4/25/2008 01:30 PM
Toluene	ND	0.50	µg/L	1	4/25/2008 01:30 PM
Surr: Bromofluorobenzene (PID)	88.7	82-136	%REC	1	4/25/2008 01:30 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45252A	MBLK	6010_SPB	mg/Kg	4/28/2008	93988						
Client ID: PBS	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448400						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS-45252	LCS	6010_SPB	mg/Kg	4/28/2008	93988						
Client ID: LCSS	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448401						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	252.332	5.0	250.0	0	101	80	120				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098430-023ADUP	DUP	6010_SPB	mg/Kg	4/28/2008	93988						
Client ID: HA9-0	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448412						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.267	5.0						2.317	0	20	

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098430-023AMS	MS	6010_SPB	mg/Kg	4/28/2008	93988						
Client ID: HA9-0	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448413						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	146.709	5.0	250.0	2.317	57.8	45	110				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45452B	MBLK	6010_SPB	mg/Kg	4/28/2008	93988						
Client ID: PBS	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448414						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098430-035AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 94026						
Client ID: HA16-0	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448765						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	152.096	5.0	250.0	3.157	59.6	45	110				

Sample ID: 098430-035ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 94026						
Client ID: HA16-0	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448766						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	3.739	5.0						3.157	0	20	

Sample ID: 098430-035AMSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 94026						
Client ID: HA16-0	Batch ID: 45252	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/30/2008	SeqNo: 1448767						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	155.802	5.0	250.0	3.157	61.1	45	110	152.1	2.41	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: MB-45253A	SampType: MBLK	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: PBS	Batch ID: 45253	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 4/29/2008	SeqNo: 1448155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Sample ID: LCS-45253	SampType: LCS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: LCSS	Batch ID: 45253	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 4/29/2008	SeqNo: 1448156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 244.097 5.0 250.0 0 97.6 80 120

Sample ID: 098430-063ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: HA21-1	Batch ID: 45253	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 4/29/2008	SeqNo: 1448167						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 2.230 5.0 2.343 0 20

Sample ID: 098430-063AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: HA21-1	Batch ID: 45253	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 4/29/2008	SeqNo: 1448168						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 153.922 5.0 250.0 2.343 60.6 45 110

Sample ID: MB-45253B	SampType: MBLK	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: PBS	Batch ID: 45253	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 4/29/2008	SeqNo: 1448169						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 5.0

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098435-003ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: ZZZZZZ	Batch ID: 45253	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/29/2008	SeqNo: 1448180						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	27.971	5.0						28.12	0.545	20	

Sample ID: 098435-003AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: ZZZZZZ	Batch ID: 45253	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/29/2008	SeqNo: 1448181						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	201.387	5.0	250.0	28.12	69.3	45	110				

Sample ID: 098435-003AMSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93983						
Client ID: ZZZZZZ	Batch ID: 45253	TestNo: EPA 6010B EPA 3050M		Analysis Date: 4/29/2008	SeqNo: 1448182						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	194.180	5.0	250.0	28.12	66.4	45	110	201.4	3.64	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: MB-45268	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: PBS	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447013						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	2.896		2.670		108	26	127				

Sample ID: LCS-45268	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: LCSS	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447014						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	22.324	1.0	33.00	0	67.6	27	105				
Surr: p-Terphenyl	2.687		2.670		101	26	127				

Sample ID: 098430-002AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: DP1-5	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447015						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	22.240	1.0	33.00	2.549	59.7	14	102				
Surr: p-Terphenyl	1.753		2.670		65.7	26	127				

Sample ID: 098430-002AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: DP1-5	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447016						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	25.646	1.0	33.00	2.549	70.0	14	102	22.24	14.2	20	
Surr: p-Terphenyl	1.992		2.670		74.6	26	127		0	0	

Sample ID: 098430-002ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: DP1-5	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447017						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	2.080	1.0						2.549	20.3	20	R
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098430-002ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93939						
Client ID: DP1-5	Batch ID: 45268	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 4/28/2008	SeqNo: 1447017							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1.789		2.670		67.0	26	127		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: LCS-45269	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: LCSS	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447141						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	12.968	1.0	33.00	0	39.3	27	105				
Surr: p-Terphenyl	1.128		2.670		42.3	26	127				

Sample ID: MB-45269	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: PBS	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447142						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	1.155		2.670		43.3	26	127				

Sample ID: 098430-018ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: DP7-3	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447151						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	2.961	1.0						1.945	41.5	20	R
Surr: p-Terphenyl	1.997		2.670		74.8	26	127		0	0	

Sample ID: 098430-018AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: DP7-3	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447152						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	24.254	1.0	33.00	1.945	67.6	14	102				
Surr: p-Terphenyl	1.716		2.670		64.3	26	127				

Sample ID: 098430-018AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: DP7-3	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/28/2008	SeqNo: 1447153						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	25.451	1.0	33.00	1.945	71.2	14	102	24.25	4.82	20	
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Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098430-018AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93948						
Client ID: DP7-3	Batch ID: 45269	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 4/28/2008	SeqNo: 1447153							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1.877		2.670		70.3	26	127		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: LCS-45270	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: LCSS	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447028						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	13.377	1.0	33.00	0	40.5	27	105				
Surr: p-Terphenyl	1.276		2.670		47.8	26	127				

Sample ID: MB-45270	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: PBS	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447029						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	1.405		2.670		52.6	26	127				

Sample ID: 098430-059AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: DP20-3	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447030						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	20.899	1.0	33.00	1.475	58.9	14	102				
Surr: p-Terphenyl	2.092		2.670		78.4	26	127				

Sample ID: 098430-059AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: DP20-3	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447031						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	18.138	1.0	33.00	1.475	50.5	14	102	20.90	14.1	20	
Surr: p-Terphenyl	1.970		2.670		73.8	26	127		0	0	

Sample ID: 098430-059ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: DP20-3	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447032						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	1.333	1.0						1.475	10.1	20	
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098430-059ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/28/2008	RunNo: 93940						
Client ID: DP20-3	Batch ID: 45270	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 4/29/2008	SeqNo: 1447032							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	2.141		2.670		80.2	26	127		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: MB-45283	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: PBS	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447443						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	1.818		2.670		68.1	26	127				

Sample ID: LCS-45283	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: LCSS	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447444						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	28.005	1.0	33.00	0	84.9	27	105				
Surr: p-Terphenyl	2.078		2.670		77.8	26	127				

Sample ID: 098430-065AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: DP20-5	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447445						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	54.275	1.0	33.00	10.55	133	14	102				S
Surr: p-Terphenyl	2.133		2.670		79.9	26	127				

Sample ID: 098430-065AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: DP20-5	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447446						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	68.900	1.0	33.00	10.55	177	14	102	54.27	23.7	20	SR
Surr: p-Terphenyl	2.292		2.670		85.8	26	127		0	0	

Sample ID: 098430-065ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: DP20-5	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 4/29/2008	SeqNo: 1447447						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	54.337	1.0						10.55	135	20	R
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098430-065ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/29/2008	RunNo: 93962						
Client ID: DP20-5	Batch ID: 45283	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 4/29/2008	SeqNo: 1447447							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	2.271		2.670		85.0	26	127		0	0	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: 098430-005AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: DP2-6	Batch ID: E08VS115	TestNo: EPA 8015B(M)	Analysis Date: 4/24/2008	SeqNo: 1444961							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.944	1.0	5.000	0.2910	93.1	33	120				
Surr: Bromofluorobenzene (FID)	100.901		100.0		101	42	142				

Sample ID: 098430-005AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: DP2-6	Batch ID: E08VS115	TestNo: EPA 8015B(M)	Analysis Date: 4/24/2008	SeqNo: 1444962							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.702	1.0	5.000	0.2910	88.2	33	120	4.944	5.02	20	
Surr: Bromofluorobenzene (FID)	100.983		100.0		101	42	142		0	20	

Sample ID: 098430-005ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: DP2-6	Batch ID: E08VS115	TestNo: EPA 8015B(M)	Analysis Date: 4/24/2008	SeqNo: 1444963							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.207	1.0						0.2910	0	20	
Surr: Bromofluorobenzene (FID)	101.560		100.0		102	42	142		0	0	

Sample ID: E080424MB3	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: PBS	Batch ID: E08VS115	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1444973							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	99.844		100.0		99.8	42	142				

Sample ID: E080424LCS3	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: LCSS	Batch ID: E08VS115	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1444974							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.460	1.0	5.000	0	89.2	74	108				
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080424LCS3	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93831						
Client ID: LCSS	Batch ID: E08VS115	TestNo: EPA 8015B(M)		Analysis Date: 4/25/2008	SeqNo: 1444974						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	99.201		100.0		99.2	42	142				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080424MB4	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: PBS	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445362							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	100.287		100.0		100	42	142				

Sample ID: 098430-039AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445364							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.274	1.0	5.000	0	85.5	33	120				
Surr: Bromofluorobenzene (FID)	100.596		100.0		101	42	142				

Sample ID: 098430-039AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445365							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.769	1.0	5.000	0	95.4	33	120	4.274	10.9	20	
Surr: Bromofluorobenzene (FID)	99.563		100.0		99.6	42	142		0	20	

Sample ID: 098430-039ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445366							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	102.089		100.0		102	42	142		0	0	

Sample ID: E080424LCS5	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: LCSS	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445376							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.422	1.0	5.000	0	88.4	74	108				
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Qualifiers:

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| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080424LCS5	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93860						
Client ID: LCSS	Batch ID: E08VS116	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1445376							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	100.550		100.0		101	42	142				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080425MB1	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: PBS	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446012							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.392	1.0									
Surr: Bromofluorobenzene (FID)	101.314		100.0		101	42	142				

Sample ID: 098430-038AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446014							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.579	1.0	5.000	0	91.6	33	120				
Surr: Bromofluorobenzene (FID)	100.328		100.0		100	42	142				

Sample ID: 098430-038AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446015							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.642	1.0	5.000	0	92.8	33	120	4.579	1.37	20	
Surr: Bromofluorobenzene (FID)	100.491		100.0		100	42	142		0	20	

Sample ID: 098430-038ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446016							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	99.835		100.0		99.8	42	142		0	0	

Sample ID: E080425LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: LCSS	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446035							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.455	1.0	5.000	0.3920	81.3	74	108				
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080425LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93896						
Client ID: LCSS	Batch ID: E08VS117	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446035							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	103.264		100.0		103	42	142				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080425MB2	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: PBS	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446627							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	100.636		100.0		101	42	142				

Sample ID: 098430-057AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: DP19-6	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446629							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.683	1.0	5.000	0	93.7	33	120				
Surr: Bromofluorobenzene (FID)	100.243		100.0		100	42	142				

Sample ID: 098430-057AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: DP19-6	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446630							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.659	1.0	5.000	0	93.2	33	120	4.683	0.514	20	
Surr: Bromofluorobenzene (FID)	99.494		100.0		99.5	42	142		0	20	

Sample ID: 098430-057ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: DP19-6	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446631							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	102.447		100.0		102	42	142		0	0	

Sample ID: E080425LCS3	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: LCSS	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446634							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.440	1.0	5.000	0	88.8	74	108				
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080425LCS3	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93926						
Client ID: LCSS	Batch ID: E08VS118	TestNo: EPA 8015B(M)	Analysis Date: 4/26/2008	SeqNo: 1446634							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	103.953		100.0		104	42	142				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: 098482-001AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: ZZZZZZ	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447731							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.910	1.0	5.000	0	98.2	33	120				
Surr: Bromofluorobenzene (FID)	101.799		100.0		102	42	142				

Sample ID: 098482-001AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: ZZZZZZ	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447732							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.688	1.0	5.000	0	93.8	33	120	4.910	4.63	20	
Surr: Bromofluorobenzene (FID)	103.417		100.0		103	42	142		0	20	

Sample ID: 098482-001ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: ZZZZZZ	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447733							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	101.604		100.0		102	42	142		0	0	

Sample ID: E080429MB2	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: PBS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447737							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	101.185		100.0		101	42	142				

Sample ID: E080429LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447738							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.554	1.0	5.000	0	91.1	74	108				
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098430

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080429LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447738							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	102.650		100.0		103	42	142				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL LL

Sample ID: MB-45202	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93898						
Client ID: PBW	Batch ID: 45202	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446074						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	0.050									
Surr: p-Terphenyl	0.081		0.08000		101	37	134				

Sample ID: LCS-45202	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93898						
Client ID: LCSW	Batch ID: 45202	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446075						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.695	0.050	1.000	0	69.5	43	105				
Surr: p-Terphenyl	0.064		0.08000		79.4	37	134				

Sample ID: MB-45202MS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93898						
Client ID: ZZZZZZ	Batch ID: 45202	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446076						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.775	0.050	1.000	0	77.5	43	105				
Surr: p-Terphenyl	0.070		0.08000		87.5	37	134				

Sample ID: MB-45202MSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93898						
Client ID: ZZZZZZ	Batch ID: 45202	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446077						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.741	0.050	1.000	0	74.1	43	105	0.7751	4.53	20	
Surr: p-Terphenyl	0.069		0.08000		85.8	37	134		0	0	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL LL

Sample ID: MB-45230	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93911						
Client ID: PBW	Batch ID: 45230	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446393						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	0.050									
Surr: p-Terphenyl	0.083		0.08000		104	37	134				

Sample ID: LCS-45230	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93911						
Client ID: LCSW	Batch ID: 45230	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446394						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.821	0.050	1.000	0	82.1	43	105				
Surr: p-Terphenyl	0.077		0.08000		95.7	37	134				

Sample ID: MB-45230	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93911						
Client ID: ZZZZZZ	Batch ID: 45230	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446395						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	1.020	0.050	1.000	0	102	43	105				
Surr: p-Terphenyl	0.094		0.08000		117	37	134				

Sample ID: MB-45230	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/25/2008	RunNo: 93911						
Client ID: ZZZZZZ	Batch ID: 45230	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 4/25/2008	SeqNo: 1446396						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.894	0.050	1.000	0	89.4	43	105	1.020	13.2	20	
Surr: p-Terphenyl	0.081		0.08000		102	37	134		0	0	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: D042508MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: PBW	Batch ID: D08VW023	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446259							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	98.344		100.0		98.3	76	127				

Sample ID: D042508MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: ZZZZZ	Batch ID: D08VW023	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446260							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.866	0.050	1.000	0	86.6	77	122				
Surr: Bromofluorobenzene (FID)	110.104		100.0		110	76	127				

Sample ID: D042508MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: ZZZZZ	Batch ID: D08VW023	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446261							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.860	0.050	1.000	0	86.0	77	122	0.8660	0.695	20	
Surr: Bromofluorobenzene (FID)	109.234		100.0		109	76	127		0	0	

Sample ID: D042508LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93903						
Client ID: LCSW	Batch ID: D08VW023	TestNo: EPA 8015B(M)	Analysis Date: 4/25/2008	SeqNo: 1446270							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.948	0.050	1.000	0	94.8	77	122				
Surr: Bromofluorobenzene (FID)	119.186		100.0		119	76	127				

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098430-005AMS		SampType: MS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93831	
Client ID: DP2-6		Batch ID: E08VS115		TestNo: EPA 8021B		Analysis Date: 4/24/2008		SeqNo: 1444976			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	31.573	5.0	35.75	0	88.3	39	113				
Ethylbenzene	33.864	5.0	49.65	0	68.2	38	112				
m,p-Xylene	159.195	10	199.6	0	79.8	42	110				
Methyl tert-butyl ether	558.302	5.0	578.9	0	96.4	51	131				
o-Xylene	62.002	5.0	78.40	0	79.1	35	100				
Toluene	156.826	5.0	172.2	0	91.0	50	110				
Xylenes, Total	221.197	15	278.0	0	79.6	70	130				
Surr: Bromofluorobenzene (PID)	111.227		100.0		111	71	139				

Sample ID: 098430-005AMSD		SampType: MSD		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93831	
Client ID: DP2-6		Batch ID: E08VS115		TestNo: EPA 8021B		Analysis Date: 4/24/2008		SeqNo: 1444977			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.930	5.0	35.75	0	83.7	39	113	31.57	5.34	20	
Ethylbenzene	33.227	5.0	49.65	0	66.9	38	112	33.86	1.90	20	
m,p-Xylene	160.152	10	199.6	0	80.3	42	110	159.2	0.599	20	
Methyl tert-butyl ether	547.339	5.0	578.9	0	94.6	51	131	558.3	1.98	20	
o-Xylene	60.529	5.0	78.40	0	77.2	35	100	62.00	2.40	20	
Toluene	153.049	5.0	172.2	0	88.9	50	110	156.8	2.44	20	
Xylenes, Total	220.681	15	278.0	0	79.4	70	130	221.2	0.234	20	
Surr: Bromofluorobenzene (PID)	116.161		100.0		116	71	139		0	20	

Sample ID: 098430-005ADUP		SampType: DUP		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93831	
Client ID: DP2-6		Batch ID: E08VS115		TestNo: EPA 8021B		Analysis Date: 4/24/2008		SeqNo: 1444978			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098430-005ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93831						
Client ID: DP2-6	Batch ID: E08VS115	TestNo: EPA 8021B		Analysis Date: 4/24/2008	SeqNo: 1444978						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	108.549		100.0		109	71	139		0	20	

Sample ID: E080424MB3	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93831						
Client ID: PBS	Batch ID: E08VS115	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1444988						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	110.334		100.0		110	71	139				

Sample ID: E080424LCS4	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93831						
Client ID: LCSS	Batch ID: E08VS115	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1444989						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	103.904	5.0	100.0	0	104	81	115				
Ethylbenzene	104.946	5.0	100.0	0	105	82	116				
m,p-Xylene	217.866	10	200.0	0	109	83	120				
Methyl tert-butyl ether	100.131	5.0	100.0	0	100	72	123				
o-Xylene	106.737	5.0	100.0	0	107	84	120				
Toluene	107.957	5.0	100.0	0	108	82	118				
Surr: Bromofluorobenzene (PID)	110.800		100.0		111	71	139				

Qualifiers:

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|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: E080424MB4	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: PBS	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	109.062		100.0		109	71	139				

Sample ID: 098430-039AMS	SampType: MS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445422						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	28.784	5.0	35.75	0	80.5	39	113				
Ethylbenzene	30.658	5.0	49.65	0	61.7	38	112				
m,p-Xylene	141.288	10	199.6	0	70.8	42	110				
Methyl tert-butyl ether	494.770	5.0	578.9	0	85.5	51	131				
o-Xylene	51.226	5.0	78.40	0	65.3	35	100				
Toluene	143.802	5.0	172.2	1.592	82.6	50	110				
Surr: Bromofluorobenzene (PID)	116.447		100.0		116	71	139				

Sample ID: 098430-039AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445423						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	31.101	5.0	35.75	0	87.0	39	113	28.78	7.74	20	
Ethylbenzene	32.514	5.0	49.65	0	65.5	38	112	30.66	5.88	20	
m,p-Xylene	154.540	10	199.6	0	77.4	42	110	141.3	8.96	20	
Methyl tert-butyl ether	536.033	5.0	578.9	0	92.6	51	131	494.8	8.01	20	
o-Xylene	54.283	5.0	78.40	0	69.2	35	100	51.23	5.79	20	
Toluene	151.755	5.0	172.2	1.592	87.2	50	110	143.8	5.38	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098430-039AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445423						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	116.225		100.0		116	71	139		0	20	

Sample ID: 098430-039ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: DP13-4	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445424						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	3.064	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						1.592	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	108.320		100.0		108	71	139		0	20	

Sample ID: E080424LCS6	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93860						
Client ID: LCSS	Batch ID: E08VS116	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1445434						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	107.732	5.0	100.0	0	108	81	115				
Ethylbenzene	106.658	5.0	100.0	0	107	82	116				
m,p-Xylene	217.936	10	200.0	0	109	83	120				
Methyl tert-butyl ether	98.687	5.0	100.0	0	98.7	72	123				
o-Xylene	109.957	5.0	100.0	0	110	84	120				
Toluene	111.279	5.0	100.0	0	111	82	118				
Surr: Bromofluorobenzene (PID)	111.400		100.0		111	71	139				

Qualifiers:

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|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: E080425MB1	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: PBS	Batch ID: E08VS117	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1446036						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	1.790	5.0									
Surr: Bromofluorobenzene (PID)	109.744		100.0		110	71	139				

Sample ID: 098430-038AMS	SampType: MS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1446038						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	30.702	5.0	35.75	0	85.9	39	113				
Ethylbenzene	40.202	5.0	49.65	0	81.0	38	112				
m,p-Xylene	168.999	10	199.6	0	84.7	42	110				
Methyl tert-butyl ether	573.424	5.0	578.9	0	99.1	51	131				
o-Xylene	62.325	5.0	78.40	0	79.5	35	100				
Toluene	160.387	5.0	172.2	2.172	91.9	50	110				
Xylenes, Total	231.324	15	278.0	0	83.2	70	130				
Surr: Bromofluorobenzene (PID)	113.957		100.0		114	71	139				

Sample ID: 098430-038AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1446039						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	30.095	5.0	35.75	0	84.2	39	113	30.70	2.00	20
Ethylbenzene	34.167	5.0	49.65	0	68.8	38	112	40.20	16.2	20
m,p-Xylene	162.348	10	199.6	0	81.4	42	110	169.0	4.01	20
Methyl tert-butyl ether	553.372	5.0	578.9	0	95.6	51	131	573.4	3.56	20
o-Xylene	56.990	5.0	78.40	0	72.7	35	100	62.32	8.94	20

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098430-038AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8021B	Analysis Date: 4/25/2008	SeqNo: 1446039							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	158.280	5.0	172.2	2.172	90.6	50	110	160.4	1.32	20	
Xylenes, Total	219.338	15	278.0	0	78.9	70	130	231.3	5.32	20	
Surr: Bromofluorobenzene (PID)	110.898		100.0		111	71	139		0	20	

Sample ID: 098430-038ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: DP13-3	Batch ID: E08VS117	TestNo: EPA 8021B	Analysis Date: 4/25/2008	SeqNo: 1446040							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.207	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	2.644	5.0						2.172	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	107.748		100.0		108	71	139		0	20	

Sample ID: E080425LCS2	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93896						
Client ID: LCSS	Batch ID: E08VS117	TestNo: EPA 8021B	Analysis Date: 4/26/2008	SeqNo: 1446058							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	108.812	5.0	100.0	0	109	81	115				
Ethylbenzene	109.411	5.0	100.0	0	109	82	116				
m,p-Xylene	225.411	10	200.0	0	113	83	120				
Methyl tert-butyl ether	100.383	5.0	100.0	0	100	72	123				
o-Xylene	111.908	5.0	100.0	0	112	84	120				
Toluene	112.492	5.0	100.0	1.790	111	82	118				
Surr: Bromofluorobenzene (PID)	113.372		100.0		113	71	139				

Qualifiers:

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|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: E080425MB2	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93926						
Client ID: PBS	Batch ID: E08VS118	TestNo: EPA 8021B		Analysis Date: 4/26/2008	SeqNo: 1446635						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	1.109	5.0									
Surr: Bromofluorobenzene (PID)	109.820		100.0		110	71	139				

Sample ID: 098430-057AMS	SampType: MS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93926						
Client ID: DP19-6	Batch ID: E08VS118	TestNo: EPA 8021B		Analysis Date: 4/26/2008	SeqNo: 1446637						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	29.521	5.0	35.75	0	82.6	39	113				
Ethylbenzene	32.259	5.0	49.65	0	65.0	38	112				
m,p-Xylene	154.807	10	199.6	0	77.6	42	110				
Methyl tert-butyl ether	518.320	5.0	578.9	2.151	89.2	51	131				
o-Xylene	59.726	5.0	78.40	0	76.2	35	100				
Toluene	152.734	5.0	172.2	0	88.7	50	110				
Xylenes, Total	214.533	15	278.0	0	77.2	70	130				
Surr: Bromofluorobenzene (PID)	118.667		100.0		119	71	139				

Sample ID: 098430-057AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93926						
Client ID: DP19-6	Batch ID: E08VS118	TestNo: EPA 8021B		Analysis Date: 4/26/2008	SeqNo: 1446638						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	29.231	5.0	35.75	0	81.8	39	113	29.52	0.987	20
Ethylbenzene	32.282	5.0	49.65	0	65.0	38	112	32.26	0.0713	20
m,p-Xylene	153.646	10	199.6	0	77.0	42	110	154.8	0.753	20
Methyl tert-butyl ether	535.683	5.0	578.9	2.151	92.2	51	131	518.3	3.29	20
o-Xylene	57.986	5.0	78.40	0	74.0	35	100	59.73	2.96	20

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098430-057AMSD		SampType: MSD		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93926	
Client ID: DP19-6		Batch ID: E08VS118		TestNo: EPA 8021B		Analysis Date: 4/26/2008		SeqNo: 1446638			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	149.584	5.0	172.2	0	86.8	50	110	152.7	2.08	20	
Xylenes, Total	211.632	15	278.0	0	76.1	70	130	214.5	1.36	20	
Surr: Bromofluorobenzene (PID)	117.307		100.0		117	71	139		0	20	

Sample ID: 098430-057ADUP		SampType: DUP		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93926	
Client ID: DP19-6		Batch ID: E08VS118		TestNo: EPA 8021B		Analysis Date: 4/26/2008		SeqNo: 1446639			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						2.151	0	20	
o-Xylene	1.819	5.0						0	0	20	
Toluene	1.166	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	111.744		100.0		112	71	139		0	20	

Sample ID: E080425LCS4		SampType: LCS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93926	
Client ID: LCSS		Batch ID: E08VS118		TestNo: EPA 8021B		Analysis Date: 4/26/2008		SeqNo: 1446642			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	113.057	5.0	100.0	0	113	81	115				
Ethylbenzene	111.916	5.0	100.0	0	112	82	116				
m,p-Xylene	231.280	10	200.0	0	116	83	120				
Methyl tert-butyl ether	104.202	5.0	100.0	0	104	72	123				
o-Xylene	116.419	5.0	100.0	0	116	84	120				
Toluene	115.778	5.0	100.0	1.109	115	82	118				
Surr: Bromofluorobenzene (PID)	118.480		100.0		118	71	139				

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-001AMS		SampType: MS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: ZZZZZZ		Batch ID: E08VS120		TestNo: EPA 8021B				Analysis Date: 4/29/2008		SeqNo: 1447755	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.964	5.0	35.75	0	86.6	39	113				
Ethylbenzene	34.518	5.0	49.65	0	69.5	38	112				
m,p-Xylene	157.636	10	199.6	0	79.0	42	110				
Methyl tert-butyl ether	576.079	5.0	578.9	0	99.5	51	131				
o-Xylene	60.972	5.0	78.40	0	77.8	35	100				
Toluene	156.561	5.0	172.2	0	90.9	50	110				
Surr: Bromofluorobenzene (PID)	117.368		100.0		117	71	139				

Sample ID: 098482-001AMSD		SampType: MSD		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: ZZZZZZ		Batch ID: E08VS120		TestNo: EPA 8021B				Analysis Date: 4/29/2008		SeqNo: 1447756	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.306	5.0	35.75	0	82.0	39	113	30.96	5.50	20	
Ethylbenzene	33.316	5.0	49.65	0	67.1	38	112	34.52	3.54	20	
m,p-Xylene	157.344	10	199.6	0	78.8	42	110	157.6	0.185	20	
Methyl tert-butyl ether	524.250	5.0	578.9	0	90.6	51	131	576.1	9.42	20	
o-Xylene	61.789	5.0	78.40	0	78.8	35	100	60.97	1.33	20	
Toluene	149.445	5.0	172.2	0	86.8	50	110	156.6	4.65	20	
Surr: Bromofluorobenzene (PID)	118.670		100.0		119	71	139		0	20	

Sample ID: 098482-001ADUP		SampType: DUP		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: ZZZZZZ		Batch ID: E08VS120		TestNo: EPA 8021B				Analysis Date: 4/29/2008		SeqNo: 1447757	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-001ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93984						
Client ID: ZZZZZZ	Batch ID: E08VS120	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447757						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Bromofluorobenzene (PID)	108.229	100.0	108	71	139	0	20
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Sample ID: E080429MB2	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93984						
Client ID: PBS	Batch ID: E08VS120	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447799						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0					
Ethylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
o-Xylene	ND	5.0					
Toluene	ND	5.0					
Surr: Bromofluorobenzene (PID)	107.863	100.0	108	71	139		

Sample ID: E080429LCS2	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 93984						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447805						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	106.934	5.0	100.0	0	107	81	115
Ethylbenzene	110.767	5.0	100.0	0	111	82	116
m,p-Xylene	225.172	10	200.0	0	113	83	120
Methyl tert-butyl ether	103.418	5.0	100.0	0	103	72	123
o-Xylene	113.607	5.0	100.0	0	114	84	120
Toluene	108.981	5.0	100.0	0	109	82	118
Surr: Bromofluorobenzene (PID)	113.346	100.0			113	71	139

Qualifiers:

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out	Calculations are based on raw values	

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: D042508MB2	SampType: MBLK	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 93903						
Client ID: PBW	Batch ID: D08VW023	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1446301						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.50									
Toluene	0.482	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
Surr: Bromofluorobenzene (PID)	86.723		100.0		86.7	82	136				

Sample ID: D042508LCS2	SampType: LCS	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 93903						
Client ID: LCSW	Batch ID: D08VW023	TestNo: EPA 8021B		Analysis Date: 4/25/2008	SeqNo: 1446308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	92.470	0.50	100.0	0	92.5	59	129				
Toluene	96.784	0.50	100.0	0.4820	96.3	68	122				
Ethylbenzene	99.362	0.50	100.0	0	99.4	64	128				
m,p-Xylene	196.174	1.0	200.0	0	98.1	71	124				
o-Xylene	98.174	0.50	100.0	0	98.2	62	124				
Methyl tert-butyl ether	83.907	0.50	100.0	0	83.9	74	133				
Surr: Bromofluorobenzene (PID)	93.043		100.0		93.0	82	136				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: KS080425LCS4	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: LCSS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445746						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.960	5.0	50.00	0	106	70	130				
Benzene	50.410	5.0	50.00	0	101	70	130				
Chlorobenzene	50.470	5.0	50.00	0	101	70	130				
MTBE	55.420	5.0	50.00	0	111	70	130				
Toluene	50.530	5.0	50.00	1.110	98.8	70	130				
Trichloroethene	49.580	5.0	50.00	0	99.2	70	130				
Surr: 1,2-Dichloroethane-d4	51.640		50.00		103	70	130				
Surr: 4-Bromofluorobenzene	51.450		50.00		103	70	130				
Surr: Dibromofluoromethane	55.840		50.00		112	70	130				
Surr: Toluene-d8	47.180		50.00		94.4	70	130				

Sample ID: KS080425MB5	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: PBS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445748						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: KS080425MB5	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: PBS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445748						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: KS080425MB5	SampType: MBLK	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: PBS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445748						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.110	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	53.360		50.00		107	70	130				
Surr: 4-Bromofluorobenzene	44.880		50.00		89.8	70	130				
Surr: Dibromofluoromethane	55.840		50.00		112	70	130				
Surr: Toluene-d8	48.010		50.00		96.0	70	130				

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	

Qualifiers:

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|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445750						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl Tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S

Sample ID: 098430-013ADUP		SampType: DUP		TestCode: 8260_S		Units: µg/Kg		Prep Date:		RunNo: 93879	
Client ID: DP4-6		Batch ID: K08VS182		TestNo: EPA 8260B		Analysis Date: 4/26/2008				SeqNo: 1445750	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	54.140		50.00		108	70	130		0	20	
Surr: 4-Bromofluorobenzene	43.950		50.00		87.9	70	130		0	20	
Surr: Dibromofluoromethane	58.350		50.00		117	70	130		0	20	
Surr: Toluene-d8	51.170		50.00		102	70	130		0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080425LCS4		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93879	
Client ID: LCSS		Batch ID: K08VS182		TestNo: EPA 8260B		Analysis Date: 4/26/2008		SeqNo: 1445730			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.960	5.0	50.00	0	106	70	130				
Benzene	50.410	5.0	50.00	0	101	70	130				
Chlorobenzene	50.470	5.0	50.00	0	101	70	130				
MTBE	55.420	5.0	50.00	0	111	70	130				
Toluene	50.530	5.0	50.00	1.110	98.8	70	130				
Trichloroethene	49.580	5.0	50.00	0	99.2	70	130				
Surr: 1,2-Dichloroethane-d4	51.640		50.00		103	70	130				
Surr: 4-Bromofluorobenzene	51.450		50.00		103	70	130				
Surr: Dibromofluoromethane	55.840		50.00		112	70	130				
Surr: Toluene-d8	47.180		50.00		94.4	70	130				

Sample ID: KS080425MB5		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93879	
Client ID: PBS		Batch ID: K08VS182		TestNo: EPA 8260B		Analysis Date: 4/26/2008		SeqNo: 1445733			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

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|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080425MB5	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: PBS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080425MB5	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: PBS	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445733						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	1.110	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	53.360		50.00		107	70	130				
Surr: 4-Bromofluorobenzene	44.880		50.00		89.8	70	130				
Surr: Dibromofluoromethane	55.840		50.00		112	70	130				
Surr: Toluene-d8	48.010		50.00		96.0	70	130				

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Butanone	ND	50						0	0	20	
2-Chloroethyl vinyl ether	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
2-Hexanone	ND	50						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
4-Methyl-2-pentanone	ND	50						0	0	20	
Acetone	ND	50						0	0	20	
Acrolein	ND	50						0	0	20	
Acrylonitrile	ND	50						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromochloromethane	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon disulfide	ND	5.0						0	0	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098430-013ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93879						
Client ID: DP4-6	Batch ID: K08VS182	TestNo: EPA 8260B		Analysis Date: 4/26/2008	SeqNo: 1445737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Cyclohexanone	ND	50						0	0	20	
Di-isopropyl ether	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethyl Acetate	ND	50						0	0	20	
Ethyl Ether	ND	50						0	0	20	
Ethyl Tert-butyl ether	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Freon-113	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Iodomethane	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
Tert-amyl methyl ether	ND	5.0						0	0	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tert-Butanol	ND	100						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
trans-1,3-Dichloropropene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl acetate	ND	50						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: 1,2-Dichloroethane-d4	54.140		50.00		108	70	130		0	20	
Surr: 4-Bromofluorobenzene	43.950		50.00		87.9	70	130		0	20	
Surr: Dibromofluoromethane	58.350		50.00		117	70	130		0	20	
Surr: Toluene-d8	51.170		50.00		102	70	130		0	20	

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080430LCS1		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93994	
Client ID: LCSS		Batch ID: K08VS190		TestNo: EPA 8260B				Analysis Date: 4/30/2008		SeqNo: 1447979	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	49.910	5.0	50.00	0	99.8	70	130				
Benzene	47.640	5.0	50.00	0	95.3	70	130				
Chlorobenzene	49.850	5.0	50.00	0	99.7	70	130				
MTBE	50.520	5.0	50.00	0	101	70	130				
Toluene	51.390	5.0	50.00	0	103	70	130				
Trichloroethene	47.610	5.0	50.00	0	95.2	70	130				
Surr: 1,2-Dichloroethane-d4	46.160		50.00		92.3	70	130				
Surr: 4-Bromofluorobenzene	48.360		50.00		96.7	70	130				
Surr: Dibromofluoromethane	48.690		50.00		97.4	70	130				
Surr: Toluene-d8	46.840		50.00		93.7	70	130				

Sample ID: KS080430MB1MS		SampType: MS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93994	
Client ID: ZZZZZ		Batch ID: K08VS190		TestNo: EPA 8260B				Analysis Date: 4/30/2008		SeqNo: 1447980	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.840	5.0	50.00	0	104	70	130				
Benzene	50.610	5.0	50.00	0	101	70	130				
Chlorobenzene	49.990	5.0	50.00	0	100	70	130				
MTBE	53.400	5.0	50.00	0	107	70	130				
Toluene	53.630	5.0	50.00	0	107	70	130				
Trichloroethene	48.330	5.0	50.00	0	96.7	70	130				
Surr: 1,2-Dichloroethane-d4	46.590		50.00		93.2	70	130				
Surr: 4-Bromofluorobenzene	46.790		50.00		93.6	70	130				
Surr: Dibromofluoromethane	49.010		50.00		98.0	70	130				
Surr: Toluene-d8	47.740		50.00		95.5	70	130				

Sample ID: KS080430MB1MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93994	
Client ID: ZZZZZ		Batch ID: K08VS190		TestNo: EPA 8260B				Analysis Date: 4/30/2008		SeqNo: 1447981	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080430MB1MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93994	
Client ID: ZZZZZZ		Batch ID: K08VS190		TestNo: EPA 8260B		Analysis Date: 4/30/2008		SeqNo: 1447981			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.500	5.0	50.00	0	103	70	130	51.84	0.658	20	
Benzene	49.950	5.0	50.00	0	99.9	70	130	50.61	1.31	20	
Chlorobenzene	50.340	5.0	50.00	0	101	70	130	49.99	0.698	20	
MTBE	53.190	5.0	50.00	0	106	70	130	53.40	0.394	20	
Toluene	51.700	5.0	50.00	0	103	70	130	53.63	3.66	20	
Trichloroethene	49.610	5.0	50.00	0	99.2	70	130	48.33	2.61	20	
Surr: 1,2-Dichloroethane-d4	49.320		50.00		98.6	70	130		0	20	
Surr: 4-Bromofluorobenzene	49.620		50.00		99.2	70	130		0	20	
Surr: Dibromofluoromethane	51.460		50.00		103	70	130		0	20	
Surr: Toluene-d8	47.820		50.00		95.6	70	130		0	20	

Sample ID: KS080430MB1		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93994	
Client ID: PBS		Batch ID: K08VS190		TestNo: EPA 8260B		Analysis Date: 4/30/2008		SeqNo: 1447982			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out	Calculations are based on raw values	

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080430MB1	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93994						
Client ID: PBS	Batch ID: K08VS190	TestNo: EPA 8260B		Analysis Date: 4/30/2008	SeqNo: 1447982						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098430
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080430MB1	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93994						
Client ID: PBS	Batch ID: K08VS190	TestNo: EPA 8260B	Analysis Date: 4/30/2008	SeqNo: 1447982							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	46.750		50.00		93.5	70	130				
Surr: 4-Bromofluorobenzene	41.210		50.00		82.4	70	130				
Surr: Dibromofluoromethane	50.490		50.00		101	70	130				
Surr: Toluene-d8	46.050		50.00		92.1	70	130				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
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CHAIN OF CUSTODY RECORD



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: f Date: 4/21/08

Method of Transport
Client
ATL
CA OverN
FedEx
Other: _____

Sample Condition Upon Receipt
1. CHILLED Y N 4. SEALED Y N
2. HEADSPACE (VOA) Y N 5. # OF SPLS MATCH COC Y N
3. CONTAINER INTACT Y N 6. PRESERVED Y N

Client: Geocon Consultants, Inc. Address: 3160 Gold Valley Dr, Suit 800 Tel: 916.852.9118
Attention: Alfred Worcester City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL Project #: 69300-06-38 Sampler: Alfred Worcester, Lance Fisher (Signature)

Relinquished by: (Signature and Printed Name) Alfred Worcester Date: 4/23/08 Time: 10:00 Received by: Golden State Overnight Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) Jul Date: 4/24/08 Time: 10:00

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Alfred P. Worcester 4/22/08
Send Report To: Attn: _____ Co: Same as above
Bill To: Attn: _____ Co: Same as above
Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
■ Sample: \$2.00 / sample /mo (after 45 days)
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC						
	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270c (BNA)	8010B (Total Metal)	8015B (SRO) / 8020 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (8010 / 7000)	Total Lead (8010B)	SOIL			WATER	GROUND WATER	WASTEWATER	RTNE <input type="checkbox"/>	CT <input checked="" type="checkbox"/>	SWRCB Logcode <input type="checkbox"/>

I T E M	LAB USE ONLY:		Sample Description			
	Batch #:	Sample ID / Location	Date	Time		
	078430 -	DP 1-10 } <u>Excuse</u>	4.21.08	10:00		
		DP 1-10 } <u>Excuse</u>		↓		
	-4	DP 2-3 } <u>Tube</u>		11:00		
		DP 2-3 } <u>Excuse</u>		↓		
		DP 2-3 } <u>Excuse</u>		↓		
	-5	DP 2-6 } <u>Tube</u>		↓		
		DP 2-6 } <u>Excuse</u>		↓		
		DP 2-6 } <u>Excuse</u>		↓		
		DP 2-6 } <u>Excuse</u>		↓		

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays

Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

CHAIN OF CUSTODY RECORD



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: f Date: 4/24/08

Method of Transport

- Client
- ATL
- CA OverN
- FedEx
- Other: _____

Sample Condition Upon Receipt

- | | | | |
|---------------------|---|------------------------|---|
| 1. CHILLED | Y <input type="checkbox"/> N <input type="checkbox"/> | 4. SEALED | Y <input type="checkbox"/> N <input type="checkbox"/> |
| 2. HEADSPACE (VOA) | Y <input type="checkbox"/> N <input type="checkbox"/> | 5. # OF SPLS MATCH COC | Y <input type="checkbox"/> N <input type="checkbox"/> |
| 3. CONTAINER INTACT | Y <input type="checkbox"/> N <input type="checkbox"/> | 6. PRESERVED | Y <input type="checkbox"/> N <input type="checkbox"/> |

Client: Geocon Consultants, Inc.

Address: 3160 Gold Valley Dr, Suit 800

Tel: 916.852.9118

Attention: Alfred Worcester

City: Rancho Cordova

State: CA

Zip Code: 95742

Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL Project #: S9300-06-38 Sampler: Alfred Worcester, Lance Fisher (Signature) _____

Relinquished by: (Signature and Printed Name) Alfred Worcester Date: 4/23/08 Time: 10:00 Received by: Golden State Overnight Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) Kel Date: 4/24/08 Time: 10:00

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Alfred P. Worcester 4/22/08
Print Name Date
[Signature]
Signature

Send Report To:
Attn: _____
Co: Same as above
Addr: _____
City: _____ State: _____ Zip: _____

Bill To:
Attn: _____
Co: Same as above
Addr: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:
Homogenize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
■ Sample: \$2.00 / sample /mo (after 45 days)
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION					
	8081A (Pesticides)	8082 (PCB)	82609 (Volatiles)	8270C (BNA)	80109 (Total Metal)	80158 (GRO) / 8020 (BTEX)	80159 (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead (60106)	SOIL		WATER	GROUND WATER	WASTEWATER	TAT	#
														5	1	P
														5	1	P
														5	1	P
														5	1	T
			X											2	1	E
			X											2	1	E
			X											2	1	E
														5	1	T
														5	1	T
														5	1	T

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample ID / Location	Date	Time	
	098430 - 6	DP 2-0		4/21/08	11:15	
		DP 2-1	} ADL			
		DP 2-2				
		DP 2-10				
		DP 2-10	} Encore		11:30	
		DP 2-10				
		DP 2-10				
		DP 3-3	Tube		12:00	
		DP 3-6	Tube		12:00	
		DP 3-3	Tube		12:30	

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays

Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

CHAIN OF CUSTODY RECORD



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
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Client: Geocon Consultants, Inc. Attention: Alfred Worcester	Address: 3160 Gold Valley Dr, Suit 800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
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Project Name: South Lake Tahoe US50 ADL	Project #: S9300-06-38	Sampler: Alfred Worcester, Lance Fisher (Signature) <i>[Signature]</i>
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Relinquished by: (Signature and Printed Name) Alfred Worcester <i>[Signature]</i>	Date: 4/23/08	Time: 4/23/08	Received by: Golden State Overnight	Date: _____	Time: _____
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Relinquished by: (Signature and Printed Name) _____	Date: _____	Time: _____	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: 4/24/08	Time: 1000
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Relinquished by: (Signature and Printed Name) _____	Date: _____	Time: _____	Received by: (Signature and Printed Name) _____	Date: _____	Time: _____
---	-------------	-------------	---	-------------	-------------

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester 4/22/08 Print Name Date <i>[Signature]</i> Signature	Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW
---	---	--	--

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
 ■ Sample :\$2.00 / sample /mo (after 45 days)
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC	
	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BVA)	8010B (Total Metal)	8015B (GDD) / 8020 (BTEX) Gal	8015B (DPA) <i>[Signature]</i> MTRC	Total Lead (8010B)	SOIL	WATER		GROUND WATER	WASTEWATER

ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										PRESERVATION	REMARKS							
	Batch #:	Sample ID / Location	Date	Time	TAT	#	Type	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BVA)	8010B (Total Metal)	8015B (GDD) / 8020 (BTEX) Gal	8015B (DPA) <i>[Signature]</i> MTRC	Total Lead (8010B)	SOIL			WATER	GROUND WATER	WASTEWATER				
	098430-13	DP 4-6	6-8 Tube	4.21.08	12:30	5	1	T	X		X	X				X									
	-14	DP 5-3	Tube		15:49	5	1	T				X	X			X									
	-15	DP 5-6	"		15:49	5	1	T				X	X			X									
	-16	DP 6-3	"		15:59	5	1	T				X	X			X									
	-17	DP 6-6	"		" "	5	1	T				X	X			X									
	-18	DP 7-3	"	4.22.08	7:50	5	1	T				X	X			X									
	-19	DP 7-6	"		" "	5	1	T				X	X			X									
	-20	HA-8-0	baggie		8:00	5	1	P						X		X									
	-21	HA8-1	"			5	1	P						X		X									
	-22	HA8-2	"			5	1	P						X		X									

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

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P.O. #:	Method of Transport	Sample Condition Upon Receipt	
Logged By: <i>[Signature]</i>	Client <input type="checkbox"/>	1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/>	4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/>
Date: 4/24/08	ATL <input type="checkbox"/>	2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/>	5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/>
	CA OverN <input type="checkbox"/>	3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/>	6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
	FedEx <input type="checkbox"/>		
	Other: <input type="checkbox"/>		

Client: Geocon Consultants, Inc.	Address: 3160 Gold Valley Dr, Suit 800	Tel: 916.852.9118
Attention: Alfred Worcester	City: Rancho Cordova State: CA Zip Code: 95742	Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL	Project #: S9300-06-38	Sampler: Alfred Worcester; Lance Fisher <i>[Signature]</i>
Relinquished by: (Signature and Printed Name) Alfred Worcester	Date: 4/23/08	Time: 10:00
Relinquished by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester 4/22/08 <i>[Signature]</i>	Send Report To: Attn: Co: Same as above Addr: City: State: Zip:	Bill To: Attn: Co: Same as above Addr: City: State: Zip:	Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW
---	---	--	--

Sample/Records - Archival & Disposal
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Storage Fees (applies when storage is requested):
 ■ Sample: \$2.00 / sample /mo (after 45 days)
 ■ Records: \$1 /ATL workorder /mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description				Circle or Add Analysis(es) Requested										SPECIFY APPROPRIATE MATRIX				PRESERVATION	REMARKS
	Batch #:	Sample ID / Location	Date	Time	8091A (Pesticides)	8092 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead (6010B)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type		
	09F430 - 23	HA9-0 baggie	4.22.08	8:30								X	X					5	1	P		
	- 24	HA9-1										X	X					5	1			
	- 25	HA9-2										X	X					5	1			
	- 26	HA10-0		8:50								X	X					5	1			
	- 27	HA10-1										X	X					5	1			
	- 28	HA10-2										X	X					5	1			
	- 29	HA11-0		9:15								X	X					5	1			
	- 30	HA11-1										X	X					5	1			
	- 31	HA11-2										X	X					5	1			
	- 32	HA12-3 baggie		9:30								X	X					5	1			

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays

Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Bedlar G=Glass P=Plastic M=Metal

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FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: [Signature] Date: 4/24/08

Method of Transport

Client
ATL
CA OverN
FedEx
Other: _____

Sample Condition Upon Receipt

1. CHILLED Y N 4. SEALED Y N
2. HEADSPACE (VOA) Y N 5. # OF SPLS MATCH COC Y N
3. CONTAINER INTACT Y N 6. PRESERVED Y N

Client: Geocon Consultants, Inc. Address: 3160 Gold Valley Dr, Suit 800 Tel: 916.852.9118
Attention: Alfred Worcester City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL Project #: S9300-06-38 Sampler: Alfred Worcester, Lance Fisher (Signature) [Signature]

Relinquished by: (Signature and Printed Name) Alfred Worcester Date: 4/23/08 Time: 10:00 Received by: Golden State Overnight Date: _____ Time: _____

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) [Signature] Date: 4/24/08 Time: 10:00

Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Alfred P. Worcester 4/22/08
Send Report To: Attn: _____ Co: Same as above
Bill To: Attn: _____ Co: Same as above
Special Instructions/Comments: Homogenize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

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■ Sample: \$2.00 / sample /mo (after 45 days)
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX				PRESERVATION	QA/QC
	SOIL	WATER	GROUND WATER	WASTEWATER		
8061A (Pesticides)					RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/>	
8092 (PCB)						
8260B (Volatile)					SWRCB <input type="checkbox"/> Logcode _____	
8270C (BNA)						
8010B (Total Metal)					OTHER _____	
8015B (GFAA) / 8020 (BTEX) / 8022 (PHEX) / 8023 (PHEX) / 8024 (PHEX) / 8025 (PHEX) / 8026 (PHEX) / 8027 (PHEX) / 8028 (PHEX) / 8029 (PHEX) / 8030 (PHEX) / 8031 (PHEX) / 8032 (PHEX) / 8033 (PHEX) / 8034 (PHEX) / 8035 (PHEX) / 8036 (PHEX) / 8037 (PHEX) / 8038 (PHEX) / 8039 (PHEX) / 8040 (PHEX) / 8041 (PHEX) / 8042 (PHEX) / 8043 (PHEX) / 8044 (PHEX) / 8045 (PHEX) / 8046 (PHEX) / 8047 (PHEX) / 8048 (PHEX) / 8049 (PHEX) / 8050 (PHEX) / 8051 (PHEX) / 8052 (PHEX) / 8053 (PHEX) / 8054 (PHEX) / 8055 (PHEX) / 8056 (PHEX) / 8057 (PHEX) / 8058 (PHEX) / 8059 (PHEX) / 8060 (PHEX) / 8061 (PHEX) / 8062 (PHEX) / 8063 (PHEX) / 8064 (PHEX) / 8065 (PHEX) / 8066 (PHEX) / 8067 (PHEX) / 8068 (PHEX) / 8069 (PHEX) / 8070 (PHEX) / 8071 (PHEX) / 8072 (PHEX) / 8073 (PHEX) / 8074 (PHEX) / 8075 (PHEX) / 8076 (PHEX) / 8077 (PHEX) / 8078 (PHEX) / 8079 (PHEX) / 8080 (PHEX) / 8081 (PHEX) / 8082 (PHEX) / 8083 (PHEX) / 8084 (PHEX) / 8085 (PHEX) / 8086 (PHEX) / 8087 (PHEX) / 8088 (PHEX) / 8089 (PHEX) / 8090 (PHEX) / 8091 (PHEX) / 8092 (PHEX) / 8093 (PHEX) / 8094 (PHEX) / 8095 (PHEX) / 8096 (PHEX) / 8097 (PHEX) / 8098 (PHEX) / 8099 (PHEX) / 8100 (PHEX)				REMARKS		
8015B (GFAA) / 8020 (BTEX) / 8022 (PHEX) / 8023 (PHEX) / 8024 (PHEX) / 8025 (PHEX) / 8026 (PHEX) / 8027 (PHEX) / 8028 (PHEX) / 8029 (PHEX) / 8030 (PHEX) / 8031 (PHEX) / 8032 (PHEX) / 8033 (PHEX) / 8034 (PHEX) / 8035 (PHEX) / 8036 (PHEX) / 8037 (PHEX) / 8038 (PHEX) / 8039 (PHEX) / 8040 (PHEX) / 8041 (PHEX) / 8042 (PHEX) / 8043 (PHEX) / 8044 (PHEX) / 8045 (PHEX) / 8046 (PHEX) / 8047 (PHEX) / 8048 (PHEX) / 8049 (PHEX) / 8050 (PHEX) / 8051 (PHEX) / 8052 (PHEX) / 8053 (PHEX) / 8054 (PHEX) / 8055 (PHEX) / 8056 (PHEX) / 8057 (PHEX) / 8058 (PHEX) / 8059 (PHEX) / 8060 (PHEX) / 8061 (PHEX) / 8062 (PHEX) / 8063 (PHEX) / 8064 (PHEX) / 8065 (PHEX) / 8066 (PHEX) / 8067 (PHEX) / 8068 (PHEX) / 8069 (PHEX) / 8070 (PHEX) / 8071 (PHEX) / 8072 (PHEX) / 8073 (PHEX) / 8074 (PHEX) / 8075 (PHEX) / 8076 (PHEX) / 8077 (PHEX) / 8078 (PHEX) / 8079 (PHEX) / 8080 (PHEX) / 8081 (PHEX) / 8082 (PHEX) / 8083 (PHEX) / 8084 (PHEX) / 8085 (PHEX) / 8086 (PHEX) / 8087 (PHEX) / 8088 (PHEX) / 8089 (PHEX) / 8090 (PHEX) / 8091 (PHEX) / 8092 (PHEX) / 8093 (PHEX) / 8094 (PHEX) / 8095 (PHEX) / 8096 (PHEX) / 8097 (PHEX) / 8098 (PHEX) / 8099 (PHEX) / 8100 (PHEX)						

LAB USE ONLY: Batch #:	Sample Description			Date	Time
	Lab No.	Sample ID / Location			
074430-37	DP HA12-6	6-8' baggie		4.22.08	9:50
-34	DP HA12	bottle analyzer			10:05
	DP HA12	VOA			
	DP HA12	"			
	DP HA12	"			
	DP HA12	"			
	DP HA12	"			
	DP HA12	"			
-35	DP HA16-0	baggie			10:30
-36	DP HA16-1	"			

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 TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays
 Container Types: T=Tube V=VOA L=Liter P=Pin J=Jar B=Tedlar G=Glass P=Plastic M=Metal
 Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
 Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

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P.O. #: _____
Logged By: [Signature] Date: 4/24/08

Method of Transport

Client
ATL
CA OverN
FedEx
Other: CASO

Sample Condition Upon Receipt

1. CHILLED Y N 4. SEALED Y N
2. HEADSPACE (VOA) Y N 5. # OF SPLS MATCH COC Y N
3. CONTAINER INTACT Y N 6. PRESERVED Y N

Client: Geocon Consultants, Inc.

Address: 3160 Gold Valley Dr, Suit 800

Tel: 916.852.9118

Attention: Alfred Worcester

City: Rancho Cordova

State: CA

Zip Code: 95742

Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL

Project #: S9300-06-38

Sampler: Alfred Worcester; Lance Fisher

Relinquished by: (Signature and Printed Name) Alfred Worcester

Date: 4/23/08

Time: 10:00

Received by: Golden State Overnight

Date: _____ Time: _____

Relinquished by: (Signature and Printed Name)

Date: _____

Time: _____

Received by: (Signature and Printed Name)

Date: 4/24/08

Time: 1000

Relinquished by: (Signature and Printed Name)

Date: _____

Time: _____

Received by: (Signature and Printed Name)

Date: _____

Time: _____

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter:

Alfred P. Worcester 4/22/08

Print Name

Date

Send Report To:

Attn: _____

Co: Same as above

Addr: _____

City: _____

State: _____

Zip: _____

Bill To:

Attn: _____

Co: Same as above

Addr: _____

City: _____

State: _____

Zip: _____

Special Instructions/Comments:

Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

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Circle or Add Analysis(es) Requested

8091A (Pesticides)
8092 (PCB)
8280B (Volatiles)
8270C (DMA)
8010B (Total Metal)
8010B (G) / 8020 (BTEX)
8010B (D) / 8020 (BTEX)
TITLE 22 / CAM 17 (8010 / 7000)
Total Lead (8010B)

SPECIFY APPROPRIATE MATRIX

SOIL
WATER
GROUND WATER
WASTEWATER

PRESERVATION

QA/QC

RTNE
CT

SWRCB
Logcode _____

OTHER _____

REMARKS

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Sample ID / Location	Date	Time		
	098430-55	DP 15	Amber	4.22.08	12:30	
		DP 15	VOAs	↓	11:11	
	-52	DP 19-3	Tube	↓	14:30	
	-57	DP 19-6	"	↓	"	
	-58	DP 19	Amber	↓	"	
		DP 19	VOAs	↓	"	
	-59	DP 20-3	Tube	↓	15:00	
	-60	DP 20-6	"	↓	↓	
	-61	DP 20	Amber	↓	↓	
		DP 20	VOA	↓	↓	

Container(s)		TAT	#	Type	REMARKS
		5	1	L	
		5	4	V	
		5	1	T	
		5	1	T	
		5	1	L	
		5	4	V	
		5	1	T	
		5	1	L	
		5	4	V	

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H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Diane Galvan

From: Carmen Aguila
Sent: Friday, April 25, 2008 8:21 AM
To: Diane Galvan
Subject: FW: South Lake Tahoe US50 ADL, S9300-06-38

-----Original Message-----

From: Alfred Worcester [mailto:worcester@geoconinc.com]
Sent: Friday, April 25, 2008 7:59 AM
To: Carmen Aguila
Subject: RE: South Lake Tahoe US50 ADL, S9300-06-38

PLEASE PROCEED WITH THE ANALYSIS.
ALFRED



Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916. 852.9118
Fax: 916.852.9132
Cel: 916.508 3076

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

CONFIDENTIALITY NOTICE: This email may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer. Thank you.

From: Carmen Aguila [mailto:Carmen@atlglobal.com]
Sent: Thursday, April 24, 2008 3:58 PM
To: worcester@geoconinc.com
Cc: Diane Galvan
Subject: South Lake Tahoe US50 ADL, S9300-06-38
Hi Alfred,

Please be advise that the encore samples for 8260 that we have received today are already beyond the 48 hrs hold time. Please let us know if we are to proceed with the analysis.

Thank you,

Carmen

4/25/2008

May 05, 2008



Alfred Worcester
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098483

RE: South Lake Tahoe US50 ADL, S9300-06-38

Attention: Alfred Worcester

Enclosed are the results for sample(s) received on April 28, 2008 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,



Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38
Lab Order: 098483

CASE NARRATIVE

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 098482-035AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) is outside criteria for sample 098482-035ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

**LEAD BY ICP
EPA 6010B**

ANALYTICAL RESULTS

CLIENT:	Geocon Consultants, Inc.	Lab Order:	098483
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Date Received	4/28/2008 10:00:00 AM
Project No:		Matrix:	Soil
Analyte:	Lead	Analyst:	LKN

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098483-001A	HA38-0	170	mg/Kg	45349	5.0	1	4/24/2008	5/2/2008
098483-002A	HA38-1	13	mg/Kg	45349	5.0	1	4/24/2008	5/2/2008
098483-003A	HA38-2	ND	mg/Kg	45349	5.0	1	4/24/2008	5/2/2008
098483-004A	HA39-0	100	mg/Kg	45349	5.0	1	4/24/2008	5/2/2008
098483-005A	HA39-1	16	mg/Kg	45349	5.0	1	4/24/2008	5/2/2008
098483-006A	HA39-2	64	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-007A	HA40-0	73	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-008A	HA40-1	ND	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-009A	HA40-2	ND	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-010A	HA41-0	150	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-011A	HA41-1	5.4	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-012A	HA41-2	ND	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-013A	HA42-0	22	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-014A	HA42-1	9.3	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-015A	HA42-2	ND	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-016A	HA43-0	12	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-017A	HA43-1	6.0	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-018A	HA43-2	ND	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

**LEAD BY ICP
EPA 6010B**

ANALYTICAL RESULTS

CLIENT:	Geocon Consultants, Inc.	Lab Order:	098483
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Date Received	4/28/2008 10:00:00 AM
Project No:		Matrix:	Soil
Analyte:	Lead	Analyst:	LKN

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098483-019A	HA44-0	70	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-020A	HA44-1	6.7	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-021A	HA44-2	11	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-022A	HA45-0	97	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-023A	HA45-1	7.3	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-024A	HA45-2	30	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-025A	HA46-0	40	mg/Kg	45350	5.0	1	4/24/2008	5/2/2008
098483-026A	HA46-1	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-027A	HA46-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-028A	HA47-0	32	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-029A	HA47-1	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-030A	HA47-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-031A	HA48-0	35	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-032A	HA48-1	7.5	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-033A	HA48-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-034A	HA49-0	41	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-035A	HA49-1	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-036A	HA49-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

**LEAD BY ICP
EPA 6010B**

ANALYTICAL RESULTS

CLIENT:	Geocon Consultants, Inc.	Lab Order:	098483
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Date Received	4/28/2008 10:00:00 AM
Project No:		Matrix:	Soil
Analyte:	Lead	Analyst:	LKN

Laboratory ID	Client Sample ID	Results	Units	QC Batch	PQL	DF	Date Collected	Date Analyzed
098483-037A	HA50-0	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-038A	HA50-1	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-039A	HA50-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-040A	HA51-0	51	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-041A	HA51-1	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008
098483-042A	HA51-2	ND	mg/Kg	45352	5.0	1	4/24/2008	5/2/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45349A	MBLK	6010_SPB	mg/Kg	5/2/2008	94118						
Client ID: PBS	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS-45349	LCS	6010_SPB	mg/Kg	5/2/2008	94118						
Client ID: LCSS	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450266						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.068	5.0	250.0	0	95.6	80	120				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098482-035A-DUP	DUP	6010_SPB	mg/Kg	5/2/2008	94118						
Client ID: ZZZZZZ	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450277						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.426	5.0						1.098	154	20	R

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098482-035A-MS	MS	6010_SPB	mg/Kg	5/2/2008	94118						
Client ID: ZZZZZZ	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450278						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.983	5.0	250.0	1.098	0.354	45	110				S

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45349B	MBLK	6010_SPB	mg/Kg	5/2/2008	94118						
Client ID: PBS	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450279						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098483-005A-DUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: HA39-1	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450290						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	17.617	5.0			15.95	9.96	20
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Sample ID: 098483-005A-MS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: HA39-1	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450291						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	174.067	5.0	250.0	15.95	63.2	45	110
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Sample ID: 098483-005A-MSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: HA39-1	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	157.398	5.0	250.0	15.95	56.6	45	110	174.1	10.1	20
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098483-025A-DUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94121						
Client ID: HA46-0	Batch ID: 45350	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 5/2/2008	SeqNo: 1450367						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	39.910	5.0						40.08	0.419	20	

Sample ID: 098483-025A-MS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94121						
Client ID: HA46-0	Batch ID: 45350	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 5/2/2008	SeqNo: 1450368						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	182.676	5.0	250.0	40.08	57.0	45	110				

Sample ID: 098483-025A-MSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94121						
Client ID: HA46-0	Batch ID: 45350	TestNo: EPA 6010B	EPA 3050M	Analysis Date: 5/2/2008	SeqNo: 1450369						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	171.730	5.0	250.0	40.08	52.7	45	110	182.7	6.18	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098483-042ADUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94122						
Client ID: HA51-2	Batch ID: 45352	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450407						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.836	5.0						1.465	0	20	

Sample ID: 098483-042AMS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94122						
Client ID: HA51-2	Batch ID: 45352	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450409						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	144.184	5.0	250.0	1.465	57.1	45	110				

Sample ID: 098483-042AMSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94122						
Client ID: HA51-2	Batch ID: 45352	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450410						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	167.240	5.0	250.0	1.465	66.3	45	110	144.2	14.8	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CHAIN OF CUSTODY RECORD

 <p>Advanced Technology Laboratories</p> <p>3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	FOR LABORATORY USE ONLY		
	P.O. #: _____ Logged By: _____ Date: _____	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>

Client: Geocon Consultants, Inc. Attention: Alfred Worcester	Address: 3160 Gold Valley Dr, Suit 800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
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Project Name: South Lake Tahoe US50 ADL	Project #: S9300-06-38	Sampler: Alfred Worcester; Lance Fisher (Signature) Date: _____ Time: _____
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Relinquished by: (Signature and Printed Name) Alfred Worcester	Date: _____ Time: _____	Received by: Golden State Overnight	Date: _____ Time: _____
Relinquished by: (Signature and Printed Name)	Date: _____ Time: _____	Received by: (Signature and Printed Name) <i>Margo [Signature]</i>	Date: 4/28/08 Time: 10:00
Relinquished by: (Signature and Printed Name)	Date: _____ Time: _____	Received by: (Signature and Printed Name)	Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester Print Name Date	Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW
--	---	--	--

Sample/Records - Archival & Disposal				Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC							
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.					MATRIX																		
Storage Fees (applies when storage is requested):				Container(s)	TAT	#	Type	REMARKS	RTNE <input type="checkbox"/>		CT <input checked="" type="checkbox"/>		SWRCB <input type="checkbox"/>		Logcode _____		OTHER _____						
■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)									LAB USE ONLY:		Sample Description		Date		Time		Date		Time		Date		Time
ITEM	Batch #:	Sample Description		Date	Time	8081A (Pesticides)	8082 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8021 (BTEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead (6010B)	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	#	Type	REMARKS	
	Lab No.	Sample ID / Location	Date																				Time
	098153-11	HA 41-1	4.29.08	8:50											X					5	1	P	
	12	HA 41-2		↓											X					5	1		
	13	HA 42-0		8:52											X					5	1		
	14	HA 42-1		↓											X					5	1		
	15	HA 42-2		↓											X					5	1		
	16	HA 43-0		8:55											X					5	1		
	17	HA 43-1		↓											X					5	1		
	18	HA 43-2		↓											X					5	1		
	19	HA 44-0		9:45											X					5	1		
	20	HA 44-1		↓											X					5	1		

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

CHAIN OF CUSTODY RECORD

 <p>Advanced Technology Laboratories</p> <p>3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>		FOR LABORATORY USE ONLY					
		P.O. #: _____ Logged By: _____ Date: _____		Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____		Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>	
Client: Geocon Consultants, Inc. Attention: Alfred Worcester			Address: 3160 Gold Valley Dr, Suit 800 City: Rancho Cordova State: CA Zip Code: 95742			Tel: 916.852.9118 Fax: 916.852.9132	
Project Name: South Lake Tahoe US50 ADL		Project #: S9300-06-38		Sampler: Alfred Worcester; Lance Fisher		(Signature)	
Relinquished by: (Signature and Printed Name) Alfred Worcester		Date: _____	Time: _____	Received by: Golden State Overnight		Date: _____ Time: _____	
Relinquished by: (Signature and Printed Name)		Date: _____	Time: _____	Received by: (Signature and Printed Name) <i>[Signature]</i>		Date: 4/28/08 Time: 1000	
Relinquished by: (Signature and Printed Name)		Date: _____	Time: _____	Received by: (Signature and Printed Name)		Date: _____ Time: _____	
I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester Print Name Date		Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____		Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____		Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW	
Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): ■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)				Circle or Add Analysis(es) Requested		SPECIFY APPROPRIATE MATRIX	
				8081A (Pesticides) 8082 (PCB) 8260B (Volatiles) 8270C (BNA) 8019B (Total Metal) 8013B (GRO) / 8020 (BTEX) 8021 (DRO) (BTEX) TITLE 22 / CAM 17 (6010 / 7000) Total Lead (6010B)		SOIL WATER GROUND WATER WASTEWATER	
						TAT # Type	
						PRESERVATION RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____	
						REMARKS	
LAB USE ONLY: Batch #: _____ Lab No. _____		Sample Description Sample ID / Location Date Time					
098483-21 22 23 24 25 26 27 28 29 30		HA 44-2 HA 45-0 HA 45-1 HA 45-2 HA 46-0 HA 46-1 HA 46-2 HA 47-0 HA 47-1 HA 47-2		4.24.08 9:45 9:55 10:09 10:15		X X X X X X X X X	
TAT starts 8AM the following day if samples received after 3 PM		TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays		Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃			
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal							

CHAIN OF CUSTODY RECORD

 <p>Advanced Technology Laboratories 3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>		FOR LABORATORY USE ONLY											
		P.O. #: _____		Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____		Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>						Logged By: _____ Date: _____	
Client: Geocon Consultants, Inc. Attention: Alfred Worcester				Address: 3160 Gold Valley Dr, Suit 800 City: Rancho Cordova State: CA Zip Code: 95742				Tel: 916.852.9118 Fax: 916.852.9132					
Project Name: South Lake Tahoe US50 ADL		Project #: S9300-06-38		Sampler: Alfred Worcester; Lance Fisher (Signature)									
Relinquished by: (Signature and Printed Name) Alfred Worcester		Date: _____		Time: _____		Received by: Golden State Overnight		Date: _____		Time: _____			
Relinquished by: (Signature and Printed Name)		Date: _____		Time: _____		Received by: (Signature and Printed Name) <i>Margo [Signature]</i>		Date: 4/28/08		Time: 1000			
Relinquished by: (Signature and Printed Name)		Date: _____		Time: _____		Received by: (Signature and Printed Name)		Date: _____		Time: _____			
I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester Print Name _____ Date _____ Signature _____		Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____		Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____		Special Instructions/Comments: Homogenize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW							
Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): ■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)				Circle or Add Analysis(es) Requested				SPECIFY APPROPRIATE MATRIX				QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____	
LAB USE ONLY:													
Batch #:		Sample Description											
Lab No.		Sample ID / Location		Date		Time		Container(s)		TAT # Type		PRESERVATION OTHER _____ REMARKS	
048463-31		HA 48-0		4.24.08		10:25		X		5 1		P	
32		HA 48-1		↓		↓		X		5 1			
33		HA 48-2		↓		↓		X		5 1			
34		HA 49-0		10:40				X		5 1			
35		HA 49-1		↓		↓		X		5 1			
36		HA 49-2		↓		↓		X		5 1			
37		HA 50-0		11:00				X		5 1			
38		HA 50-1		↓		↓		X		5 1			
39		HA 50-2		↓		↓		X		5 1			
40		HA 50-0, HA 50-1, HA 50-2		11:05				X		5 3		↓	
■ TAT starts 8AM the following day if samples received after 3 PM		TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs		<input type="checkbox"/> B = Emergency Next Workday		<input type="checkbox"/> C = Critical 2 Workdays		<input type="checkbox"/> D = Urgent 3 Workdays		<input type="checkbox"/> E = Routine 7 Workdays		Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃	
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal													

Carmen Aguila

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Monday, April 28, 2008 11:19 AM
To: Carmen Aguila
Subject: RE: South Lake Tahoe US50 ADL, S9300-06-38

Carmen:

Please conduct total lead analysis on samples HA45-0 through HA47-2 (total 9 samples), as listed on the COC form of April 25, 2008.

Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916. 852.9118
Fax: 916.852.9132
Cel: 916.508 3076

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

CONFIDENTIALITY NOTICE: This email may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer. Thank you.

May 06, 2008



Alfred Worcester
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098482

RE: South Lake Tahoe US50 ADL, S9300-06-38

Attention: Alfred Worcester

Enclosed are the results for sample(s) received on April 28, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38
Lab Order: 098482

CASE NARRATIVE

All volatile analyses were performed using 5035 preservation requirements. Any high level dilutions were performed on a preserved methanol sample unless otherwise noted.

Sample Receiving / General Comments

Encore samples for 5035/8260 were received beyond holding time. The client was notified on 04/28/08 and instructed the laboratory to proceed with the 5035/8260 analysis.

Analytical Comments for Method 6010

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 098482-035AMS ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

RPD for Duplicate (DUP) is outside criteria for sample 098482-035ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Analytical Comments for Method 8015 (DRO)

Dilution was necessary for sample 098482-027A, due to sample matrix.

Surrogate recovery was diluted out for sample 098482-027A.

RPD for Duplicate (DUP), Matrix Spike (MS)/Matrix Spike Duplicate (MSD) is outside criteria for samples 098468-004DMSD, 098482-001ADUP, 098482-001AMSD and 098482-016ADUP; however, the Laboratory Control Sample (LCS) validated the analytical batch.

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP25-3
Lab Order: 098482 **Collection Date:** 4/23/2008 8:15:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-001A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337				PrepDate: 4/30/2008	Analyst: CBR
DRO	7.0	1.0		mg/Kg	1	5/1/2008 01:15 PM
Surr: p-Terphenyl	69.8	26-127		%REC	1	5/1/2008 01:15 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/29/2008 01:57 PM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/29/2008 01:57 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 01:57 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 01:57 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 01:57 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/29/2008 01:57 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 01:57 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 01:57 PM
Surr: Bromofluorobenzene (PID)	113	71-139		%REC	1	4/29/2008 01:57 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP25-3
Lab Order: 098482 **Collection Date:** 4/23/2008 8:15:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-001B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1,1-Trichloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1,2,2-Tetrachloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1,2-Trichloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1-Dichloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1-Dichloroethene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,1-Dichloropropene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2,3-Trichlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2,3-Trichloropropane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2,4-Trichlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2,4-Trimethylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2-Dibromo-3-chloropropane	ND	10	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2-Dibromoethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2-Dichlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2-Dichloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,2-Dichloropropane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,3,5-Trimethylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,3-Dichlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,3-Dichloropropane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
1,4-Dichlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
2,2-Dichloropropane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
2-Chlorotoluene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
4-Chlorotoluene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
4-Isopropyltoluene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Benzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Bromobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Bromodichloromethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Bromoform	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Bromomethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Carbon tetrachloride	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Chlorobenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Chloroethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Chloroform	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Chloromethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
cis-1,2-Dichloroethene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP25-3
Lab Order: 098482 **Collection Date:** 4/23/2008 8:15:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-001B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Dibromochloromethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Dibromomethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Dichlorodifluoromethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Ethylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Hexachlorobutadiene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Isopropylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
m,p-Xylene	ND	10	H	µg/Kg	1	5/1/2008 05:57 PM	
Methylene chloride	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
n-Butylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
n-Propylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Naphthalene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
o-Xylene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
sec-Butylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Styrene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
tert-Butylbenzene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Tetrachloroethene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Toluene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
trans-1,2-Dichloroethene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Trichloroethene	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Trichlorofluoromethane	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Vinyl chloride	ND	5.2	H	µg/Kg	1	5/1/2008 05:57 PM	
Surr: 1,2-Dichloroethane-d4	119	70-130	H	%REC	1	5/1/2008 05:57 PM	
Surr: 4-Bromofluorobenzene	95.0	70-130	H	%REC	1	5/1/2008 05:57 PM	
Surr: Dibromofluoromethane	120	70-130	H	%REC	1	5/1/2008 05:57 PM	
Surr: Toluene-d8	101	70-130	H	%REC	1	5/1/2008 05:57 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP25-6
Lab Order:	098482	Collection Date:	4/23/2008 8:15:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-002A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337	PrepDate: 4/30/2008	Analyst: CBR
DRO	5.0	1.0	mg/Kg 1 5/1/2008 04:41 PM
Surr: p-Terphenyl	71.2	26-127	%REC 1 5/1/2008 04:41 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 4/29/2008 06:11 PM
Surr: Bromofluorobenzene (FID)	103	42-142	%REC 1 4/29/2008 06:11 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 4/29/2008 06:11 PM
Ethylbenzene	ND	5.0	µg/Kg 1 4/29/2008 06:11 PM
m,p-Xylene	ND	10	µg/Kg 1 4/29/2008 06:11 PM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 4/29/2008 06:11 PM
o-Xylene	ND	5.0	µg/Kg 1 4/29/2008 06:11 PM
Toluene	ND	5.0	µg/Kg 1 4/29/2008 06:11 PM
Surr: Bromofluorobenzene (PID)	108	71-139	%REC 1 4/29/2008 06:11 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP25-6
Lab Order: 098482 **Collection Date:** 4/23/2008 8:15:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-002B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1,1-Trichloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1,2,2-Tetrachloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1,2-Trichloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1-Dichloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1-Dichloroethene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,1-Dichloropropene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2,3-Trichlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2,3-Trichloropropane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2,4-Trichlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2,4-Trimethylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2-Dibromo-3-chloropropane	ND	11	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2-Dibromoethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2-Dichlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2-Dichloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,2-Dichloropropane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,3,5-Trimethylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,3-Dichlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,3-Dichloropropane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
1,4-Dichlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
2,2-Dichloropropane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
2-Chlorotoluene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
4-Chlorotoluene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
4-Isopropyltoluene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Benzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Bromobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Bromodichloromethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Bromoform	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Bromomethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Carbon tetrachloride	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Chlorobenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Chloroethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Chloroform	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Chloromethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
cis-1,2-Dichloroethene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP25-6
Lab Order: 098482 **Collection Date:** 4/23/2008 8:15:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-002B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Dibromochloromethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Dibromomethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Dichlorodifluoromethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Ethylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Hexachlorobutadiene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Isopropylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
m,p-Xylene	ND	11	H	µg/Kg	1	5/1/2008 06:13 PM	
Methylene chloride	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
n-Butylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
n-Propylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Naphthalene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
o-Xylene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
sec-Butylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Styrene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
tert-Butylbenzene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Tetrachloroethene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Toluene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
trans-1,2-Dichloroethene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Trichloroethene	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Trichlorofluoromethane	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Vinyl chloride	ND	5.5	H	µg/Kg	1	5/1/2008 06:13 PM	
Surr: 1,2-Dichloroethane-d4	109	70-130	H	%REC	1	5/1/2008 06:13 PM	
Surr: 4-Bromofluorobenzene	85.9	70-130	H	%REC	1	5/1/2008 06:13 PM	
Surr: Dibromofluoromethane	110	70-130	H	%REC	1	5/1/2008 06:13 PM	
Surr: Toluene-d8	91.4	70-130	H	%REC	1	5/1/2008 06:13 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP26-3
Lab Order:	098482	Collection Date:	4/23/2008 9:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-003A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337	PrepDate: 4/30/2008	Analyst: CBR
DRO	1.9	1.0	mg/Kg
Surr: p-Terphenyl	58.9	26-127	%REC

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg
Surr: Bromofluorobenzene (FID)	103	42-142	%REC

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg
Ethylbenzene	ND	5.0	µg/Kg
m,p-Xylene	ND	10	µg/Kg
Methyl tert-butyl ether	ND	5.0	µg/Kg
o-Xylene	ND	5.0	µg/Kg
Toluene	ND	5.0	µg/Kg
Surr: Bromofluorobenzene (PID)	109	71-139	%REC

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP26-3
Lab Order: 098482 **Collection Date:** 4/23/2008 9:00:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-003B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1,1-Trichloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1,2,2-Tetrachloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1,2-Trichloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1-Dichloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1-Dichloroethene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,1-Dichloropropene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2,3-Trichlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2,3-Trichloropropane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2,4-Trichlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2,4-Trimethylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2-Dibromo-3-chloropropane	ND	11	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2-Dibromoethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2-Dichlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2-Dichloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,2-Dichloropropane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,3,5-Trimethylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,3-Dichlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,3-Dichloropropane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
1,4-Dichlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
2,2-Dichloropropane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
2-Chlorotoluene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
4-Chlorotoluene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
4-Isopropyltoluene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Benzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Bromobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Bromodichloromethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Bromoform	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Bromomethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Carbon tetrachloride	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Chlorobenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Chloroethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Chloroform	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Chloromethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
cis-1,2-Dichloroethene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc.

Client Sample ID: DP26-3

Lab Order: 098482

Collection Date: 4/23/2008 9:00:00 AM

Project: South Lake Tahoe US50 ADL, S9300-06-38

Matrix: SOIL

Lab ID: 098482-003B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Dibromochloromethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Dibromomethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Dichlorodifluoromethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Ethylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Hexachlorobutadiene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Isopropylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
m,p-Xylene	ND	11	H	µg/Kg	1	5/1/2008 06:29 PM	
Methylene chloride	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
n-Butylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
n-Propylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Naphthalene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
o-Xylene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
sec-Butylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Styrene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
tert-Butylbenzene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Tetrachloroethene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Toluene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
trans-1,2-Dichloroethene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Trichloroethene	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Trichlorofluoromethane	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Vinyl chloride	ND	5.4	H	µg/Kg	1	5/1/2008 06:29 PM	
Surr: 1,2-Dichloroethane-d4	117	70-130	H	%REC	1	5/1/2008 06:29 PM	
Surr: 4-Bromofluorobenzene	98.6	70-130	H	%REC	1	5/1/2008 06:29 PM	
Surr: Dibromofluoromethane	115	70-130	H	%REC	1	5/1/2008 06:29 PM	
Surr: Toluene-d8	100	70-130	H	%REC	1	5/1/2008 06:29 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP26-6
Lab Order:	098482	Collection Date:	4/23/2008 9:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-004A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337	PrepDate: 4/30/2008	Analyst: CBR
DRO	22	1.0	mg/Kg 1 5/1/2008 05:07 PM
Surr: p-Terphenyl	59.7	26-127	%REC 1 5/1/2008 05:07 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 4/29/2008 07:01 PM
Surr: Bromofluorobenzene (FID)	99.6	42-142	%REC 1 4/29/2008 07:01 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 4/29/2008 07:01 PM
Ethylbenzene	ND	5.0	µg/Kg 1 4/29/2008 07:01 PM
m,p-Xylene	ND	10	µg/Kg 1 4/29/2008 07:01 PM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 4/29/2008 07:01 PM
o-Xylene	ND	5.0	µg/Kg 1 4/29/2008 07:01 PM
Toluene	ND	5.0	µg/Kg 1 4/29/2008 07:01 PM
Surr: Bromofluorobenzene (PID)	106	71-139	%REC 1 4/29/2008 07:01 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP26-6
Lab Order: 098482 **Collection Date:** 4/23/2008 9:00:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-004B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1,1-Trichloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1,2,2-Tetrachloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1,2-Trichloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1-Dichloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1-Dichloroethene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,1-Dichloropropene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2,3-Trichlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2,3-Trichloropropane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2,4-Trichlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2,4-Trimethylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2-Dibromo-3-chloropropane	ND	9.0	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2-Dibromoethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2-Dichlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2-Dichloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,2-Dichloropropane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,3,5-Trimethylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,3-Dichlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,3-Dichloropropane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
1,4-Dichlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
2,2-Dichloropropane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
2-Chlorotoluene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
4-Chlorotoluene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
4-Isopropyltoluene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Benzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Bromobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Bromodichloromethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Bromoform	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Bromomethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Carbon tetrachloride	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Chlorobenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Chloroethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Chloroform	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Chloromethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
cis-1,2-Dichloroethene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP26-6
Lab Order: 098482 **Collection Date:** 4/23/2008 9:00:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-004B

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Dibromochloromethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Dibromomethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Dichlorodifluoromethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Ethylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Hexachlorobutadiene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Isopropylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
m,p-Xylene	ND	9.0	H	µg/Kg	1	5/1/2008 06:44 PM	
Methylene chloride	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
n-Butylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
n-Propylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Naphthalene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
o-Xylene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
sec-Butylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Styrene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
tert-Butylbenzene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Tetrachloroethene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Toluene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
trans-1,2-Dichloroethene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Trichloroethene	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Trichlorofluoromethane	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Vinyl chloride	ND	4.5	H	µg/Kg	1	5/1/2008 06:44 PM	
Surr: 1,2-Dichloroethane-d4	102	70-130	H	%REC	1	5/1/2008 06:44 PM	
Surr: 4-Bromofluorobenzene	80.2	70-130	H	%REC	1	5/1/2008 06:44 PM	
Surr: Dibromofluoromethane	106	70-130	H	%REC	1	5/1/2008 06:44 PM	
Surr: Toluene-d8	92.5	70-130	H	%REC	1	5/1/2008 06:44 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP27-3
Lab Order:	098482	Collection Date:	4/23/2008 9:59:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-005A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337				PrepDate: 4/30/2008	Analyst: CBR
DRO	4.6	1.0		mg/Kg	1	5/1/2008 02:57 PM
Surr: p-Terphenyl	66.2	26-127		%REC	1	5/1/2008 02:57 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/29/2008 07:26 PM
Surr: Bromofluorobenzene (FID)	104	42-142		%REC	1	4/29/2008 07:26 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 07:26 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 07:26 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 07:26 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/29/2008 07:26 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 07:26 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 07:26 PM
Surr: Bromofluorobenzene (PID)	110	71-139		%REC	1	4/29/2008 07:26 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP27-6
Lab Order:	098482	Collection Date:	4/23/2008 9:59:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-006A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC7_BACK_080501B	QC Batch: 45337	PrepDate: 4/30/2008	Analyst: CBR
DRO	2.4	1.0	mg/Kg 1 5/1/2008 01:40 PM
Surr: p-Terphenyl	75.0	26-127	%REC 1 5/1/2008 01:40 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 4/29/2008 07:52 PM
Surr: Bromofluorobenzene (FID)	105	42-142	%REC 1 4/29/2008 07:52 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080429A	QC Batch: E08VS120	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 4/29/2008 07:52 PM
Ethylbenzene	ND	5.0	µg/Kg 1 4/29/2008 07:52 PM
m,p-Xylene	ND	10	µg/Kg 1 4/29/2008 07:52 PM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 4/29/2008 07:52 PM
o-Xylene	ND	5.0	µg/Kg 1 4/29/2008 07:52 PM
Toluene	ND	5.0	µg/Kg 1 4/29/2008 07:52 PM
Surr: Bromofluorobenzene (PID)	112	71-139	%REC 1 4/29/2008 07:52 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP27
Lab Order:	098482	Collection Date:	4/23/2008 9:59:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098482-007A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_080429A	QC Batch: D08VW025	PrepDate:	Analyst: CBB		
GRO	0.072	0.050	mg/L	1	4/29/2008 05:52 PM
Surr: Bromofluorobenzene (FID)	106	76-127	%REC	1	4/29/2008 05:52 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC1_080429A	QC Batch: D08VW025	PrepDate:	Analyst: CBB		
Benzene	ND	0.50	µg/L	1	4/29/2008 05:52 PM
Ethylbenzene	3.3	0.50	µg/L	1	4/29/2008 05:52 PM
m,p-Xylene	9.0	1.0	µg/L	1	4/29/2008 05:52 PM
Methyl tert-butyl ether	ND	0.50	µg/L	1	4/29/2008 05:52 PM
o-Xylene	2.0	0.50	µg/L	1	4/29/2008 05:52 PM
Toluene	ND	0.50	µg/L	1	4/29/2008 05:52 PM
Surr: Bromofluorobenzene (PID)	94.3	82-136	%REC	1	4/29/2008 05:52 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP27
Lab Order:	098482	Collection Date:	4/23/2008 9:59:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098482-007B		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC8_080501A	QC Batch: 45316			PrepDate: 4/29/2008		Analyst: CBR
DRO	0.44	0.056		mg/L	1	5/1/2008 04:50 PM
Surr: p-Terphenyl	50.3	37-134		%REC	1	5/1/2008 04:50 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP28-3
Lab Order:	098482	Collection Date:	4/23/2008 10:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-008A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080501B	QC Batch: 45337				PrepDate: 4/30/2008	Analyst: CBR
DRO	1.9	1.0		mg/Kg	1	5/1/2008 03:49 PM
Surr: p-Terphenyl	73.1	26-127		%REC	1	5/1/2008 03:49 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/29/2008 08:17 PM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	4/29/2008 08:17 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 3550B			EPA 8021B			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 08:17 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 08:17 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 08:17 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/29/2008 08:17 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 08:17 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 08:17 PM
Surr: Bromofluorobenzene (PID)	108	71-139		%REC	1	4/29/2008 08:17 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP28-6
Lab Order: 098482 **Collection Date:** 4/23/2008 10:30:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-009A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080501B	QC Batch: 45337				PrepDate: 4/30/2008	Analyst: CBR
DRO	1.2	1.0		mg/Kg	1	5/1/2008 02:07 PM
Surr: p-Terphenyl	72.0	26-127		%REC	1	5/1/2008 02:07 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/29/2008 08:42 PM
Surr: Bromofluorobenzene (FID)	103	42-142		%REC	1	4/29/2008 08:42 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B			EPA 8021B			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 08:42 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 08:42 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 08:42 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/29/2008 08:42 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 08:42 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 08:42 PM
Surr: Bromofluorobenzene (PID)	110	71-139		%REC	1	4/29/2008 08:42 PM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP28
Lab Order:	098482	Collection Date:	4/23/2008 10:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098482-010A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_080429A	QC Batch: D08VW025	PrepDate:	Analyst: CBB		
GRO	ND	0.050	mg/L	1	4/29/2008 05:22 PM
Surr: Bromofluorobenzene (FID)	111	76-127	%REC	1	4/29/2008 05:22 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC1_080429A	QC Batch: D08VW025	PrepDate:	Analyst: CBB		
Benzene	ND	0.50	µg/L	1	4/29/2008 05:22 PM
Ethylbenzene	ND	0.50	µg/L	1	4/29/2008 05:22 PM
m,p-Xylene	ND	1.0	µg/L	1	4/29/2008 05:22 PM
Methyl tert-butyl ether	ND	0.50	µg/L	1	4/29/2008 05:22 PM
o-Xylene	ND	0.50	µg/L	1	4/29/2008 05:22 PM
Toluene	1.0	0.50	µg/L	1	4/29/2008 05:22 PM
Surr: Bromofluorobenzene (PID)	98.4	82-136	%REC	1	4/29/2008 05:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP28
Lab Order:	098482	Collection Date:	4/23/2008 10:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	GROUND WATER
Lab ID:	098482-010B		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
	EPA 3510C		EPA 8015B(M)			
RunID: GC8_080501A	QC Batch: 45316			PrepDate: 4/29/2008		Analyst: CBR
DRO	0.098	0.056		mg/L	1	5/1/2008 03:55 PM
Surr: p-Terphenyl	40.7	37-134		%REC	1	5/1/2008 03:55 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP29-0
Lab Order:	098482	Collection Date:	4/23/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-011A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:11 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP29-1
Lab Order:	098482	Collection Date:	4/23/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-012A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:15 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP29-2
Lab Order:	098482	Collection Date:	4/23/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-013A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:18 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP29-3
Lab Order:	098482	Collection Date:	4/23/2008 11:00:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-014A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC7_BACK_080501B	QC Batch: 45337				PrepDate: 4/30/2008	Analyst: CBR
DRO	5.3	1.0		mg/Kg	1	5/1/2008 03:24 PM
Surr: p-Terphenyl	69.5	26-127		%REC	1	5/1/2008 03:24 PM
GASOLINE RANGE ORGANICS BY GC/FID						
EPA 3550B			EPA 8015B(M)			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	4/29/2008 09:08 PM
Surr: Bromofluorobenzene (FID)	104	42-142		%REC	1	4/29/2008 09:08 PM
VOLATILE ORGANIC COMPOUNDS BY GC/PID						
EPA 8021B			EPA 8021B			
RunID: GC2_080429A	QC Batch: E08VS120				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	4/29/2008 09:08 PM
Ethylbenzene	ND	5.0		µg/Kg	1	4/29/2008 09:08 PM
m,p-Xylene	ND	10		µg/Kg	1	4/29/2008 09:08 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	4/29/2008 09:08 PM
o-Xylene	ND	5.0		µg/Kg	1	4/29/2008 09:08 PM
Toluene	ND	5.0		µg/Kg	1	4/29/2008 09:08 PM
Surr: Bromofluorobenzene (PID)	110	71-139		%REC	1	4/29/2008 09:08 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP29-6
Lab Order:	098482	Collection Date:	4/23/2008 11:30:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-015A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID:	GC7_BACK_080501B	QC Batch:	45337	PrepDate:	4/30/2008	Analyst:	CBR
DRO	2.9		1.0	mg/Kg	1		5/1/2008 02:32 PM
Surr: p-Terphenyl	73.5		26-127	%REC	1		5/1/2008 02:32 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID:	GC2_080505A	QC Batch:	E08VS125	PrepDate:		Analyst:	KHN
GRO	ND		1.0	mg/Kg	1		5/5/2008 10:57 PM
Surr: Bromofluorobenzene (FID)	102		42-142	%REC	1		5/5/2008 10:57 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID:	GC2_080505A	QC Batch:	E08VS125	PrepDate:		Analyst:	KHN
Benzene	ND		5.0	µg/Kg	1		5/5/2008 10:57 PM
Ethylbenzene	ND		5.0	µg/Kg	1		5/5/2008 10:57 PM
m,p-Xylene	ND		10	µg/Kg	1		5/5/2008 10:57 PM
Methyl tert-butyl ether	ND		5.0	µg/Kg	1		5/5/2008 10:57 PM
o-Xylene	ND		5.0	µg/Kg	1		5/5/2008 10:57 PM
Toluene	ND		5.0	µg/Kg	1		5/5/2008 10:57 PM
Surr: Bromofluorobenzene (PID)	104		71-139	%REC	1		5/5/2008 10:57 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP30-3
Lab Order: 098482 **Collection Date:** 4/23/2008 11:50:00 AM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-016A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338				PrepDate: 4/30/2008	Analyst: JNV
DRO	6.5	1.0		mg/Kg	1	5/1/2008 08:53 AM
Surr: p-Terphenyl	77.0	26-127		%REC	1	5/1/2008 08:53 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	5/5/2008 05:29 PM
Surr: Bromofluorobenzene (FID)	103	42-142		%REC	1	5/5/2008 05:29 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	5/5/2008 05:29 PM
Ethylbenzene	ND	5.0		µg/Kg	1	5/5/2008 05:29 PM
m,p-Xylene	ND	10		µg/Kg	1	5/5/2008 05:29 PM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	5/5/2008 05:29 PM
o-Xylene	ND	5.0		µg/Kg	1	5/5/2008 05:29 PM
Toluene	ND	5.0		µg/Kg	1	5/5/2008 05:29 PM
Surr: Bromofluorobenzene (PID)	104	71-139		%REC	1	5/5/2008 05:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP30-6
Lab Order:	098482	Collection Date:	4/23/2008 11:50:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-017A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	2.2	1.0	mg/Kg 1 5/1/2008 04:19 PM
Surr: p-Terphenyl	75.6	26-127	%REC 1 5/1/2008 04:19 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/5/2008 11:22 PM
Surr: Bromofluorobenzene (FID)	104	42-142	%REC 1 5/5/2008 11:22 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/5/2008 11:22 PM
Ethylbenzene	ND	5.0	µg/Kg 1 5/5/2008 11:22 PM
m,p-Xylene	ND	10	µg/Kg 1 5/5/2008 11:22 PM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/5/2008 11:22 PM
o-Xylene	ND	5.0	µg/Kg 1 5/5/2008 11:22 PM
Toluene	ND	5.0	µg/Kg 1 5/5/2008 11:22 PM
Surr: Bromofluorobenzene (PID)	107	71-139	%REC 1 5/5/2008 11:22 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP31-3
Lab Order:	098482	Collection Date:	4/23/2008 1:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-018A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	1.3	1.0	mg/Kg 1 5/1/2008 04:45 PM
Surr: p-Terphenyl	65.6	26-127	%REC 1 5/1/2008 04:45 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/5/2008 11:48 PM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/5/2008 11:48 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/5/2008 11:48 PM
Ethylbenzene	ND	5.0	µg/Kg 1 5/5/2008 11:48 PM
m,p-Xylene	ND	10	µg/Kg 1 5/5/2008 11:48 PM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/5/2008 11:48 PM
o-Xylene	ND	5.0	µg/Kg 1 5/5/2008 11:48 PM
Toluene	ND	5.0	µg/Kg 1 5/5/2008 11:48 PM
Surr: Bromofluorobenzene (PID)	107	71-139	%REC 1 5/5/2008 11:48 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP31-6
Lab Order:	098482	Collection Date:	4/23/2008 1:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-019A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	6.6	1.0	mg/Kg 1 5/1/2008 05:11 PM
Surr: p-Terphenyl	71.1	26-127	%REC 1 5/1/2008 05:11 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 12:13 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 12:13 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 12:13 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 12:13 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 12:13 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 12:13 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 12:13 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 12:13 AM
Surr: Bromofluorobenzene (PID)	104	71-139	%REC 1 5/6/2008 12:13 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc.	Client Sample ID: DP32-3
Lab Order: 098482	Collection Date: 4/23/2008 1:20:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38	Matrix: SOIL
Lab ID: 098482-020A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	7.9	1.0	mg/Kg 1 5/1/2008 05:37 PM
Surr: p-Terphenyl	61.3	26-127	%REC 1 5/1/2008 05:37 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 12:38 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 12:38 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 12:38 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 12:38 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 12:38 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 12:38 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 12:38 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 12:38 AM
Surr: Bromofluorobenzene (PID)	104	71-139	%REC 1 5/6/2008 12:38 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP32-6
Lab Order:	098482	Collection Date:	4/23/2008 1:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-021A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	5.3	1.0	mg/Kg 1 5/1/2008 06:04 PM
Surr: p-Terphenyl	64.7	26-127	%REC 1 5/1/2008 06:04 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 01:04 AM
Surr: Bromofluorobenzene (FID)	104	42-142	%REC 1 5/6/2008 01:04 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 01:04 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 01:04 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 01:04 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 01:04 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 01:04 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 01:04 AM
Surr: Bromofluorobenzene (PID)	107	71-139	%REC 1 5/6/2008 01:04 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP33-3
Lab Order: 098482 **Collection Date:** 4/23/2008 1:50:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-022A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338				PrepDate: 4/30/2008	Analyst: JNV
DRO	2.5	1.0		mg/Kg	1	5/1/2008 06:56 PM
Surr: p-Terphenyl	77.3	26-127		%REC	1	5/1/2008 06:56 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125				PrepDate:	Analyst: KHN
GRO	ND	1.0		mg/Kg	1	5/6/2008 01:29 AM
Surr: Bromofluorobenzene (FID)	102	42-142		%REC	1	5/6/2008 01:29 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125				PrepDate:	Analyst: KHN
Benzene	ND	5.0		µg/Kg	1	5/6/2008 01:29 AM
Ethylbenzene	ND	5.0		µg/Kg	1	5/6/2008 01:29 AM
m,p-Xylene	ND	10		µg/Kg	1	5/6/2008 01:29 AM
Methyl tert-butyl ether	ND	5.0		µg/Kg	1	5/6/2008 01:29 AM
o-Xylene	ND	5.0		µg/Kg	1	5/6/2008 01:29 AM
Toluene	ND	5.0		µg/Kg	1	5/6/2008 01:29 AM
Surr: Bromofluorobenzene (PID)	104	71-139		%REC	1	5/6/2008 01:29 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP33-6
Lab Order:	098482	Collection Date:	4/23/2008 1:50:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-023A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	4.1	1.0	mg/Kg 1 5/1/2008 06:29 PM
Surr: p-Terphenyl	65.2	26-127	%REC 1 5/1/2008 06:29 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 01:54 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 01:54 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 01:54 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 01:54 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 01:54 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 01:54 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 01:54 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 01:54 AM
Surr: Bromofluorobenzene (PID)	105	71-139	%REC 1 5/6/2008 01:54 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP34-0A
Lab Order:	098482	Collection Date:	4/23/2008 2:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-024A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:22 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP34-1
Lab Order:	098482	Collection Date:	4/23/2008 2:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-025A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:25 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP34-3
Lab Order:	098482	Collection Date:	4/23/2008 2:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-027A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV		
DRO	14	10	mg/Kg	10	5/1/2008 07:48 PM
Surr: p-Terphenyl	0	26-127	Sdo %REC	10	5/1/2008 07:48 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN		
GRO	ND	1.0	mg/Kg	1	5/6/2008 02:19 AM
Surr: Bromofluorobenzene (FID)	101	42-142	%REC	1	5/6/2008 02:19 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505A	QC Batch: E08VS125	PrepDate:	Analyst: KHN		
Benzene	ND	5.0	µg/Kg	1	5/6/2008 02:19 AM
Ethylbenzene	ND	5.0	µg/Kg	1	5/6/2008 02:19 AM
m,p-Xylene	ND	10	µg/Kg	1	5/6/2008 02:19 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg	1	5/6/2008 02:19 AM
o-Xylene	ND	5.0	µg/Kg	1	5/6/2008 02:19 AM
Toluene	ND	5.0	µg/Kg	1	5/6/2008 02:19 AM
Surr: Bromofluorobenzene (PID)	104	71-139	%REC	1	5/6/2008 02:19 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP34-6
Lab Order:	098482	Collection Date:	4/23/2008 2:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-028A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430D	QC Batch: 45338	PrepDate: 4/30/2008	Analyst: JNV
DRO	2.8	1.0	mg/Kg 1 5/1/2008 07:22 PM
Surr: p-Terphenyl	64.2	26-127	%REC 1 5/1/2008 07:22 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 05:16 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 05:16 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 05:16 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 05:16 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 05:16 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 05:16 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 05:16 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 05:16 AM
Surr: Bromofluorobenzene (PID)	106	71-139	%REC 1 5/6/2008 05:16 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP35-0
Lab Order:	098482	Collection Date:	4/23/2008 2:40:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-029A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch:	45349		PrepDate:	5/2/2008	Analyst: LKN
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:29 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP35-1
Lab Order:	098482	Collection Date:	4/23/2008 2:40:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-030A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

		EPA 3050M					EPA 6010B
RunID:	ICP6_080502B	QC Batch:	45349			PrepDate:	5/2/2008 Analyst: LKN
Lead		ND	5.0	mg/Kg	1		5/2/2008 01:32 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP35-2
Lab Order:	098482	Collection Date:	4/23/2008 2:40:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-031A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	150	5.0	mg/Kg	1	5/2/2008 01:35 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc.	Client Sample ID: DP35-3
Lab Order: 098482	Collection Date: 4/23/2008 2:40:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38	Matrix: SOIL
Lab ID: 098482-032A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	2.7	1.0	mg/Kg 1 5/2/2008 09:12 AM
Surr: p-Terphenyl	71.0	26-127	%REC 1 5/2/2008 09:12 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 06:57 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 06:57 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 06:57 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 06:57 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 06:57 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 06:57 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 06:57 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 06:57 AM
Surr: Bromofluorobenzene (PID)	108	71-139	%REC 1 5/6/2008 06:57 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP35-6
Lab Order:	098482	Collection Date:	4/23/2008 2:40:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-033A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	5.1	1.0	mg/Kg 1 5/2/2008 09:39 AM
Surr: p-Terphenyl	67.9	26-127	%REC 1 5/2/2008 09:39 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 07:23 AM
Surr: Bromofluorobenzene (FID)	103	42-142	%REC 1 5/6/2008 07:23 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 07:23 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 07:23 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 07:23 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 07:23 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 07:23 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 07:23 AM
Surr: Bromofluorobenzene (PID)	107	71-139	%REC 1 5/6/2008 07:23 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-0
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-034A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 01:46 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-1
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-035A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

		EPA 3050M					EPA 6010B
RunID:	ICP6_080502B	QC Batch:	45349			PrepDate:	5/2/2008 Analyst: LKN
Lead		ND	5.0	mg/Kg	1		5/2/2008 01:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-2
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-036A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

		EPA 3050M					EPA 6010B
RunID:	ICP6_080502B	QC Batch:	45349		PrepDate:	5/2/2008	Analyst: LKN
Lead		ND	5.0	mg/Kg	1	5/2/2008 02:04 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-3
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-037A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	2.3	1.0	mg/Kg 1 5/2/2008 10:05 AM
Surr: p-Terphenyl	73.7	26-127	%REC 1 5/2/2008 10:05 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 07:48 AM
Surr: Bromofluorobenzene (FID)	102	42-142	%REC 1 5/6/2008 07:48 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 07:48 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 07:48 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 07:48 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 07:48 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 07:48 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 07:48 AM
Surr: Bromofluorobenzene (PID)	104	71-139	%REC 1 5/6/2008 07:48 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP36-4
Lab Order: 098482 **Collection Date:** 4/23/2008 3:15:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-038A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080429B	QC Batch:	K08VS188	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1,1-Trichloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1,2,2-Tetrachloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1,2-Trichloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1-Dichloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1-Dichloroethene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,1-Dichloropropene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2,3-Trichlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2,3-Trichloropropane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2,4-Trichlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2,4-Trimethylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2-Dibromo-3-chloropropane	ND	10	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2-Dibromoethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2-Dichlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2-Dichloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,2-Dichloropropane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,3,5-Trimethylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,3-Dichlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,3-Dichloropropane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
1,4-Dichlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
2,2-Dichloropropane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
2-Chlorotoluene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
4-Chlorotoluene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
4-Isopropyltoluene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Benzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Bromobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Bromodichloromethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Bromoform	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Bromomethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Carbon tetrachloride	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Chlorobenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Chloroethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Chloroform	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
Chloromethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	
cis-1,2-Dichloroethene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-4
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-038A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080429B	QC Batch: K08VS188	PrepDate: 4/28/2008	Analyst: AAH
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Compound	Result	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Dibromochloromethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Dibromomethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Dichlorodifluoromethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Ethylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Hexachlorobutadiene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Isopropylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
m,p-Xylene	ND	10	H	µg/Kg	1	4/29/2008 08:28 PM
Methylene chloride	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
n-Butylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
n-Propylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Naphthalene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
o-Xylene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
sec-Butylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Styrene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
tert-Butylbenzene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Tetrachloroethene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Toluene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
trans-1,2-Dichloroethene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Trichloroethene	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Trichlorofluoromethane	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Vinyl chloride	ND	5.1	H	µg/Kg	1	4/29/2008 08:28 PM
Surr: 1,2-Dichloroethane-d4	108	70-130	H	%REC	1	4/29/2008 08:28 PM
Surr: 4-Bromofluorobenzene	94.8	70-130	H	%REC	1	4/29/2008 08:28 PM
Surr: Dibromofluoromethane	108	70-130	H	%REC	1	4/29/2008 08:28 PM
Surr: Toluene-d8	97.5	70-130	H	%REC	1	4/29/2008 08:28 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc.	Client Sample ID: DP36-6
Lab Order: 098482	Collection Date: 4/23/2008 3:15:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38	Matrix: SOIL
Lab ID: 098482-039A	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	3.1	1.0	mg/Kg 1 5/2/2008 10:31 AM
Surr: p-Terphenyl	68.0	26-127	%REC 1 5/2/2008 10:31 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 08:14 AM
Surr: Bromofluorobenzene (FID)	104	42-142	%REC 1 5/6/2008 08:14 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 08:14 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 08:14 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 08:14 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 08:14 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 08:14 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 08:14 AM
Surr: Bromofluorobenzene (PID)	110	71-139	%REC 1 5/6/2008 08:14 AM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP36-8
Lab Order: 098482 **Collection Date:** 4/23/2008 3:15:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-040A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080429B	QC Batch:	K08VS188	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1,1-Trichloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1,2,2-Tetrachloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1,2-Trichloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1-Dichloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1-Dichloroethene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,1-Dichloropropene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2,3-Trichlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2,3-Trichloropropane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2,4-Trichlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2,4-Trimethylbenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2-Dibromo-3-chloropropane	ND	11	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2-Dibromoethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2-Dichlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2-Dichloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,2-Dichloropropane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,3,5-Trimethylbenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,3-Dichlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,3-Dichloropropane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
1,4-Dichlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
2,2-Dichloropropane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
2-Chlorotoluene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
4-Chlorotoluene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
4-Isopropyltoluene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Benzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Bromobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Bromodichloromethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Bromoform	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Bromomethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Carbon tetrachloride	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Chlorobenzene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Chloroethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Chloroform	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
Chloromethane	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	
cis-1,2-Dichloroethene	ND	5.6	H	µg/Kg	1	4/29/2008 08:44 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-8
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-040A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080429B	QC Batch: K08VS188	PrepDate: 4/28/2008	Analyst: AAH
cis-1,3-Dichloropropene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Dibromochloromethane	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Dibromomethane	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Dichlorodifluoromethane	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Ethylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Hexachlorobutadiene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Isopropylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
m,p-Xylene	ND	11	H µg/Kg 1 4/29/2008 08:44 PM
Methylene chloride	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
n-Butylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
n-Propylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Naphthalene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
o-Xylene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
sec-Butylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Styrene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
tert-Butylbenzene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Tetrachloroethene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Toluene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
trans-1,2-Dichloroethene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Trichloroethene	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Trichlorofluoromethane	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Vinyl chloride	ND	5.6	H µg/Kg 1 4/29/2008 08:44 PM
Surr: 1,2-Dichloroethane-d4	108	70-130	H %REC 1 4/29/2008 08:44 PM
Surr: 4-Bromofluorobenzene	93.5	70-130	H %REC 1 4/29/2008 08:44 PM
Surr: Dibromofluoromethane	113	70-130	H %REC 1 4/29/2008 08:44 PM
Surr: Toluene-d8	97.1	70-130	H %REC 1 4/29/2008 08:44 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-10
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-041A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	4.8	1.0	mg/Kg 1 5/2/2008 10:57 AM
Surr: p-Terphenyl	63.3	26-127	%REC 1 5/2/2008 10:57 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 08:39 AM
Surr: Bromofluorobenzene (FID)	101	42-142	%REC 1 5/6/2008 08:39 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 08:39 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 08:39 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 08:39 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 08:39 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 08:39 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 08:39 AM
Surr: Bromofluorobenzene (PID)	104	71-139	%REC 1 5/6/2008 08:39 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP36-12
Lab Order: 098482 **Collection Date:** 4/23/2008 3:15:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-042A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080429B	QC Batch:	K08VS188	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1,1-Trichloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1,2,2-Tetrachloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1,2-Trichloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1-Dichloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1-Dichloroethene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,1-Dichloropropene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2,3-Trichlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2,3-Trichloropropane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2,4-Trichlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2,4-Trimethylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2-Dibromo-3-chloropropane	ND	12	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2-Dibromoethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2-Dichloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,2-Dichloropropane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,3,5-Trimethylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,3-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,3-Dichloropropane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
1,4-Dichlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
2,2-Dichloropropane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
2-Chlorotoluene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
4-Chlorotoluene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
4-Isopropyltoluene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Benzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Bromobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Bromodichloromethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Bromoform	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Bromomethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Carbon tetrachloride	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Chlorobenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Chloroethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Chloroform	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
Chloromethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	
cis-1,2-Dichloroethene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP36-12
Lab Order:	098482	Collection Date:	4/23/2008 3:15:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-042A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080429B	QC Batch: K08VS188	PrepDate: 4/28/2008	Analyst: AAH
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Compound	Result	PQL	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Dibromochloromethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Dibromomethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Dichlorodifluoromethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Ethylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Hexachlorobutadiene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Isopropylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
m,p-Xylene	ND	12	H	µg/Kg	1	4/29/2008 09:00 PM
Methylene chloride	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
n-Butylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
n-Propylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Naphthalene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
o-Xylene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
sec-Butylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Styrene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
tert-Butylbenzene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Tetrachloroethene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Toluene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
trans-1,2-Dichloroethene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Trichloroethene	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Trichlorofluoromethane	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Vinyl chloride	ND	6.0	H	µg/Kg	1	4/29/2008 09:00 PM
Surr: 1,2-Dichloroethane-d4	112	70-130	H	%REC	1	4/29/2008 09:00 PM
Surr: 4-Bromofluorobenzene	92.8	70-130	H	%REC	1	4/29/2008 09:00 PM
Surr: Dibromofluoromethane	111	70-130	H	%REC	1	4/29/2008 09:00 PM
Surr: Toluene-d8	92.2	70-130	H	%REC	1	4/29/2008 09:00 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP37-3
Lab Order:	098482	Collection Date:	4/23/2008 4:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-043A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	8.5	1.0	mg/Kg 1 5/2/2008 12:16 PM
Surr: p-Terphenyl	62.0	26-127	%REC 1 5/2/2008 12:16 PM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 09:04 AM
Surr: Bromofluorobenzene (FID)	99.8	42-142	%REC 1 5/6/2008 09:04 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 09:04 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 09:04 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 09:04 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 09:04 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 09:04 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 09:04 AM
Surr: Bromofluorobenzene (PID)	102	71-139	%REC 1 5/6/2008 09:04 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP37-4
Lab Order: 098482 **Collection Date:** 4/23/2008 4:00:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-044A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080429B	QC Batch:	K08VS188	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1,1-Trichloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1,2,2-Tetrachloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1,2-Trichloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1-Dichloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1-Dichloroethene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,1-Dichloropropene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2,3-Trichlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2,3-Trichloropropane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2,4-Trichlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2,4-Trimethylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2-Dibromo-3-chloropropane	ND	11	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2-Dibromoethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2-Dichlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2-Dichloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,2-Dichloropropane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,3,5-Trimethylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,3-Dichlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,3-Dichloropropane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
1,4-Dichlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
2,2-Dichloropropane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
2-Chlorotoluene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
4-Chlorotoluene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
4-Isopropyltoluene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Benzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Bromobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Bromodichloromethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Bromoform	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Bromomethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Carbon tetrachloride	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Chlorobenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Chloroethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Chloroform	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Chloromethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
cis-1,2-Dichloroethene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP37-4
Lab Order: 098482 **Collection Date:** 4/23/2008 4:00:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-044A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080429B	QC Batch:	K08VS188	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Dibromochloromethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Dibromomethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Dichlorodifluoromethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Ethylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Hexachlorobutadiene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Isopropylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
m,p-Xylene	ND	11	H	µg/Kg	1	4/29/2008 09:16 PM	
Methylene chloride	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
n-Butylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
n-Propylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Naphthalene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
o-Xylene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
sec-Butylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Styrene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
tert-Butylbenzene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Tetrachloroethene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Toluene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
trans-1,2-Dichloroethene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Trichloroethene	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Trichlorofluoromethane	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Vinyl chloride	ND	5.3	H	µg/Kg	1	4/29/2008 09:16 PM	
Surr: 1,2-Dichloroethane-d4	109	70-130	H	%REC	1	4/29/2008 09:16 PM	
Surr: 4-Bromofluorobenzene	91.1	70-130	H	%REC	1	4/29/2008 09:16 PM	
Surr: Dibromofluoromethane	109	70-130	H	%REC	1	4/29/2008 09:16 PM	
Surr: Toluene-d8	96.3	70-130	H	%REC	1	4/29/2008 09:16 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP37-6
Lab Order:	098482	Collection Date:	4/23/2008 4:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-045A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	5.8	1.0	mg/Kg 1 5/2/2008 11:23 AM
Surr: p-Terphenyl	56.1	26-127	%REC 1 5/2/2008 11:23 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 09:30 AM
Surr: Bromofluorobenzene (FID)	105	42-142	%REC 1 5/6/2008 09:30 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 09:30 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 09:30 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 09:30 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 09:30 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 09:30 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 09:30 AM
Surr: Bromofluorobenzene (PID)	108	71-139	%REC 1 5/6/2008 09:30 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP37-8
Lab Order: 098482 **Collection Date:** 4/23/2008 4:00:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-046A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1,1-Trichloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1,2,2-Tetrachloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1,2-Trichloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1-Dichloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1-Dichloroethene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,1-Dichloropropene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2,3-Trichlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2,3-Trichloropropane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2,4-Trichlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2,4-Trimethylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2-Dibromo-3-chloropropane	ND	7.9	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2-Dibromoethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2-Dichlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2-Dichloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,2-Dichloropropane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,3,5-Trimethylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,3-Dichlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,3-Dichloropropane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
1,4-Dichlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
2,2-Dichloropropane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
2-Chlorotoluene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
4-Chlorotoluene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
4-Isopropyltoluene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Benzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Bromobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Bromodichloromethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Bromoform	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Bromomethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Carbon tetrachloride	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Chlorobenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Chloroethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Chloroform	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Chloromethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
cis-1,2-Dichloroethene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP37-8
Lab Order: 098482 **Collection Date:** 4/23/2008 4:00:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-046A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
cis-1,3-Dichloropropene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Dibromochloromethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Dibromomethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Dichlorodifluoromethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Ethylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Hexachlorobutadiene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Isopropylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
m,p-Xylene	ND	7.9	H	µg/Kg	1	5/1/2008 07:00 PM	
Methylene chloride	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
n-Butylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
n-Propylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Naphthalene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
o-Xylene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
sec-Butylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Styrene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
tert-Butylbenzene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Tetrachloroethene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Toluene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
trans-1,2-Dichloroethene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Trichloroethene	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Trichlorofluoromethane	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Vinyl chloride	ND	4.0	H	µg/Kg	1	5/1/2008 07:00 PM	
Surr: 1,2-Dichloroethane-d4	106	70-130	H	%REC	1	5/1/2008 07:00 PM	
Surr: 4-Bromofluorobenzene	91.3	70-130	H	%REC	1	5/1/2008 07:00 PM	
Surr: Dibromofluoromethane	109	70-130	H	%REC	1	5/1/2008 07:00 PM	
Surr: Toluene-d8	94.4	70-130	H	%REC	1	5/1/2008 07:00 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP37-10
Lab Order:	098482	Collection Date:	4/23/2008 4:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-047A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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DIESEL RANGE ORGANICS BY GC/FID

EPA 3550B

EPA 8015B(M)

RunID: GC3_080430C	QC Batch: 45344	PrepDate: 5/1/2008	Analyst: JNV
DRO	4.3	1.0	mg/Kg 1 5/2/2008 11:49 AM
Surr: p-Terphenyl	65.6	26-127	%REC 1 5/2/2008 11:49 AM

GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
GRO	ND	1.0	mg/Kg 1 5/6/2008 09:55 AM
Surr: Bromofluorobenzene (FID)	103	42-142	%REC 1 5/6/2008 09:55 AM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC2_080505B	QC Batch: E08VS126	PrepDate:	Analyst: KHN
Benzene	ND	5.0	µg/Kg 1 5/6/2008 09:55 AM
Ethylbenzene	ND	5.0	µg/Kg 1 5/6/2008 09:55 AM
m,p-Xylene	ND	10	µg/Kg 1 5/6/2008 09:55 AM
Methyl tert-butyl ether	ND	5.0	µg/Kg 1 5/6/2008 09:55 AM
o-Xylene	ND	5.0	µg/Kg 1 5/6/2008 09:55 AM
Toluene	ND	5.0	µg/Kg 1 5/6/2008 09:55 AM
Surr: Bromofluorobenzene (PID)	108	71-139	%REC 1 5/6/2008 09:55 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** DP37-12
Lab Order: 098482 **Collection Date:** 4/23/2008 4:00:00 PM
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** SOIL
Lab ID: 098482-048A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID:	MS4_080501B	QC Batch:	K08VS194	PrepDate:	4/28/2008	Analyst:	AAH
1,1,1,2-Tetrachloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1,1-Trichloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1,2,2-Tetrachloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1,2-Trichloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1-Dichloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1-Dichloroethene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,1-Dichloropropene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2,3-Trichlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2,3-Trichloropropane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2,4-Trichlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2,4-Trimethylbenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2-Dibromo-3-chloropropane	ND	9.5	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2-Dibromoethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2-Dichlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2-Dichloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,2-Dichloropropane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,3,5-Trimethylbenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,3-Dichlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,3-Dichloropropane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
1,4-Dichlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
2,2-Dichloropropane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
2-Chlorotoluene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
4-Chlorotoluene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
4-Isopropyltoluene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Benzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Bromobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Bromodichloromethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Bromoform	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Bromomethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Carbon tetrachloride	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Chlorobenzene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Chloroethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Chloroform	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
Chloromethane	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	
cis-1,2-Dichloroethene	ND	4.8	H	µg/Kg	1	5/1/2008 07:16 PM	

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
 H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit
 S Spike/Surrogate outside of limits due to matrix interference Results are wet unless otherwise specified
 DO Surrogate Diluted Out

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP37-12
Lab Order:	098482	Collection Date:	4/23/2008 4:00:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-048A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: MS4_080501B	QC Batch: K08VS194	PrepDate: 4/28/2008	Analyst: AAH
cis-1,3-Dichloropropene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Dibromochloromethane	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Dibromomethane	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Dichlorodifluoromethane	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Ethylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Hexachlorobutadiene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Isopropylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
m,p-Xylene	ND	9.5	H µg/Kg 1 5/1/2008 07:16 PM
Methylene chloride	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
n-Butylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
n-Propylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Naphthalene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
o-Xylene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
sec-Butylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Styrene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
tert-Butylbenzene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Tetrachloroethene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Toluene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
trans-1,2-Dichloroethene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Trichloroethene	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Trichlorofluoromethane	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Vinyl chloride	ND	4.8	H µg/Kg 1 5/1/2008 07:16 PM
Surr: 1,2-Dichloroethane-d4	120	70-130	H %REC 1 5/1/2008 07:16 PM
Surr: 4-Bromofluorobenzene	99.3	70-130	H %REC 1 5/1/2008 07:16 PM
Surr: Dibromofluoromethane	120	70-130	H %REC 1 5/1/2008 07:16 PM
Surr: Toluene-d8	102	70-130	H %REC 1 5/1/2008 07:16 PM

Qualifiers:	B Analyte detected in the associated Method Blank	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	ND Not Detected at the Reporting Limit
	S Spike/Surrogate outside of limits due to matrix interference	Results are wet unless otherwise specified
	DO Surrogate Diluted Out	

Advanced Technology Laboratories

ANALYTICAL RESULTS
 Print Date: 06-May-08

CLIENT: Geocon Consultants, Inc. **Client Sample ID:** Trip blanks
Lab Order: 098482 **Collection Date:**
Project: South Lake Tahoe US50 ADL, S9300-06-38 **Matrix:** WATER
Lab ID: 098482-049A

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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GASOLINE RANGE ORGANICS BY GC/FID

EPA 8015B(M)

RunID: GC1_080501A	QC Batch: D08VW026				PrepDate:	Analyst: CBB
GRO	ND	0.050		mg/L	1	5/1/2008 12:42 PM
Surr: Bromofluorobenzene (FID)	102	76-127		%REC	1	5/1/2008 12:42 PM

VOLATILE ORGANIC COMPOUNDS BY GC/PID

EPA 8021B

RunID: GC1_080501A	QC Batch: D08VW026				PrepDate:	Analyst: CBB
Benzene	ND	0.50		µg/L	1	5/1/2008 12:42 PM
Ethylbenzene	ND	0.50		µg/L	1	5/1/2008 12:42 PM
m,p-Xylene	ND	1.0		µg/L	1	5/1/2008 12:42 PM
Methyl tert-butyl ether	ND	0.50		µg/L	1	5/1/2008 12:42 PM
o-Xylene	ND	0.50		µg/L	1	5/1/2008 12:42 PM
Toluene	ND	0.50		µg/L	1	5/1/2008 12:42 PM
Surr: Bromofluorobenzene (PID)	89.5	82-136		%REC	1	5/1/2008 12:42 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP34-0B
Lab Order:	098482	Collection Date:	4/23/2008 2:20:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-050A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 02:07 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP30-A
Lab Order:	098482	Collection Date:	4/23/2008 11:55:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-051A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 02:11 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP30-B
Lab Order:	098482	Collection Date:	4/23/2008 11:55:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-052A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 02:14 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 06-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP30-C
Lab Order:	098482	Collection Date:	4/23/2008 11:55:00 AM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-053A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ICP

	EPA 3050M		EPA 6010B			
RunID: ICP6_080502B	QC Batch: 45349		PrepDate: 5/2/2008	Analyst: LKN		
Lead	ND	5.0	mg/Kg	1	5/2/2008 02:17 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45349A	MBLK	6010_SPB	mg/Kg	5/2/2008	94118						
PBS	45349	EPA 6010B EPA 3050M		5/2/2008	1450265						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS-45349	LCS	6010_SPB	mg/Kg	5/2/2008	94118						
LCSS	45349	EPA 6010B EPA 3050M		5/2/2008	1450266						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	239.068	5.0	250.0	0	95.6	80	120				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098482-035A-DUP	DUP	6010_SPB	mg/Kg	5/2/2008	94118						
DP36-1	45349	EPA 6010B EPA 3050M		5/2/2008	1450277						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	8.426	5.0						1.098	154	20	R

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098482-035A-MS	MS	6010_SPB	mg/Kg	5/2/2008	94118						
DP36-1	45349	EPA 6010B EPA 3050M		5/2/2008	1450278						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.983	5.0	250.0	1.098	0.354	45	110				S

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45349B	MBLK	6010_SPB	mg/Kg	5/2/2008	94118						
PBS	45349	EPA 6010B EPA 3050M		5/2/2008	1450279						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	5.0									

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_SPB

Sample ID: 098483-005A-DUP	SampType: DUP	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: ZZZZZZ	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450290						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	17.617	5.0						15.95	9.96	20	

Sample ID: 098483-005A-MS	SampType: MS	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: ZZZZZZ	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450291						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	174.067	5.0	250.0	15.95	63.2	45	110				

Sample ID: 098483-005A-MSD	SampType: MSD	TestCode: 6010_SPB	Units: mg/Kg	Prep Date: 5/2/2008	RunNo: 94118						
Client ID: ZZZZZZ	Batch ID: 45349	TestNo: EPA 6010B EPA 3050M		Analysis Date: 5/2/2008	SeqNo: 1450292						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	157.398	5.0	250.0	15.95	56.6	45	110	174.1	10.1	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: MB-45337	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: PBS	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1449863						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	2.362		2.670		88.5	26	127				

Sample ID: LCS-45337	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: LCSS	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1449864						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	26.466	1.0	33.00	0	80.2	27	105				
Surr: p-Terphenyl	2.178		2.670		81.6	26	127				

Sample ID: 098482-001AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: DP25-3	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1449865						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	24.305	1.0	33.00	7.014	52.4	14	102				
Surr: p-Terphenyl	1.987		2.670		74.4	26	127				

Sample ID: 098482-001AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: DP25-3	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1449866						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	19.606	1.0	33.00	7.014	38.2	14	102	24.31	21.4	20	R
Surr: p-Terphenyl	1.861		2.670		69.7	26	127		0	0	

Sample ID: 098482-001ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: DP25-3	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1449867						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	2.045	1.0						7.014	110	20	R
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098482-001ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94087						
Client ID: DP25-3	Batch ID: 45337	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 5/1/2008	SeqNo: 1449867							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1.859		2.670		69.6	26	127		0	0	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: LCS-45338	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: LCSS	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1450198						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	24.622	1.0	33.00	0	74.6	27	105				
Surr: p-Terphenyl	1.835		2.670		68.7	26	127				

Sample ID: MB-45338	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: PBS	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1450199						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	1.926		2.670		72.1	26	127				

Sample ID: 098482-016AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: DP30-3	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1450200						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	22.872	1.0	33.00	6.456	49.7	14	102				
Surr: p-Terphenyl	1.927		2.670		72.2	26	127				

Sample ID: 098482-016AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: DP30-3	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1450201						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	27.449	1.0	33.00	6.456	63.6	14	102	22.87	18.2	20	
Surr: p-Terphenyl	2.165		2.670		81.1	26	127		0	0	

Sample ID: 098482-016ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: DP30-3	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/1/2008	SeqNo: 1450202						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	2.601	1.0						6.456	85.1	20	R
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098482-016ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 4/30/2008	RunNo: 94109						
Client ID: DP30-3	Batch ID: 45338	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 5/1/2008	SeqNo: 1450202							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1.974		2.670		73.9	26	127		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: LCS-45344	SampType: LCS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: LCSS	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/2/2008	SeqNo: 1450185						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	24.653	1.0	33.00	0	74.7	27	105				
Surr: p-Terphenyl	1.815		2.670		68.0	26	127				

Sample ID: MB-45344	SampType: MBLK	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: PBS	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/2/2008	SeqNo: 1450186						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	1.0									
Surr: p-Terphenyl	1.770		2.670		66.3	26	127				

Sample ID: 098482-032AMS	SampType: MS	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: DP35-3	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/2/2008	SeqNo: 1450187						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	18.345	1.0	33.00	2.663	47.5	14	102				
Surr: p-Terphenyl	1.592		2.670		59.6	26	127				

Sample ID: 098482-032AMSD	SampType: MSD	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: DP35-3	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/2/2008	SeqNo: 1450188						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	18.889	1.0	33.00	2.663	49.2	14	102	18.35	2.92	20	
Surr: p-Terphenyl	1.707		2.670		63.9	26	127		0	0	

Sample ID: 098482-032ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: DP35-3	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)		Analysis Date: 5/2/2008	SeqNo: 1450189						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	3.053	1.0						2.663	13.6	20	
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_DSL LL

Sample ID: 098482-032ADUP	SampType: DUP	TestCode: 8015_S_DSL	Units: mg/Kg	Prep Date: 5/1/2008	RunNo: 94108						
Client ID: DP35-3	Batch ID: 45344	TestNo: EPA 8015B(M EPA 3550B)	Analysis Date: 5/2/2008	SeqNo: 1450189							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1.760		2.670		65.9	26	127		0	0	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: 098482-001AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: DP25-3	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447731							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.910	1.0	5.000	0	98.2	33	120				
Surr: Bromofluorobenzene (FID)	101.799		100.0		102	42	142				

Sample ID: 098482-001AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: DP25-3	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447732							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.688	1.0	5.000	0	93.8	33	120	4.910	4.63	20	
Surr: Bromofluorobenzene (FID)	103.417		100.0		103	42	142		0	20	

Sample ID: 098482-001ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: DP25-3	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447733							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	101.604		100.0		102	42	142		0	0	

Sample ID: E080429MB2	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: PBS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447737							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
Surr: Bromofluorobenzene (FID)	101.185		100.0		101	42	142				

Sample ID: E080429LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447738							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.554	1.0	5.000	0	91.1	74	108				
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080429LCS1	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 93984						
Client ID: LCSS	Batch ID: E08VS120	TestNo: EPA 8015B(M)	Analysis Date: 4/29/2008	SeqNo: 1447738							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	102.650		100.0		103	42	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080505LCS3	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: LCSS	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451303							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.963	1.0	5.000	0	99.3	74	108				
Surr: Bromofluorobenzene (FID)	101.605		100.0		102	42	142				

Sample ID: 098482-016AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: DP30-3	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451305							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.347	1.0	5.000	0	86.9	33	120				
Surr: Bromofluorobenzene (FID)	110.734		100.0		111	42	142				

Sample ID: 098482-016AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: DP30-3	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451306							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.281	1.0	5.000	0	85.6	33	120	4.347	1.53	20	
Surr: Bromofluorobenzene (FID)	100.350		100.0		100	42	142		0	20	

Sample ID: 098482-016ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: DP30-3	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451307							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20	
Surr: Bromofluorobenzene (FID)	104.170		100.0		104	42	142		0	0	

Sample ID: E080505MB3	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: PBS	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451314							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0									
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080505MB3	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94178						
Client ID: PBS	Batch ID: E08VS125	TestNo: EPA 8015B(M)	Analysis Date: 5/5/2008	SeqNo: 1451314							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	102.021		100.0		102	42	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080505MB4	SampType: MBLK	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: PBS	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451706							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0								
Surr: Bromofluorobenzene (FID)	101.543		100.0		102	42	142			

Sample ID: 098482-028AMS	SampType: MS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451708							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.185	1.0	5.000	0	83.7	33	120			
Surr: Bromofluorobenzene (FID)	99.093		100.0		99.1	42	142			

Sample ID: 098482-028AMSD	SampType: MSD	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451709							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.422	1.0	5.000	0	88.4	33	120	4.185	5.51	20
Surr: Bromofluorobenzene (FID)	99.817		100.0		99.8	42	142		0	20

Sample ID: 098482-028ADUP	SampType: DUP	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451710							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	1.0						0	0	20
Surr: Bromofluorobenzene (FID)	102.519		100.0		103	42	142		0	0

Sample ID: E080505LCS4	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: LCSS	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451719							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	4.677	1.0	5.000	0	93.5	74	108			
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Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_S_GAS

Sample ID: E080505LCS4	SampType: LCS	TestCode: 8015_S_GAS	Units: mg/Kg	Prep Date:	RunNo: 94194						
Client ID: LCSS	Batch ID: E08VS126	TestNo: EPA 8015B(M)	Analysis Date: 5/6/2008	SeqNo: 1451719							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (FID)	97.266		100.0		97.3	42	142				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_DSL LL

Sample ID: LCS-45316	SampType: LCS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/29/2008	RunNo: 94060						
Client ID: LCSW	Batch ID: 45316	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 5/1/2008	SeqNo: 1449399						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.884	0.050	1.000	0	88.4	43	105				
Surr: p-Terphenyl	0.061		0.08000		76.2	37	134				

Sample ID: MBL-45316	SampType: MBLK	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/29/2008	RunNo: 94060						
Client ID: PBW	Batch ID: 45316	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 5/1/2008	SeqNo: 1449400						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	ND	0.050									
Surr: p-Terphenyl	0.066		0.08000		82.1	37	134				

Sample ID: 098468-003DMS	SampType: MS	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/29/2008	RunNo: 94060						
Client ID: ZZZZZZ	Batch ID: 45316	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 5/1/2008	SeqNo: 1449401						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	1.027	0.050	1.000	0	103	43	105				
Surr: p-Terphenyl	0.073		0.08000		91.6	37	134				

Sample ID: 098468-004DMSD	SampType: MSD	TestCode: 8015_W_DSL	Units: mg/L	Prep Date: 4/29/2008	RunNo: 94060						
Client ID: ZZZZZZ	Batch ID: 45316	TestNo: EPA 8015B(M EPA 3510C)		Analysis Date: 5/1/2008	SeqNo: 1449402						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

DRO	0.833	0.050	1.000	0	83.3	43	105	1.027	20.8	20	R
Surr: p-Terphenyl	0.061		0.08000		75.7	37	134		0	0	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: D042908MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93985						
Client ID: PBW	Batch ID: D08VW025	TestNo: EPA 8015B(M)		Analysis Date: 4/29/2008	SeqNo: 1447812						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	102.748		100.0		103	76	127				

Sample ID: D042908MB2MS	SampType: MS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93985						
Client ID: ZZZZZ	Batch ID: D08VW025	TestNo: EPA 8015B(M)		Analysis Date: 4/29/2008	SeqNo: 1447813						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.885	0.050	1.000	0	88.5	77	122				
Surr: Bromofluorobenzene (FID)	111.486		100.0		111	76	127				

Sample ID: D042908MB2MSD	SampType: MSD	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93985						
Client ID: ZZZZZ	Batch ID: D08VW025	TestNo: EPA 8015B(M)		Analysis Date: 4/29/2008	SeqNo: 1447814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.872	0.050	1.000	0	87.2	77	122	0.8850	1.48	20	
Surr: Bromofluorobenzene (FID)	111.062		100.0		111	76	127		0	0	

Sample ID: D042908LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 93985						
Client ID: LCSW	Batch ID: D08VW025	TestNo: EPA 8015B(M)		Analysis Date: 4/29/2008	SeqNo: 1447815						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

GRO	0.851	0.050	1.000	0	85.1	77	122				
Surr: Bromofluorobenzene (FID)	110.930		100.0		111	76	127				

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015_W_GP LL

Sample ID: D050108MB2	SampType: MBLK	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 94092						
Client ID: PBW	Batch ID: D08VW026	TestNo: EPA 8015B(M)	Analysis Date: 5/1/2008	SeqNo: 1449930							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	ND	0.050									
Surr: Bromofluorobenzene (FID)	101.617		100.0		102	76	127				

Sample ID: D050108LCS1	SampType: LCS	TestCode: 8015_W_GP	Units: mg/L	Prep Date:	RunNo: 94092						
Client ID: LCSW	Batch ID: D08VW026	TestNo: EPA 8015B(M)	Analysis Date: 5/1/2008	SeqNo: 1449933							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
GRO	0.966	0.050	1.000	0	96.6	77	122				
Surr: Bromofluorobenzene (FID)	112.917		100.0		113	76	127				

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-001AMS		SampType: MS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: DP25-3		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008		SeqNo: 1447755			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	30.964	5.0	35.75	0	86.6	39	113				
Ethylbenzene	34.518	5.0	49.65	0	69.5	38	112				
m,p-Xylene	157.636	10	199.6	0	79.0	42	110				
Methyl tert-butyl ether	576.079	5.0	578.9	0	99.5	51	131				
o-Xylene	60.972	5.0	78.40	0	77.8	35	100				
Toluene	156.561	5.0	172.2	0	90.9	50	110				
Xylenes, Total	218.608	15	278.0	0	78.7	70	130				
Surr: Bromofluorobenzene (PID)	117.368		100.0		117	71	139				

Sample ID: 098482-001AMSD		SampType: MSD		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: DP25-3		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008		SeqNo: 1447756			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	29.306	5.0	35.75	0	82.0	39	113	30.96	5.50	20	
Ethylbenzene	33.316	5.0	49.65	0	67.1	38	112	34.52	3.54	20	
m,p-Xylene	157.344	10	199.6	0	78.8	42	110	157.6	0.185	20	
Methyl tert-butyl ether	524.250	5.0	578.9	0	90.6	51	131	576.1	9.42	20	
o-Xylene	61.789	5.0	78.40	0	78.8	35	100	60.97	1.33	20	
Toluene	149.445	5.0	172.2	0	86.8	50	110	156.6	4.65	20	
Xylenes, Total	219.133	15	278.0	0	78.8	70	130	218.6	0.240	20	
Surr: Bromofluorobenzene (PID)	118.670		100.0		119	71	139		0	20	

Sample ID: 098482-001ADUP		SampType: DUP		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: DP25-3		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008		SeqNo: 1447757			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-001ADUP		SampType: DUP		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: DP25-3		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008				SeqNo: 1447757	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	108.229		100.0		108	71	139		0	20	

Sample ID: E080429MB2		SampType: MBLK		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: PBS		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008				SeqNo: 1447799	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	107.863		100.0		108	71	139				

Sample ID: E080429LCS2		SampType: LCS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 93984	
Client ID: LCSS		Batch ID: E08VS120		TestNo: EPA 8021B		Analysis Date: 4/29/2008				SeqNo: 1447805	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	106.934	5.0	100.0	0	107	81	115				
Ethylbenzene	110.767	5.0	100.0	0	111	82	116				
m,p-Xylene	225.172	10	200.0	0	113	83	120				
Methyl tert-butyl ether	103.418	5.0	100.0	0	103	72	123				
o-Xylene	113.607	5.0	100.0	0	114	84	120				
Toluene	108.981	5.0	100.0	0	109	82	118				
Surr: Bromofluorobenzene (PID)	113.346		100.0		113	71	139				

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: E080505LCS1		SampType: LCS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 94178	
Client ID: LCSS		Batch ID: E08VS125		TestNo: EPA 8021B		Analysis Date: 5/5/2008		SeqNo: 1451324			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	102.640	5.0	100.0	0	103	81	115				
Ethylbenzene	106.873	5.0	100.0	0	107	82	116				
m,p-Xylene	216.743	10	200.0	0	108	83	120				
Methyl tert-butyl ether	97.549	5.0	100.0	0	97.5	72	123				
o-Xylene	108.268	5.0	100.0	0	108	84	120				
Toluene	106.939	5.0	100.0	0	107	82	118				
Surr: Bromofluorobenzene (PID)	107.521		100.0		108	71	139				

Sample ID: 098482-016AMS		SampType: MS		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 94178	
Client ID: DP30-3		Batch ID: E08VS125		TestNo: EPA 8021B		Analysis Date: 5/5/2008		SeqNo: 1451326			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	25.827	5.0	35.75	0	72.2	39	113				
Ethylbenzene	29.443	5.0	49.65	2.533	54.2	38	112				
m,p-Xylene	127.940	10	199.6	0	64.1	42	110				
Methyl tert-butyl ether	483.947	5.0	578.9	0	83.6	51	131				
o-Xylene	50.186	5.0	78.40	0	64.0	35	100				
Toluene	130.419	5.0	172.2	2.099	74.5	50	110				
Surr: Bromofluorobenzene (PID)	109.616		100.0		110	71	139				

Sample ID: 098482-016AMSD		SampType: MSD		TestCode: 8021_S_BTE		Units: µg/Kg		Prep Date:		RunNo: 94178	
Client ID: DP30-3		Batch ID: E08VS125		TestNo: EPA 8021B		Analysis Date: 5/5/2008		SeqNo: 1451327			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	24.966	5.0	35.75	0	69.8	39	113	25.83	3.39	20	
Ethylbenzene	29.551	5.0	49.65	2.533	54.4	38	112	29.44	0.366	20	
m,p-Xylene	137.995	10	199.6	0	69.2	42	110	127.9	7.56	20	
Methyl tert-butyl ether	505.392	5.0	578.9	0	87.3	51	131	483.9	4.34	20	
o-Xylene	48.780	5.0	78.40	0	62.2	35	100	50.19	2.84	20	
Toluene	131.541	5.0	172.2	2.099	75.1	50	110	130.4	0.857	20	

Qualifiers:

B Analyte detected in the associated Method Blank	E Value above quantitation range	H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit	R RPD outside accepted recovery limits	S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out	Calculations are based on raw values	

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-016AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94178						
Client ID: DP30-3	Batch ID: E08VS125	TestNo: EPA 8021B		Analysis Date: 5/5/2008	SeqNo: 1451327						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Bromofluorobenzene (PID)	113.638		100.0		114	71	139		0	20
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Sample ID: 098482-016ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94178						
Client ID: DP30-3	Batch ID: E08VS125	TestNo: EPA 8021B		Analysis Date: 5/5/2008	SeqNo: 1451328						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0						0	0	20
Ethylbenzene	ND	5.0						2.533	0	20
m,p-Xylene	ND	10						0	0	20
Methyl tert-butyl ether	ND	5.0						0	0	20
o-Xylene	ND	5.0						0	0	20
Toluene	ND	5.0						2.099	0	20
Xylenes, Total	ND	15						0	0	20
Surr: Bromofluorobenzene (PID)	104.874		100.0		105	71	139		0	20

Sample ID: E080505MB3	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94178						
Client ID: PBS	Batch ID: E08VS125	TestNo: EPA 8021B		Analysis Date: 5/5/2008	SeqNo: 1451334						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0								
Ethylbenzene	ND	5.0								
m,p-Xylene	ND	10								
Methyl tert-butyl ether	ND	5.0								
o-Xylene	ND	5.0								
Toluene	ND	5.0								
Surr: Bromofluorobenzene (PID)	107.725		100.0		108	71	139			

Qualifiers:

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| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: E080505MB4	SampType: MBLK	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: PBS	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451692						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	5.0									
Ethylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methyl tert-butyl ether	ND	5.0									
o-Xylene	ND	5.0									
Toluene	ND	5.0									
Surr: Bromofluorobenzene (PID)	104.118		100.0		104	71	139				

Sample ID: 098482-028AMS	SampType: MS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451694						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	25.629	5.0	35.75	0	71.7	39	113				
Ethylbenzene	32.948	5.0	49.65	0	66.4	38	112				
m,p-Xylene	139.663	10	199.6	0	70.0	42	110				
Methyl tert-butyl ether	501.473	5.0	578.9	0	86.6	51	131				
o-Xylene	48.930	5.0	78.40	0	62.4	35	100				
Toluene	133.853	5.0	172.2	0	77.7	50	110				
Surr: Bromofluorobenzene (PID)	110.172		100.0		110	71	139				

Sample ID: 098482-028AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451695						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	25.711	5.0	35.75	0	71.9	39	113	25.63	0.319	20	
Ethylbenzene	33.993	5.0	49.65	0	68.5	38	112	32.95	3.12	20	
m,p-Xylene	142.539	10	199.6	0	71.4	42	110	139.7	2.04	20	
Methyl tert-butyl ether	509.006	5.0	578.9	0	87.9	51	131	501.5	1.49	20	
o-Xylene	53.426	5.0	78.40	0	68.1	35	100	48.93	8.79	20	
Toluene	140.852	5.0	172.2	0	81.8	50	110	133.9	5.10	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_S_BTEX

Sample ID: 098482-028AMSD	SampType: MSD	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451695						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Bromofluorobenzene (PID)	114.372		100.0		114	71	139		0	20	

Sample ID: 098482-028ADUP	SampType: DUP	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: DP34-6	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451696						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methyl tert-butyl ether	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
Toluene	0.977	5.0						0	0	20	
Xylenes, Total	ND	15						0	0	20	
Surr: Bromofluorobenzene (PID)	106.060		100.0		106	71	139		0	20	

Sample ID: E080505LCS3	SampType: LCS	TestCode: 8021_S_BTE	Units: µg/Kg	Prep Date:	RunNo: 94194						
Client ID: LCSS	Batch ID: E08VS126	TestNo: EPA 8021B		Analysis Date: 5/6/2008	SeqNo: 1451705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	106.047	5.0	100.0	0	106	81	115				
Ethylbenzene	103.508	5.0	100.0	0	104	82	116				
m,p-Xylene	208.637	10	200.0	0	104	83	120				
Methyl tert-butyl ether	101.314	5.0	100.0	0	101	72	123				
o-Xylene	107.861	5.0	100.0	0	108	84	120				
Toluene	105.539	5.0	100.0	0	106	82	118				
Surr: Bromofluorobenzene (PID)	107.396		100.0		107	71	139				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: D042908MB2	SampType: MBLK	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 93985						
Client ID: PBW	Batch ID: D08VW025	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447818						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
Surr: Bromofluorobenzene (PID)	90.633		100.0		90.6	82	136				

Sample ID: D042908LCS2	SampType: LCS	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 93985						
Client ID: LCSW	Batch ID: D08VW025	TestNo: EPA 8021B		Analysis Date: 4/29/2008	SeqNo: 1447821						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	91.168	0.50	100.0	0	91.2	59	129				
Toluene	91.720	0.50	100.0	0	91.7	68	122				
Ethylbenzene	94.762	0.50	100.0	0	94.8	64	128				
m,p-Xylene	188.240	1.0	200.0	0	94.1	71	124				
o-Xylene	94.603	0.50	100.0	0	94.6	62	124				
Methyl tert-butyl ether	87.982	0.50	100.0	0	88.0	74	133				
Surr: Bromofluorobenzene (PID)	88.231		100.0		88.2	82	136				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8021_WP_BTEX

Sample ID: D050108MB2	SampType: MBLK	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 94092						
Client ID: PBW	Batch ID: D08VW026	TestNo: EPA 8021B		Analysis Date: 5/1/2008	SeqNo: 1449941						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	ND	0.50									
Toluene	ND	0.50									
Ethylbenzene	ND	0.50									
m,p-Xylene	ND	1.0									
o-Xylene	ND	0.50									
Methyl tert-butyl ether	ND	0.50									
Surr: Bromofluorobenzene (PID)	89.629		100.0		89.6	82	136				

Sample ID: D050108LCS2	SampType: LCS	TestCode: 8021_WP_BT	Units: µg/L	Prep Date:	RunNo: 94092						
Client ID: LCSW	Batch ID: D08VW026	TestNo: EPA 8021B		Analysis Date: 5/1/2008	SeqNo: 1449945						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzene	96.483	0.50	100.0	0	96.5	59	129				
Toluene	98.305	0.50	100.0	0	98.3	68	122				
Ethylbenzene	103.622	0.50	100.0	0	104	64	128				
m,p-Xylene	202.071	1.0	200.0	0	101	71	124				
o-Xylene	100.496	0.50	100.0	0	100	62	124				
Methyl tert-butyl ether	87.632	0.50	100.0	0	87.6	74	133				
Surr: Bromofluorobenzene (PID)	93.579		100.0		93.6	82	136				

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080429LCS2		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93972	
Client ID: LCSS		Batch ID: K08VS188		TestNo: EPA 8260B				Analysis Date: 4/29/2008		SeqNo: 1447555	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.440	5.0	50.00	0	107	70	130				
Benzene	49.540	5.0	50.00	0	99.1	70	130				
Chlorobenzene	51.280	5.0	50.00	0	103	70	130				
MTBE	51.250	5.0	50.00	0	103	70	130				
Toluene	53.300	5.0	50.00	0	107	70	130				
Trichloroethene	50.190	5.0	50.00	0	100	70	130				
Surr: 1,2-Dichloroethane-d4	47.330		50.00		94.7	70	130				
Surr: 4-Bromofluorobenzene	47.570		50.00		95.1	70	130				
Surr: Dibromofluoromethane	50.180		50.00		100	70	130				
Surr: Toluene-d8	46.870		50.00		93.7	70	130				

Sample ID: KS080429MB2MS		SampType: MS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93972	
Client ID: ZZZZZ		Batch ID: K08VS188		TestNo: EPA 8260B				Analysis Date: 4/29/2008		SeqNo: 1447556	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.410	5.0	50.00	0	107	70	130				
Benzene	50.330	5.0	50.00	0	101	70	130				
Chlorobenzene	50.540	5.0	50.00	0	101	70	130				
MTBE	52.630	5.0	50.00	0	105	70	130				
Toluene	53.250	5.0	50.00	0	106	70	130				
Trichloroethene	49.850	5.0	50.00	0	99.7	70	130				
Surr: 1,2-Dichloroethane-d4	47.370		50.00		94.7	70	130				
Surr: 4-Bromofluorobenzene	45.790		50.00		91.6	70	130				
Surr: Dibromofluoromethane	50.670		50.00		101	70	130				
Surr: Toluene-d8	47.030		50.00		94.1	70	130				

Sample ID: KS080429MB2MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93972	
Client ID: ZZZZZ		Batch ID: K08VS188		TestNo: EPA 8260B				Analysis Date: 4/29/2008		SeqNo: 1447557	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080429MB2MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93972	
Client ID: ZZZZZZ		Batch ID: K08VS188		TestNo: EPA 8260B				Analysis Date: 4/29/2008		SeqNo: 1447557	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.040	5.0	50.00	0	104	70	130	53.41	2.60	20	
Benzene	50.120	5.0	50.00	0	100	70	130	50.33	0.418	20	
Chlorobenzene	50.330	5.0	50.00	0	101	70	130	50.54	0.416	20	
MTBE	52.330	5.0	50.00	0	105	70	130	52.63	0.572	20	
Toluene	50.840	5.0	50.00	0	102	70	130	53.25	4.63	20	
Trichloroethene	49.360	5.0	50.00	0	98.7	70	130	49.85	0.988	20	
Surr: 1,2-Dichloroethane-d4	49.080		50.00		98.2	70	130		0	20	
Surr: 4-Bromofluorobenzene	48.980		50.00		98.0	70	130		0	20	
Surr: Dibromofluoromethane	52.480		50.00		105	70	130		0	20	
Surr: Toluene-d8	47.650		50.00		95.3	70	130		0	20	

Sample ID: KS080429MB2		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 93972	
Client ID: PBS		Batch ID: K08VS188		TestNo: EPA 8260B				Analysis Date: 4/29/2008		SeqNo: 1447558	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080429MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93972						
Client ID: PBS	Batch ID: K08VS188	TestNo: EPA 8260B		Analysis Date: 4/29/2008	SeqNo: 1447558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080429MB2	SampType: MBLK	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93972						
Client ID: PBS	Batch ID: K08VS188	TestNo: EPA 8260B		Analysis Date: 4/29/2008	SeqNo: 1447558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	47.680		50.00		95.4	70	130				
Surr: 4-Bromofluorobenzene	42.460		50.00		84.9	70	130				
Surr: Dibromofluoromethane	49.150		50.00		98.3	70	130				
Surr: Toluene-d8	44.570		50.00		89.1	70	130				

Sample ID: 098479-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93972						
Client ID: ZZZZZZ	Batch ID: K08VS188	TestNo: EPA 8260B		Analysis Date: 4/29/2008	SeqNo: 1447564						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098479-001ADUP		SampType: DUP		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		RunNo: 93972			
Client ID: ZZZZZZ		Batch ID: K08VS188		TestNo: EPA 8260B		Analysis Date: 4/29/2008		SeqNo: 1447564			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						1.300	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098479-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 93972						
Client ID: ZZZZZZ	Batch ID: K08VS188	TestNo: EPA 8260B		Analysis Date: 4/29/2008	SeqNo: 1447564						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	49.480		50.00		99.0	70	130		0	20	
Surr: 4-Bromofluorobenzene	42.270		50.00		84.5	70	130		0	20	
Surr: Dibromofluoromethane	51.290		50.00		103	70	130		0	20	
Surr: Toluene-d8	47.840		50.00		95.7	70	130		0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080501LCS2		SampType: LCS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 94081	
Client ID: LCSS		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449712			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.380	5.0	50.00	0	105	70	130				
Benzene	51.090	5.0	50.00	0	102	70	130				
Chlorobenzene	50.530	5.0	50.00	0	101	70	130				
MTBE	51.770	5.0	50.00	0	104	70	130				
Toluene	53.200	5.0	50.00	0	106	70	130				
Trichloroethene	49.860	5.0	50.00	0	99.7	70	130				
Surr: 1,2-Dichloroethane-d4	47.350		50.00		94.7	70	130				
Surr: 4-Bromofluorobenzene	48.650		50.00		97.3	70	130				
Surr: Dibromofluoromethane	50.160		50.00		100	70	130				
Surr: Toluene-d8	46.990		50.00		94.0	70	130				

Sample ID: KS080501MB3MS		SampType: MS		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 94081	
Client ID: ZZZZZ		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449713			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.860	5.0	50.00	0	106	70	130				
Benzene	50.360	5.0	50.00	0	101	70	130				
Chlorobenzene	50.930	5.0	50.00	0	102	70	130				
MTBE	52.800	5.0	50.00	0	106	70	130				
Toluene	53.500	5.0	50.00	0	107	70	130				
Trichloroethene	50.740	5.0	50.00	0	101	70	130				
Surr: 1,2-Dichloroethane-d4	49.000		50.00		98.0	70	130				
Surr: 4-Bromofluorobenzene	49.860		50.00		99.7	70	130				
Surr: Dibromofluoromethane	52.900		50.00		106	70	130				
Surr: Toluene-d8	50.480		50.00		101	70	130				

Sample ID: KS080501MB3MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 94081	
Client ID: ZZZZZ		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449714			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080501MB3MSD		SampType: MSD		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 94081	
Client ID: ZZZZZZ		Batch ID: K08VS194		TestNo: EPA 8260B				Analysis Date: 5/1/2008		SeqNo: 1449714	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	53.240	5.0	50.00	0	106	70	130	52.86	0.716	20	
Benzene	51.610	5.0	50.00	0	103	70	130	50.36	2.45	20	
Chlorobenzene	52.480	5.0	50.00	0	105	70	130	50.93	3.00	20	
MTBE	53.060	5.0	50.00	0	106	70	130	52.80	0.491	20	
Toluene	54.240	5.0	50.00	0	108	70	130	53.50	1.37	20	
Trichloroethene	50.770	5.0	50.00	0	102	70	130	50.74	0.0591	20	
Surr: 1,2-Dichloroethane-d4	46.490		50.00		93.0	70	130		0	20	
Surr: 4-Bromofluorobenzene	47.210		50.00		94.4	70	130		0	20	
Surr: Dibromofluoromethane	49.420		50.00		98.8	70	130		0	20	
Surr: Toluene-d8	46.570		50.00		93.1	70	130		0	20	

Sample ID: KS080501MB3		SampType: MBLK		TestCode: 8260_S_5035		Units: µg/Kg		Prep Date:		RunNo: 94081	
Client ID: PBS		Batch ID: K08VS194		TestNo: EPA 8260B				Analysis Date: 5/1/2008		SeqNo: 1449715	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									
1,1,1-Trichloroethane	ND	5.0									
1,1,2,2-Tetrachloroethane	ND	5.0									
1,1,2-Trichloroethane	ND	5.0									
1,1-Dichloroethane	ND	5.0									
1,1-Dichloroethene	ND	5.0									
1,1-Dichloropropene	ND	5.0									
1,2,3-Trichlorobenzene	ND	5.0									
1,2,3-Trichloropropane	ND	5.0									
1,2,4-Trichlorobenzene	ND	5.0									
1,2,4-Trimethylbenzene	ND	5.0									
1,2-Dibromo-3-chloropropane	ND	10									
1,2-Dibromoethane	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,2-Dichloroethane	ND	5.0									

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080501MB3		SampType: MBLK		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		RunNo: 94081			
Client ID: PBS		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449715			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloropropane	ND	5.0									
1,3,5-Trimethylbenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,3-Dichloropropane	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,2-Dichloropropane	ND	5.0									
2-Chlorotoluene	ND	5.0									
4-Chlorotoluene	ND	5.0									
4-Isopropyltoluene	ND	5.0									
Benzene	ND	5.0									
Bromobenzene	ND	5.0									
Bromodichloromethane	ND	5.0									
Bromoform	ND	5.0									
Bromomethane	ND	5.0									
Carbon tetrachloride	ND	5.0									
Chlorobenzene	ND	5.0									
Chloroethane	ND	5.0									
Chloroform	ND	5.0									
Chloromethane	ND	5.0									
cis-1,2-Dichloroethene	ND	5.0									
cis-1,3-Dichloropropene	ND	5.0									
Dibromochloromethane	ND	5.0									
Dibromomethane	ND	5.0									
Dichlorodifluoromethane	ND	5.0									
Ethylbenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Isopropylbenzene	ND	5.0									
m,p-Xylene	ND	10									
Methylene chloride	ND	5.0									
MTBE	ND	5.0									

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: KS080501MB3		SampType: MBLK		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		RunNo: 94081			
Client ID: PBS		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449715			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	5.0									
n-Propylbenzene	ND	5.0									
Naphthalene	ND	5.0									
o-Xylene	ND	5.0									
sec-Butylbenzene	ND	5.0									
Styrene	ND	5.0									
tert-Butylbenzene	ND	5.0									
Tetrachloroethene	ND	5.0									
Toluene	ND	5.0									
trans-1,2-Dichloroethene	ND	5.0									
Trichloroethene	ND	5.0									
Trichlorofluoromethane	ND	5.0									
Vinyl chloride	ND	5.0									
Surr: 1,2-Dichloroethane-d4	50.470		50.00		101	70	130				
Surr: 4-Bromofluorobenzene	44.440		50.00		88.9	70	130				
Surr: Dibromofluoromethane	53.830		50.00		108	70	130				
Surr: Toluene-d8	50.200		50.00		100	70	130				

Sample ID: 098472-001ADUP		SampType: DUP		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		RunNo: 94081			
Client ID: ZZZZZZ		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449722			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,1-Trichloroethane	ND	5.0						0	0	20	
1,1,2,2-Tetrachloroethane	ND	5.0						0	0	20	
1,1,2-Trichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethane	ND	5.0						0	0	20	
1,1-Dichloroethene	ND	5.0						0	0	20	
1,1-Dichloropropene	ND	5.0						0	0	20	
1,2,3-Trichlorobenzene	ND	5.0						0	0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098472-001ADUP		SampType: DUP		TestCode: 8260_S_5035 Units: µg/Kg		Prep Date:		RunNo: 94081			
Client ID: ZZZZZZ		Batch ID: K08VS194		TestNo: EPA 8260B		Analysis Date: 5/1/2008		SeqNo: 1449722			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	5.0						0	0	20	
1,2,4-Trichlorobenzene	ND	5.0						0	0	20	
1,2,4-Trimethylbenzene	ND	5.0						0	0	20	
1,2-Dibromo-3-chloropropane	ND	10						0	0	20	
1,2-Dibromoethane	ND	5.0						0	0	20	
1,2-Dichlorobenzene	ND	5.0						0	0	20	
1,2-Dichloroethane	ND	5.0						0	0	20	
1,2-Dichloropropane	ND	5.0						0	0	20	
1,3,5-Trimethylbenzene	ND	5.0						0	0	20	
1,3-Dichlorobenzene	ND	5.0						0	0	20	
1,3-Dichloropropane	ND	5.0						0	0	20	
1,4-Dichlorobenzene	ND	5.0						0	0	20	
2,2-Dichloropropane	ND	5.0						0	0	20	
2-Chlorotoluene	ND	5.0						0	0	20	
4-Chlorotoluene	ND	5.0						0	0	20	
4-Isopropyltoluene	ND	5.0						0	0	20	
Benzene	ND	5.0						0	0	20	
Bromobenzene	ND	5.0						0	0	20	
Bromodichloromethane	ND	5.0						0	0	20	
Bromoform	ND	5.0						0	0	20	
Bromomethane	ND	5.0						0	0	20	
Carbon tetrachloride	ND	5.0						0	0	20	
Chlorobenzene	ND	5.0						0	0	20	
Chloroethane	ND	5.0						0	0	20	
Chloroform	ND	5.0						0	0	20	
Chloromethane	ND	5.0						0	0	20	
cis-1,2-Dichloroethene	ND	5.0						0	0	20	
cis-1,3-Dichloropropene	ND	5.0						0	0	20	
Dibromochloromethane	ND	5.0						0	0	20	
Dibromomethane	ND	5.0						0	0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_S_5035ENC

Sample ID: 098472-001ADUP	SampType: DUP	TestCode: 8260_S_5035	Units: µg/Kg	Prep Date:	RunNo: 94081						
Client ID: ZZZZZZ	Batch ID: K08VS194	TestNo: EPA 8260B		Analysis Date: 5/1/2008	SeqNo: 1449722						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	ND	5.0						0	0	20	
Ethylbenzene	ND	5.0						0	0	20	
Hexachlorobutadiene	ND	5.0						0	0	20	
Isopropylbenzene	ND	5.0						0	0	20	
m,p-Xylene	ND	10						0	0	20	
Methylene chloride	ND	5.0						0	0	20	
MTBE	ND	5.0						0	0	20	
n-Butylbenzene	ND	5.0						0	0	20	
n-Propylbenzene	ND	5.0						0	0	20	
Naphthalene	ND	5.0						0	0	20	
o-Xylene	ND	5.0						0	0	20	
sec-Butylbenzene	ND	5.0						0	0	20	
Styrene	ND	5.0						0	0	20	
tert-Butylbenzene	ND	5.0						0	0	20	
Tetrachloroethene	ND	5.0						0	0	20	
Toluene	ND	5.0						0	0	20	
trans-1,2-Dichloroethene	ND	5.0						0	0	20	
Trichloroethene	ND	5.0						0	0	20	
Trichlorofluoromethane	ND	5.0						0	0	20	
Vinyl chloride	ND	5.0						0	0	20	
Surr: 1,2-Dichloroethane-d4	50.470		50.00		101	70	130		0	20	
Surr: 4-Bromofluorobenzene	38.950		50.00		77.9	70	130		0	20	
Surr: Dibromofluoromethane	52.390		50.00		105	70	130		0	20	
Surr: Toluene-d8	47.640		50.00		95.3	70	130		0	20	

Qualifiers:

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|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CHAIN OF CUSTODY RECORD

 <p>Advanced Technology Laboratories</p> <p>3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	FOR LABORATORY USE ONLY			
	P.O. #: _____ Logged By: <i>[Signature]</i> Date: <i>4/28/08</i>	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED <i>24°C</i> Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>	

Client: Geocon Consultants, Inc. Attention: Alfred Worcester	Address: 3160 Gold Valley Dr, Suit 800 City: Rancho Cordova State: CA Zip Code: 95742	Tel: 916.852.9118 Fax: 916.852.9132
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Project Name: South Lake Tahoe US50 ADL	Project #: S9300.06-38	Sampler: Alfred Worcester, Lanca Fisher
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Relinquished by: (Signature and Printed Name) Alfred Worcester	Date: <i>4.25.08</i>	Time: <i>1500</i>	Received by: Golden State Overnight	Date: _____	Time: <i>10:50</i>
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Relinquished by: (Signature and Printed Name)	Date: _____	Time: _____	Received by: (Signature and Printed Name) <i>[Signature]</i>	Date: <i>4/28/08</i>	Time: <i>10:00</i>
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Relinquished by: (Signature and Printed Name)	Date: _____	Time: _____	Received by: (Signature and Printed Name)	Date: _____	Time: _____
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I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester (Print Name) Date: <i>4/25/08</i>	Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW
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Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): ■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)	Circle or Add Analysis(es) Requested 8091A (Pesticides) _____ 8092 (PCB) _____ 8280B (Volatiles) _____ 8270C (BVA) _____ 8010B (Total Metal) _____ 8015B (GRO) / 8020 (BTEX) _____ 8015B (DRO) _____ 8015B (TEX) _____ TITLE 22 / CAM 17 (6010 / 7000) _____ Total Lead (6010B) _____ SOIL _____ WATER _____ GROUND WATER _____ WASTEWATER _____	SPECIFY APPROPRIATE MATRIX TAT # Type	PRESERVATION QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____ REMARKS
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ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										PRESERVATION	REMARKS						
	Batch #:	Lab No.	Sample ID / Location	Date	Time	8091A (Pesticides)	8092 (PCB)	8280B (Volatiles)	8270C (BVA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8015B (TEX)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead (6010B)	SOIL			WATER	GROUND WATER	WASTEWATER	TAT	#	Type
	098482-01		DP 25-3	4.23.08	8:15					X	X	X				X					5	1	T	
	- 2		DP 25-6							X	X	X				X					5	1	T	
			DP 25-3 Encore					X								X					5	3	E	Encore
			DP 25-6 Encore					X								X					5	3	E	Encore
	- 3		DP 26-3		9:00					X	X	X				X					5	1	T	
			DP 26-3 Encore					X								X					5	3	E	Encore
	- 4		DP 26-6							X	X	X				X					5	1	T	
			DP 26-6 Encore					X								X					5	3	E	Encore
	- 5		DP 27-3		9:59					X	X	X				X					5	1	T	
	- 6		DP 27-6							X	X	X				X					5	1	T	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = Overnight ≤ 24 hrs <input type="checkbox"/> B = Emergency Next Workday <input type="checkbox"/> C = Critical 2 Workdays <input type="checkbox"/> D = Urgent 3 Workdays <input type="checkbox"/> E = Routine 7 Workdays	Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal		

CHAIN OF CUSTODY RECORD

 <p>Advanced Technology Laboratories</p> <p>3275 Walnut Avenue Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040</p>	FOR LABORATORY USE ONLY		
	P.O. #: _____ Logged By: <u>[Signature]</u> Date: <u>4/21/08</u>	Method of Transport Client <input type="checkbox"/> ATL <input type="checkbox"/> CA OverN <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	Sample Condition Upon Receipt 1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/> 2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/> 3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>

Client: Geocon Consultants, Inc.	Address: 3160 Gold Valley Dr, Suit 800	Tel: 916.852.9118
Attention: Alfred Worcester	City: Rancho Cordova State: CA Zip Code: 95742	Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL	Project #: 99300-06-38	Sampler: Alfred Worcester, Lance Fisher (Signature) <u>[Signature]</u>
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Relinquished by: (Signature and Printed Name) Alfred Worcester	Date: <u>4-25-08</u>	Time: <u>15:00</u>	Received by: Golden State Overnight	Date:	Time:
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Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) <u>[Signature]</u>	Date: <u>4/28/08</u>	Time: <u>1000</u>
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Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
---	-------	-------	---	-------	-------

I hereby authorize ATL to perform the work indicated below: Project Mgr /Submitter: Alfred P. Worcester <u>4-25-08</u> Print Name Date <u>[Signature]</u> Signature	Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____	Special Instructions/Comments: Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW
--	---	--	--

Sample/Records - Archival & Disposal Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report. Storage Fees (applies when storage is requested): ■ Sample :\$2.00 / sample /mo (after 45 days) ■ Records: \$1 /ATL workorder /mo (after 1 year)	Circle or Add Analysis(es) Requested 8091A (Pesticides) _____ 8092 (PCB) _____ 8260B (Volatiles) _____ 8270C (BNA) _____ 8010B (Total Metal) _____ 8015B (GRO) / 8020 (BTEX) _____ 8015B (DRO) _____ TITLE 22 / CAM 17 (6010 / 7000) _____ Total Lead (6010B) _____ SOIL _____ WATER _____ GROUND WATER _____ WASTEWATER _____	SPECIFY APPROPRIATE MATRIX TAT # Type	QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/> SWRCB <input type="checkbox"/> Logcode _____ OTHER _____
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ITEM	LAB USE ONLY:		Sample Description				SPECIFY APPROPRIATE MATRIX										PRESERVATION	REMARKS				
	Batch #:	Sample Description	Date	Time	8091A (Pesticides)	8092 (PCB)	8260B (Volatiles)	8270C (BNA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	TITLE 22 / CAM 17 (6010 / 7000)	Total Lead (6010B)	SOIL	WATER	GROUND WATER			WASTEWATER	TAT	#	Type
	098482-15	DP 29-6	4-23-08	11:30					X	X	X			X					5	1	T	
	-16	DP 30-3		11:50					X	X	X			X					5	1	T	
	-17	DP 30-6		11:50					X	X	X			X					5	1	T	
	-18	DP 31-3		13:00					X	X	X			X					5	1	T	
	-19	DP 31-6		"					X	X	X			X					5	1	T	
	-20	DP 32-3		13:20					X	X	X			X					5	-1	T	
	-21	DP 32-6		"					X	X	X			X					5	1	T	
	-22	DP 33-3		13:50					X	X	X			X					5	1	T	
	-23	DP 33-6		"					X	X	X			X					5	1	T	
	-24	DP 34-0		14:20					X	X	X	X		X					5	1	P	

■ TAT starts 8AM the following day if samples received after 3 PM	TAT: <input type="checkbox"/> A = <input type="checkbox"/> B = <input type="checkbox"/> C = <input type="checkbox"/> D = <input type="checkbox"/> E =	Overnight ≤ 24 hrs Emergency Next Workday Critical 2 Workdays Urgent 3 Workdays Routine 7 Workdays	Preservatives: H=HCl N=HNO ₃ S=H ₂ SO ₄ C=4°C Z=Zn(AC) ₂ O=NaOH T=Na ₂ S ₂ O ₃
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal			

CHAIN OF CUSTODY RECORD



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: *[Signature]* Date: *4/28/08*

Method of Transport	Sample Condition Upon Receipt
Client <input type="checkbox"/>	1. CHILLED Y <input type="checkbox"/> N <input type="checkbox"/> 4. SEALED Y <input type="checkbox"/> N <input type="checkbox"/>
ATL <input type="checkbox"/>	2. HEADSPACE (VOA) Y <input type="checkbox"/> N <input type="checkbox"/> 5. # OF SPLS MATCH COC Y <input type="checkbox"/> N <input type="checkbox"/>
CA OverN <input type="checkbox"/>	3. CONTAINER INTACT Y <input type="checkbox"/> N <input type="checkbox"/> 6. PRESERVED Y <input type="checkbox"/> N <input type="checkbox"/>
FedEx <input type="checkbox"/>	
Other: _____	

Client: Geocon Consultants, Inc.

Address: 3160 Gold Valley Dr, Suit 800

Tel: 916.852.9118

Attention: Alfred Worcester

City: Rancho Cordova

State: CA

Zip Code: 95742

Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL

Project #: 1S9300-06-38

Sampler: Alfred Worcester; Lance Fisher

Signature: *[Signature]*

Relinquished by: (Signature and Printed Name) Alfred Worcester

Date: *4-25-08* Time: *15:00* Received by: Golden State Overnight

Date: _____ Time: _____

Relinquished by: (Signature and Printed Name)

Date: _____ Time: _____ Received by: (Signature and Printed Name)

Date: *4/28/08* Time: *1000*

Relinquished by: (Signature and Printed Name)

Date: _____ Time: _____ Received by: (Signature and Printed Name)

Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Alfred P. Worcester *4-25-08*
Print Name Date
[Signature]
Signature

Send Report To:
Attn: _____
Co: Same as above
Addr: _____
City: _____ State: _____ Zip: _____

Bill To:
Attn: _____
Co: Same as above
Addr: _____
City: _____ State: _____ Zip: _____

Special Instructions/Comments:
Homogonize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
■ Sample :\$2.00 / sample /mo (after 45 days)
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX				PRESERVATION	REMARKS
	SOIL	WATER	GROUND WATER	WASTEWATER		
8081A (Pesticides)					QA/QC RTNE <input type="checkbox"/> CT <input checked="" type="checkbox"/>	
8082 (PCB)						SWRCB <input type="checkbox"/> Logcode _____
8260B (Volatiles)					OTHER _____	
8270C (BNA)						
8010B (Total Metal)						
8015B (GRO) / 8020 (BTEX)						
8015B (DRO)						
8021 (BTEX) / TITLE 22 / CAM 17 (6010 / 7000)						
Total Lead (8010B)						

I T E M	LAB USE ONLY:		Sample Description		
	Batch #:	Sample ID / Location	Date	Time	
	098482-25	DP 34-1	4.23.06	14:20	
	-26	DP 34-2			
	-27	DP 34-3 Tube			
	-28	DP 34-4 Tube			
	-29	DP 35-0		14:40	
	-30	DP 35-1			
	-31	DP 35-2			
	-32	DP 35-3 Tube			
	-33	DP 35-6 Tube			
	-34	DP 36-0		15:15	

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays

Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

CHAIN OF CUSTODY RECORD



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: *[Signature]* Date: *4/25/08*

Method of Transport		Sample Condition Upon Receipt	
Client <input type="checkbox"/>	1. CHILLED <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	4. SEALED <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
ATL <input type="checkbox"/>	2. HEADSPACE (VOA) <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	5. # OF SPLS MATCH COC <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CA OverN <input type="checkbox"/>	3. CONTAINER INTACT <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	6. PRESERVED <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
FedEx <input type="checkbox"/>			
Other: _____			

Client: Geocon Consultants, Inc. Address: 3160 Gold Valley Dr, Suit 800 Tel: 916.852.9118
Attention: Alfred Worcester City: Rancho Cordova State: CA Zip Code: 95742 Fax: 916.852.9132

Project Name: South Lake Tahoe US50 ADL Project #: 99300-06-38 Sampler: Alfred Worcester, Lance Fisher (Signature) *[Signature]*
Relinquished by: (Signature and Printed Name) Alfred Worcester Date: *4/25/08* Time: *15:00* Received by: Golden State Overnight Date: _____ Time: _____
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) *[Signature]* Date: *4/29/08* Time: *1000*
Relinquished by: (Signature and Printed Name) _____ Date: _____ Time: _____ Received by: (Signature and Printed Name) _____ Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Alfred P. Worcester *4/25/08*
[Signature] Date: _____
Send Report To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____
Bill To: Attn: _____ Co: Same as above Addr: _____ City: _____ State: _____ Zip: _____
Special Instructions/Comments: Homogenize per Caltrans Contract #03A1368. Five (5) day TAT. Please hard copy Kari Cook (cook@geoconinc.com) with results; EDF the report and include an excel file. APW

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.
Storage Fees (applies when storage is requested):
■ Sample: \$2.00 / sample /mo (after 45 days)
■ Records: \$1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested	SPECIFY APPROPRIATE MATRIX										PRESERVATION	QA/QC					
	8081A (Pesticides)	8082 (PCB)	8200B (Nitrates)	8270C (BVA)	8010B (Total Metal)	8015B (GRO) / 8020 (BTEX)	8015B (DRO)	8021 (BTEX)	8022 (CAM 17)	8010 / 7000			SOIL	WATER	GROUND WATER	WASTEWATER	TAT

LAB USE ONLY:	Sample Description			
	Batch #:	Sample ID / Location	Date	Time
095482-45	DP 37-6		4.29.08	16:00
-46	DP 37-8		↓	↓
-47	DP 37-10		↓	↓
-48	DP 37-12		↓	↓
	DP			
	DP			
-49	DP Trip blanks			
	DP			
	DP			
	DP			

■ TAT starts 8AM the following day if samples received after 3 PM
TAT: A = Overnight ≤ 24 hrs B = Emergency Next Workday C = Critical 2 Workdays D = Urgent 3 Workdays E = Routine 7 Workdays
Preservatives: H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃
Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Fernando Diwa

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Monday, April 28, 2008 3:40 PM
To: Fernando Diwa
Cc: Carmen Aguila; Diane Galvan
Subject: RE: South Lake Tahoe US50 ADL (4/28/08)

1. The encore samples received were already beyond holding time. Please analyze as requested. Information provided by Diane indicated that frozen Encore samples can be held for 14 days. These samples were shipped on dry ice.
2. No sample received for DP34-2, but received 2 baggies (Ziploc) of samples labeled as DP-34-0. Please analyze both as DP34-0 (with an ATL lab label to identify as two separate results).
3. No samples (water) received for DP-28 (time of collection per COC is 10:30), but received extra samples (4 voas and a liter amber) labeled as DP 28-6 (time of collection is 10:35). Please analyze all water samples as DP28.
4. The 32 oz amber glasses received for DP-28 and DP-27 were half-filled. Diesel analysis requires a liter of water sample. Please perform the analysis as best you can...increase the detection limited if necessary. Our temporary wells ran dry, and this was all we could collect in a timely fashion.
5. Received broken voas (water samples), 1 voa for DP-28-6 and 2 voas for Trip Blanks. Please perform VOA analysis for DP28 as best you can. Can't be fixed otherwise.
6. Received extra samples not listed on the COC: 3 baggies of soil labeled as DP 30 all collected on 4/23/08 @ 11:55 and one voa (water) labeled as DP 14 collected on 4/22/08 @ 12.01. Please perform total lead analysis on the DP30 baggies. Are these labeled with depths, i.e. as DP30-0, -1, and -2? The DP14 VOA is one of 4 that should have gone out with the original shipment.

Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916.852.9118
Fax: 916.852.9132
Cel: 916.508.3076

GEOTECHNICAL ENVIRONMENTAL MATERIALS

4/28/2008

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore
Carson City Las Vegas Portland

CONFIDENTIALITY NOTICE: This email may contain confidential and privileged material for the sole use of the intended recipient(s). Any review, use, distribution or disclosure by others is strictly prohibited. If you have received this communication in error, please notify the sender immediately by email and delete the message and any file attachments from your computer.

Thank you.

From: Fernando Diwa [mailto:fernando@atlglobal.com]

Sent: Monday, April 28, 2008 1:55 PM

To: worcester@geoconinc.com

Cc: Carmen Aguila; Diane Galvan

Subject: South Lake Tahoe US50 ADL (4/28/08)

Hi Alfred,

This is with regards to the samples that we received today for this project and find some issues on the following:

1. The encore samples received were already beyond holding time.
2. No sample received for DP34-2, but received 2 baggies (ziplock) of samples labelled as DP-34-0.
3. No samples (water) received for DP-28 (time of collection per COC is 10:30), but received extra samples (4 voas and a liter amber) labelled as DP 28-6 (time of collection is 10:35).
4. The 32 oz amber glasses received for DP-28 and DP-27 were half-full filled. Diesel analysis requires a liter of water sample.
5. Received broken voas (water samples), 1 voa for DP-28-6 and 2 voas for Trip Blanks.
6. Received extra samples not listed on the COC: 3 baggies of soil labelled as DP 30 all collected on 4/23/08 @ 11:55 and one voa (water) labelled as DP 14 collected on 4/22/08 @ 12.01.

Your immediate response on this matter will be greatly appreciated.

Ronnie.

4/28/2008

May 14, 2008



Alfred Worcester
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098483

RE: South Lake Tahoe US50 ADL, S9300-06-38

Attention: Alfred Worcester

Enclosed are the results for sample(s) received on April 28, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,


Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38
Lab Order: 098483

CASE NARRATIVE

Analytical Comments for Method 7420

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for samples 098463-041AMS and 098527-039AMS; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 14-May-08

CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38

Lab Order: 098483

Lab ID: 098483-001 **Collection Date:** 4/24/2008

Client Sample ID: HA38-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514B	QC Batch: R94518				PrepDate:	Analyst: LKN
Lead	4.8	0.25		mg/L	1	5/14/2008

PH

EPA 9045C

RunID: WETCHEM_080512B	QC Batch: R94403				PrepDate:	Analyst: CNP
pH	7.4	0.10		pH Units	1	5/12/2008

Lab ID: 098483-004 **Collection Date:** 4/24/2008

Client Sample ID: HA39-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514B	QC Batch: R94518				PrepDate:	Analyst: LKN
Lead	8.0	0.25		mg/L	1	5/14/2008

Lab ID: 098483-006 **Collection Date:** 4/24/2008

Client Sample ID: HA39-2 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514B	QC Batch: R94518				PrepDate:	Analyst: LKN
Lead	1.4	0.25		mg/L	1	5/14/2008

Lab ID: 098483-007 **Collection Date:** 4/24/2008

Client Sample ID: HA40-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514B	QC Batch: R94518				PrepDate:	Analyst: LKN
Lead	7.1	0.25		mg/L	1	5/14/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 14-May-08

CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38

Lab Order: 098483

Lab ID: 098483-010 **Collection Date:** 4/24/2008

Client Sample ID: HA41-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514C	QC Batch: R94520				PrepDate:	Analyst: LKN
Lead	9.8	0.25		mg/L	1	5/14/2008

PH

EPA 9045C

RunID: WETCHEM_080512B	QC Batch: R94403				PrepDate:	Analyst: CNP
pH	7.1	0.10		pH Units	1	5/12/2008

Lab ID: 098483-019 **Collection Date:** 4/24/2008

Client Sample ID: HA44-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514C	QC Batch: R94520				PrepDate:	Analyst: LKN
Lead	3.8	0.25		mg/L	1	5/14/2008

Lab ID: 098483-022 **Collection Date:** 4/24/2008

Client Sample ID: HA45-0 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514C	QC Batch: R94520				PrepDate:	Analyst: LKN
Lead	6.9	0.25		mg/L	1	5/14/2008

PH

EPA 9045C

RunID: WETCHEM_080512B	QC Batch: R94403				PrepDate:	Analyst: CNP
pH	6.8	0.10		pH Units	1	5/12/2008

Qualifiers: B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference
 DO Surrogate Diluted Out
 E Value above quantitation range
 ND Not Detected at the Reporting Limit
 Results are wet unless otherwise specified

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 14-May-08

CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38

Lab Order: 098483

Lab ID: 098483-040

Collection Date: 4/24/2008

Client Sample ID: HA51-0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514C	QC Batch: R94520				PrepDate:	Analyst: LKN
Lead	4.6	0.25		mg/L	1	5/14/2008

PH

EPA 9045C

RunID: WETCHEM_080512B	QC Batch: R94403				PrepDate:	Analyst: CNP
pH	7.3	0.10		pH Units	1	5/12/2008

Qualifiers: B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference
DO Surrogate Diluted Out
E Value above quantitation range
ND Not Detected at the Reporting Limit
Results are wet unless otherwise specified

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: MB-45533A	SampType: MBLK	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: PBS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID: LCS-45533	SampType: LCS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: LCSS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.049	0.25	5.000	0	101	80	120				

Sample ID: 098483-007A-DUP	SampType: DUP	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: HA40-0	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456614						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.986	0.25						7.140	2.18	20	

Sample ID: 098483-007A-MS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: HA40-0	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456615						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.989	0.50	5.000	7.140	97.0	80	120				

Sample ID: MB-45533B	SampType: MBLK	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: PBS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456621						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: 098463-041A-DUP	SampType: DUP	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456632						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	125.660	3.8						127.0	1.07	20	

Sample ID: 098463-041A-MS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456633						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	133.858	3.8	5.000	127.0	137	80	120				S

Sample ID: 098463-041A-MSD	SampType: MSD	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	131.838	3.8	5.000	127.0	96.6	80	120	133.9	1.52	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: MB-45534A	SampType: MBLK	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: PBS	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456650						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Sample ID: LCS-45534	SampType: LCS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: LCSS	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456651						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 4.915 0.25 5.000 0 98.3 80 120

Sample ID: 098527-039A-DUP	SampType: DUP	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: ZZZZZZ	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456662						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 10.325 0.50 10.53 1.98 20

Sample ID: 098527-039A-MS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: ZZZZZZ	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456663						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 9.688 0.50 5.000 10.53 -16.9 80 120 S

Sample ID: MB-45534B	SampType: MBLK	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: PBS	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456664						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.25

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098483
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: 098528-036A-DUP	SampType: DUP	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: ZZZZZZ	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456674						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	14.206	0.50						14.26	0.380	20	

Sample ID: 098528-036A-MS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: ZZZZZZ	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456675						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.970	0.50	5.000	14.26	94.2	80	120				

Sample ID: 098528-036A-MSD	SampType: MSD	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94520						
Client ID: ZZZZZZ	Batch ID: R94520	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456676						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	18.812	0.50	5.000	14.26	91.0	80	120	18.97	0.839	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.

Work Order: 098483

Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 098710-001ADUP	SampType: DUP	TestCode: 9045_S	Units: pH Units	Prep Date:	RunNo: 94403						
Client ID: ZZZZZZ	Batch ID: R94403	TestNo: EPA 9045C		Analysis Date: 5/12/2008	SeqNo: 1454601						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.810	0.10						7.600	2.73	20	

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out

E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values

H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

Diane Galvan

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Thursday, May 08, 2008 12:07 PM
To: Diane Galvan
Subject: Added test request - Task Order #38 - South Lake Tahoe US50 ADL

Hello Diane:

Please run WET extraction and lead analyses on the following soil samples:

DP35-2
HA38-0
HA39-0
HA39-2
HA40-0
HA41-0
HA44-0
HA45-0
HA51-0

Thanks,
Alfred

Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916.852.9118
Fax: 916.852.9132
Cel: 916.508.3076

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

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Diane Galvan

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Thursday, May 08, 2008 2:50 PM
To: Diane Galvan
Subject: RE: Added test request - Task Order #38 - South Lake Tahoe US50 ADL

Hi Diane:

Would you please also run a pH test on samples:

DP35 - 2

HA38 - 0

HA41 - 0

HA45 - 0

HA51 - 0

Thanks,
Alfred
Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916.852.9118
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5/8/2008

May 14, 2008



Alfred Worcester
Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742
TEL: (916) 852-9118
FAX: (916) 852-9132

ELAP No.: 1838
NELAP No.: 02107CA
NEVADA.: CA-401
Arizona: AZ0689
CSDLAC No.: 10196
Workorder No.: 098482

RE: South Lake Tahoe US50 ADL, S9300-06-38

Attention: Alfred Worcester

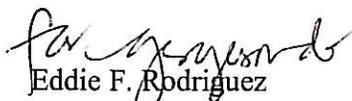
Enclosed are the results for sample(s) received on April 28, 2008 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,


Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



CLIENT: Geocon Consultants, Inc.
Project: South Lake Tahoe US50 ADL, S9300-06-38
Lab Order: 098482

CASE NARRATIVE

Analytical Comments for Method 7420

Matrix Spike (MS) and /or Matrix Spike Duplicate (MSD) are/is outside recovery criteria for sample 098463-041AMS ; however, the analytical batch was validated by the Laboratory Control Sample (LCS).

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 14-May-08

CLIENT:	Geocon Consultants, Inc.	Client Sample ID:	DP35-2
Lab Order:	098482	Collection Date:	4/23/2008 2:40:00 PM
Project:	South Lake Tahoe US50 ADL, S9300-06-38	Matrix:	SOIL
Lab ID:	098482-031A		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
----------	--------	-----	------	-------	----	---------------

LEAD BY ATOMIC ABSORPTION (STLC)

WET/ EPA 7420

RunID: AA2_080514B	QC Batch: R94518	PrepDate:	Analyst: LKN
Lead	ND	0.25 mg/L	1
			5/14/2008

PH

EPA 9045C

RunID: WETCHEM_080512B	QC Batch: R94403	PrepDate:	Analyst: CNP
pH	8.2	0.10 pH Units	1
			5/12/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45533A	MBLK	7420_ST	mg/L		94518						
Client ID: PBS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS-45533	LCS	7420_ST	mg/L		94518						
Client ID: LCSS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	5.049	0.25	5.000	0	101	80	120				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098483-007A-DUP	DUP	7420_ST	mg/L		94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456614						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	6.986	0.25						7.140	2.18	20	

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
098483-007A-MS	MS	7420_ST	mg/L		94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456615						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	11.989	0.50	5.000	7.140	97.0	80	120				

Sample ID:	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
MB-45533B	MBLK	7420_ST	mg/L		94518						
Client ID: PBS	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456621						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.25									

Qualifiers:

- | | | | | | |
|----|---|---|--------------------------------------|---|--|
| B | Analyte detected in the associated Method Blank | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike/Surrogate outside of limits due to matrix interference |
| DO | Surrogate Diluted Out | | Calculations are based on raw values | | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 7420_ST

Sample ID: 098463-041A-DUP	SampType: DUP	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456632						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	125.660	3.8						127.0	1.07	20	

Sample ID: 098463-041A-MS	SampType: MS	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456633						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	133.858	3.8	5.000	127.0	137	80	120				S

Sample ID: 098463-041A-MSD	SampType: MSD	TestCode: 7420_ST	Units: mg/L	Prep Date:	RunNo: 94518						
Client ID: ZZZZZZ	Batch ID: R94518	TestNo: WET/ EPA 74		Analysis Date: 5/14/2008	SeqNo: 1456634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	131.838	3.8	5.000	127.0	96.6	80	120	133.9	1.52	20	

Qualifiers:

- | | | |
|---|--|--|
| B Analyte detected in the associated Method Blank | E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| ND Not Detected at the Reporting Limit | R RPD outside accepted recovery limits | S Spike/Surrogate outside of limits due to matrix interference |
| DO Surrogate Diluted Out | Calculations are based on raw values | |

CLIENT: Geocon Consultants, Inc.
Work Order: 098482
Project: South Lake Tahoe US50 ADL, S9300-06-38

ANALYTICAL QC SUMMARY REPORT

TestCode: 9045_S

Sample ID: 098710-001ADUP	SampType: DUP	TestCode: 9045_S	Units: pH Units	Prep Date:	RunNo: 94403						
Client ID: ZZZZZ	Batch ID: R94403	TestNo: EPA 9045C	Analysis Date: 5/12/2008	SeqNo: 1454601							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.810	0.10						7.600	2.73	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Reporting Limit
- DO Surrogate Diluted Out
- E Value above quantitation range
- R RPD outside accepted recovery limits
- Calculations are based on raw values
- H Holding times for preparation or analysis exceeded
- S Spike/Surrogate outside of limits due to matrix interference

Diane Galvan

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Thursday, May 08, 2008 12:07 PM
To: Diane Galvan
Subject: Added test request - Task Order #38 - South Lake Tahoe US50 ADL

Hello Diane:

Please run WET extraction and lead analyses on the following soil samples:

DP35-2
HA38-0
HA39-0
HA39-2
HA40-0
HA41-0
HA44-0
HA45-0
HA51-0

Thanks,
Alfred

Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916.852.9118
Fax: 916.852.9132
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5/8/2008

Diane Galvan

From: Alfred Worcester [worcester@geoconinc.com]
Sent: Thursday, May 08, 2008 2:50 PM
To: Diane Galvan
Subject: RE: Added test request - Task Order #38 - South Lake Tahoe US50 ADL

Hi Diane:

Would you please also run a pH test on samples:

DP35-2

HA38-0

HA41-0

HA45-0

HA51-0

Thanks,
Alfred

Sincerely,
Alfred P. Worcester, PG, CEG
Senior Project Geologist

Geocon Consultants, Inc.
3160 Gold Valley Drive, Suite 800
Rancho Cordova, CA 95742

Tel: 916.852.9118

Fax: 916.852.9132

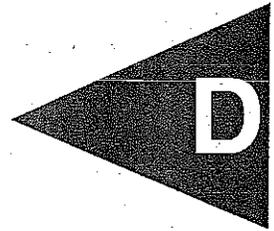
Cel: 916.508.3076

GEOTECHNICAL ENVIRONMENTAL MATERIALS

San Diego Murrieta Burbank San Bernardino Bakersfield Sacramento Livermore Carson City Las Vegas Portland

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APPENDIX



DESCRIPTION OF DATA SET

Project Name: SLT US50 - Trout Creek to Ski Run
Project No.: S9300-06-38
Sample Depth: 0.0 to 1 ft

DATA SET STATISTICS

Number of Valid Samples	30
Number of Unique Samples	17
Minimum	2.5
Maximum	170
Mean	32.3
Median	7.9
Standard Deviation	45.23
Variance	2046
Coefficient of Variation	1.4
Skewness	1.81
Mean of log data	2.4
Standard Deviation of log data	1.57
 90% Non-parametric UCLs	
Standard Bootstrap UCL	42.8
 95% Non-parametric UCLs	
Standard Bootstrap UCL	45.8

DESCRIPTION OF DATA SET

Project Name: SLT US50 - Trout Creek to Ski Run
Project No.: S9300-06-38
Sample Depth: 2.0 to 3 ft

DATA SET STATISTICS

Number of Valid Samples	27
Number of Unique Samples	7
Minimum	2.5
Maximum	150
Mean	12.2
Median	2.5
Standard Deviation	30.4
Variance	924.1
Coefficient of Variation	2.48
Skewness	4.05
Mean of log data	1.44
Standard Deviation of log data	1.12

90% Non-parametric UCLs

Standard Bootstrap UCL 19.78

95% Non-parametric UCLs

Standard Bootstrap UCL 21.69

DESCRIPTION OF DATA SET

Project Name: SLT US50 - Trout Creek to Ski Run
Project No.: S9300-06-38
Sample Depth: 1.0 to 2 ft

DATA SET STATISTICS

Number of Valid Samples	28
Number of Unique Samples	12
Minimum	2.5
Maximum	16
Mean	5.2
Median	2.5
Standard Deviation	3.81
Variance	14.5
Coefficient of Variation	0.73
Skewness	1.36
Mean of log data	1.43
Standard Deviation of log data	0.65
90% Non-parametric UCLs	
Standard Bootstrap UCL	6.12
95% Non-parametric UCLs	
Standard Bootstrap UCL	6.41

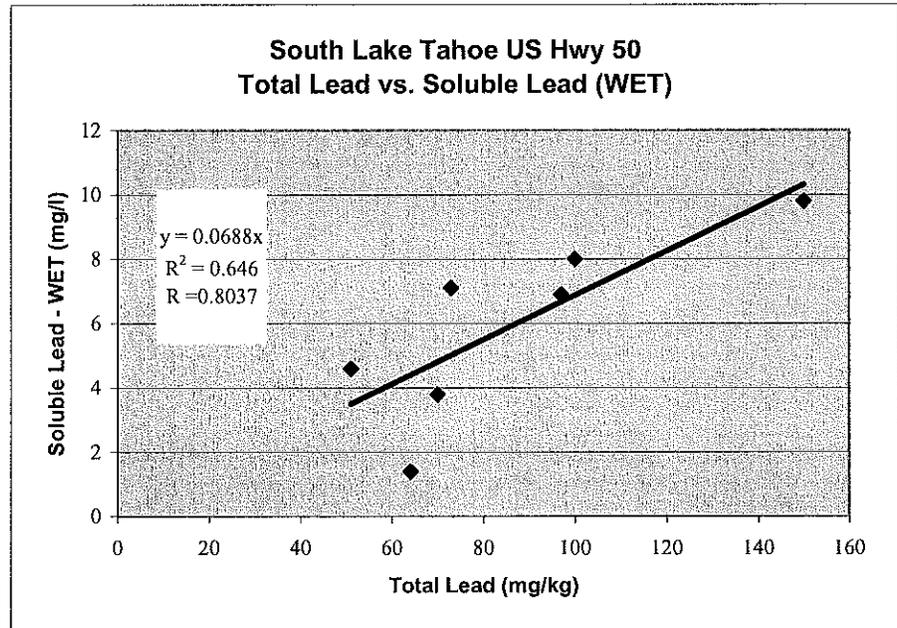
SLT HWY 50 ADL
Project No. S9300-06-38

Sample ID Total Lead WET Lead

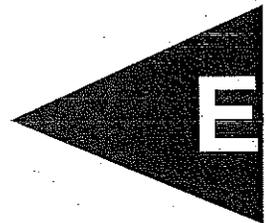
HA39-0	100	8
HA39-2	64	1.4
HA40-0	73	7.1
HA41-0	150	9.8
HA44-0	70	3.8
HA45-0	97	6.9
HA51-0	51	4.6

Outlier Data (pulled out)

DP35-2	150	2.5
HA38-0	170	4.8



APPENDIX



CONSTRUCTION DISCHARGE PERMIT

This Construction Discharge Permit (Permit) is issued by the South Tahoe Public Utility District, a California Public Agency formed in 1950 pursuant to the Public Utility District Act (District), to _____ (Permittee) issued at South Lake Tahoe, California, with reference to the following facts and intentions:

A. District owns and operates a wastewater collection system and treatment plant (collectively Wastewater System) and delivers treated wastewater for storage and use by customers in Alpine County;

B. Permittee is the contractor retained by the owner of the real property (Owner) located at _____ (Property) to construct improvements on the Property for Owner;

C. Permittee desires to discharge industrially treated wastewater, groundwater, stormwater, wastewater of an unusual strength or character, and/or extraordinary amounts of wastewater (collectively Discharge Water) into the Wastewater System;

D. Permittee has retained the services of a consultant (Consultant) to operate the treatment system and the discharge of the Discharge Water into the Wastewater System. Permittee represents to District that Consultant is fully qualified, capable and available to operate the Discharge Water treatment system in accordance with the requirements of this Permit; and

E. District agrees to allow Permittee to discharge the Discharge Water into the Wastewater System, pursuant to the terms and conditions of this Permit.

NOW, THEREFORE, the parties agree as follows:

1. Wastewater Discharge Requirements. The Discharge Water shall not compromise or damage any process, component or operation of the Wastewater System including, but not limited to, solids build-up in the wastewater collection pipelines and the biological treatment at the District wastewater treatment plant. The Discharge Water composition must be capable of being treated by District's standard treatment process so that the treated Discharge Water complies with District's current requirements and any standards, laws, regulations or ordinances of local, state, or federal governmental agencies. The type and maximum concentration of contaminants, chemicals, or other materials contained in the Discharge Water shall be determined by District, in its sole discretion, which may be modified at anytime, and include, but not limited to, the following:

- a. pH between 5.5 and 9.0
- b. Benzene < 1 ppb
- c. Ethylbenzene <680 ppb
- d. Toluene <100 ppb
- e. Xylene <620 ppb
- f. Total Petroleum Hydrocarbon (TPH) <1 mg/l
- g. MTBE <0.5 ppb
- h. Suspended Solids <300 mg/l
- i. Turbidity <200 NTU

2. **Discharge Water.** Permittee shall submit the following information for review and approval by District prior to the connection of Permittee's facilities to the Wastewater System and discharge into the Wastewater System:

a. **Flow Rate.** The proposed maximum flow rate, both gallons per minute and gallons per day, that Discharge Water will be discharged by Permittee into the Wastewater System.

b. **Discharge Water Analysis.** An initial detailed analysis of the Discharge Water prior to treatment, performed by certified laboratory, including analysis of organic compounds VOCs and SVOCs (by EPA method 8260-full scan), Title 22 metals, particulate matter (TDS and TSS), water chemistry (PH and alkalinity), and natural organic matter (EPA 415.1 or Standard Methods 18th Edition 531 a, b, c, or d), and such other analysis as may be requested by District.

c. **Treatment Plan.** A comprehensive description of the treatment plan including, but not limited to, site plan, treatment method(s), proposed treatment medium and/or treatment equipment specifications, and any other pertinent information related to the treatment as may be requested by District. Minimum acceptable treatment shall include a settleable solids removal system consisting of two (2) Baker tanks in series each sized to provide a minimum of two (2) hours detention time at the maximum proposed discharge rate.

d. **Feasibility Evaluation.** Feasibility evaluation describing in detail that the planned treatment will comply with all permit requirements at 125% maximum pollutant influent concentrations. The feasibility evaluation shall include calculations and supporting documentation signed and stamped by a California licensed professional engineer or registered geologist with at least three (3) years in experience in designing systems for the type of treated Discharge Water proposed by Permittee to be discharged into the Wastewater System.

e. **Operator.** The name and qualifications of the person retained by the Consultant (Operator) who shall be responsible for overseeing the discharges and confirm compliance with this Permit. The Operator shall have a minimum five (5) years experience and must be approved by District,

3. **Connection to Wastewater System.** Permittee shall only be entitled to connect to the Wastewater System at a point and in a manner as approved by District. District inspectors must approve all connections and disconnections to the Wastewater System. The portion of the discharge connection into the Wastewater System that is underground (if any) must remain uncovered until inspected and approved by District. Connection to the Wastewater System shall also include the installation of an approved meter to monitor the quantity of treated Discharge Water discharged into the Wastewater System. Permittee shall provide District with at least forty-eight (48) hours prior written notice of the time and date of the first planned discharge. Permittee shall disconnect its facilities from the collection system as soon as possible after completion of Permittee's discharges and in the manner prescribed by District.

4. **Inspection.** Permittee shall provide District with safe and unrestricted access to Permittee's Discharge Water treatment system and connection facilities during the term of this Permit. Permittee shall provide a sample tap, approved by District, to allow quick and easy sample collection during operation. The District will collect random samples at such times as determined by District at its sole discretion. Permittee represents and warrants to District that it has the authority or has obtained the written authorization from the Owner to perform and undertake all obligations required by this Permit including, but not limited to, providing District with unrestricted access to the Property and the Treatment System for any and all purposes related to this Permit. In the event the Treatment System is located on real property other than the Property (Other Property), Permittee shall obtain written permission from the owner of the Other Property in order to provide the District with unrestricted access to the Other Property and the Treatment System for any and all purposes related to this Permit.

5. **Operation Requirements and Suspension.** The operation of the treatment system and discharge of Discharge Water into the Wastewater System shall be in strict compliance with the requirements of this Permit. Permittee shall immediately suspend discharging Discharge Water into the Wastewater System if directed by District for any reason or the Discharge Water does not comply with the requirements of this Permit, at any time, in which case Permittee shall immediately notify District. Permittee shall not resume discharging into the Wastewater System until the cause of the noncompliance is ascertained and the condition creating such noncompliance is corrected by Permittee. Afterwards, District shall notify Permittee if, when, and under what conditions that discharges may resume into the Wastewater System.

6. **Sampling.** Permittee shall retain the services of a laboratory capable of analyzing to the required detection limits. The analysis of volatile organic chemical concentrations in the discharge shall be performed by a California State Health Department certified mobile or an off-site laboratory using EPA method 8260 or other method approved by the District. The laboratory shall collect a field and travel blank. The travel blank need only be tested if a suspected discharge violation occurs. Permittee shall report all Discharge Water testing results by facsimile or personal delivery, as soon as available but no later than 24 hours after receiving the test results from the designated laboratory. The test results shall include the date and time of sampling and the instantaneous and cumulative flow readings at the time of sampling. The District may require the laboratory to perform additional sampling and/or rush sampling as determined by District.

7. **Violations.** In the event Permittee violates or breaches any term, condition, or requirement of this Permit, District may exercise any and all rights provided in this Permit, District's ordinances, rules and regulations, and any other law or regulation, at law or in equity. No remedy or election shall be deemed to be exclusive but shall, wherever possible, be cumulative with other remedies. In addition, District may take any or all of the following actions with respect to any breach or violation, as determined by District in its sole discretion, require Permittee to discontinue discharges pursuant to this Permit and impose additional conditions or requirements for continued discharge of Discharge Water, and take any other actions as determined by District to protect the operation and integrity of the Wastewater System. Permittee shall bear full responsibility and liability for any and all damages resulting from violating the conditions of this permit including, but not limited to, damage to the Wastewater System, fines for spills, property damage, personal injury or death, pollution, damage to public health and any other damage of liability.

8. **Release of Liability.** In consideration of District's issuance of this Permit, Permittee agrees that neither it or its owners, shareholders, partners, directors, officers, employees, agents, and consultants, shall not make a claim or bring any action, in court or otherwise, against District, its elected officials, directors, officers, employees, agents, and consultants, for any damages resulting from District's issuance, suspension, revocation and/or termination of this Permit or discharges authorized by this Permit.

9. **Indemnification.** To the maximum extent allowed by law, Permittee shall indemnify, defend and hold harmless District, its elected officials, directors, officers, employees, agents, and consultants, from and against all damages, liabilities, claims, actions, demands, costs and expenses, including, but not limited to, costs of investigations, lawsuits and other proceedings in law or in equity, settlement costs, attorneys' fees and costs, and penalties, administrative fines, or violations of any kind, which arise out of, or result from or relate to: (a) any injury to person or property in connection with this Permit and/or the discharge of the Discharge Water; (b) any intentional or negligent act or omission on the part of Permittee or its agents, consultants, representatives, contractors, employees, invitees, or licensees; (c) any breach of the terms and conditions of this Permit by Permittee; and (d) violation of any local, state or federal law, regulation, ordinance.

10. **Insurance.** Permittee shall procure and maintain, throughout the term of this Permit, commercial general liability insurance to protect against claims arising from death, bodily or personal injury or damage to property resulting from actions, failures, operations or equipment of Permittee, or by its employees, agents, consultants, or by anyone directly or indirectly employed by Permittee. The insurance shall either contain directly, or by endorsement, covering pollution damage. The insurance shall be in the amount two Million Dollars (\$2,000,000) combined single limit per occurrence coverage applied to bodily and personal injury and property damage. District shall be provided with copies of the insurance policy(s) evidencing the above insurance coverage prior to the commencement of discharges. District shall be named as an additional insured. Each policy of insurance shall require thirty (30) days advance written notice to the District of any change or cancellation. The above insurance coverage shall be primary as respects the interest of the additional insured, include a

cross liability and severability of interest endorsement, a waiver of any and all transfer rights of recovery (subrogation) against the additional insured. In addition, the above insurance requirements shall not limit the indemnification obligations of the Permittee.

11. Costs and Expenses. Permittee shall pay all costs and expenses related to this Permit including, but not limited to, the following:

- A. Permit fee of one thousand dollars (\$1000) per project;
- B. Discharge rate fee of six dollars and fifty cents (\$6.50) per one thousand (1,000) gallons;
- C. Laboratory and testing costs;
- D. District's cost and expenses including, but not limited to, inspections, testing, and sampling;
- E. Actual cost to inspect and clean collection system from the discharge area to the nearest pump station before discharge begins;
- F. Actual cost to inspect and, as determined necessary by the District, clean the collection system after discharge;

District shall send statements to Permittee for the costs and expenses in such intervals as determined by District. Statements are due and owing upon receipt and are delinquent if not paid within thirty (30) days after the date of the statement. Delinquent statements shall be subject to penalties and interest charges.

12. Effective Date and Term of Permit. This Permit shall be effective upon the date first above written, but Permittee shall not be entitled to commence discharges until receipt of District's written notification to Permittee that all submittals and information required for the requested discharge has been received and approved by District. This Permit may be revoked and terminated with or without prior notice to Permittee for any breach of this permit or as necessary to protect the integrity of the Wastewater System, as determined at the sole discretion of District.

13. Consultant. Permittee shall incorporate the terms and conditions of this Permit into Permittee's agreement with Consultant for the services to be performed by Consultant on behalf of Permittee. Consultant shall be directly liable to District for the performance of its services to Permittee pursuant to the Permit.

14. General Provisions.

a. Recitals. The recitals stated at the beginning of this Permit of any matters or facts shall be conclusive proof of their truthfulness thereof and the terms and conditions stated in the recitals, if any, shall be deemed a part of this Permit.

b. Authorizations. All individuals executing this Permit and other documents on behalf of the respective parties certify and warrant that they have the capacity and have been duly authorized to so execute the documents on behalf of the entity so indicated. Each signatory shall also indemnify the other parties to this Permit, and hold them harmless, from any and all damages, costs, attorneys' fees and costs and other expenses, if the signatory is not so authorized.

c. Construction. The provisions of this Permit should be liberally construed to effectuate its purposes. The language of all parts of this Permit shall be construed simply according to its plain meaning and shall not be construed for or against either party, as each party has had the opportunity to have their counsel review it. Whenever the context and construction so requires, all words used in the singular shall be deemed to be used in the plural, all masculine shall include the feminine and neuter, and vice versa.

d. Notice. All notices, requests, demands, and other communications required to or permitted to be given under this Permit shall be in writing and shall be conclusively deemed to have been duly given (1) when hand delivered to the other party; or (2) when received via telex or facsimile at the address or number stated below (provided that notices given by facsimile shall not be effective unless either (a) the facsimile is a routine lab report, (b) a duplicate copy of such facsimile notice is promptly given by depositing same in a United States post office with first-class postage prepaid and addressed to the parties as stated below, or (c) the receiving party delivers a written confirmation of receipt for such notice either by facsimile or any other method permitted under this paragraph; additionally, any notice given by telex or facsimile shall be deemed received on the next business day if such notice is received on the next business day if such notice is received after 5:00 p.m. (recipient's time) or on a nonbusiness day); or (3) three business days after the same have been deposited in a United States post office with first class or certified mail return receipt requested postage prepaid and addressed to the parties as set forth below; or (4) the next business day after same have been deposited with a national overnight delivery service (Federal Express, DHL Worldwide Express, Express Mail, etc.), postage prepaid, addressed to the parties as stated below with next-business-day delivery guaranteed, provided that the sending party receives a confirmation of delivery from the delivery service provider.

DISTRICT:

General Manager
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, CA 96150

With Copy to:

Gary M. Kvistad
Hatch and Parent
21 East Carrillo Street
Santa Barbara, CA 93101

Permittee:

Consultant:

Each party shall make an ordinary, good faith effort to ensure that it will accept or receive notices that are given in accordance with this paragraph and that any person to be given notice actually receives such notice. A party may change or supplement the addresses given above, or designate additional addresses, for purposes of this Section by giving the other party written notice of the new address in the manner stated above.

e. Joint and Several. Permittee and Consultant shall be jointly and severally responsible for the obligations under this Permit. This Permit may be enforced against either Permittee or Consultant separately or against both jointly.

f. Successors and Assigns. This Permit shall be binding on and shall inure to the benefit of the parties and their respective heirs, legal representatives, successors and assigns.

g. Governing Law. The validity and interpretation of this Permit shall be governed by the laws of the State of California without giving effect to the principles of conflict of laws, with venue for all purposes proper only in the County of El Dorado, State of California.

h. Severability. If any term, provision, covenant, or condition of this Permit shall be or become illegal, null, void or against public policy, or shall be held by any court of competent jurisdiction to be illegal, null, void or against public policy, the remaining provisions of this Permit shall remain in full force and effect and shall not be affected, impaired or invalidated. The term, provision, covenant or condition that is so invalidated, voided or held to be unenforceable shall be modified or changed by the parties to the extent possible to carry out the intentions and provisions of this Permit.

i. Attorneys' Fees. If any action at law or equity, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Permit, the prevailing party shall be entitled to recover actual attorneys' fees and costs which may be determined by the court in the same action or in a separate action brought for that purpose. The attorneys' fees and costs to be awarded shall be made to fully reimburse for all attorneys' fees, paralegal fees, costs and expenses actually incurred in good faith, regardless of the size of the judgment, it being the intention of the parties to fully compensate for all attorneys' fees, paralegal fees, costs and expenses paid or incurred in good faith.

j. Waiver. The waiver of any breach of any provision of this Permit by any party to this Permit shall not be deemed to be a waiver of any proceeding or subsequent breach under the Permit, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.

k. Survival. The covenants, representations, warranties and agreements contained in this Permit shall survive the discontinuance of Discharge Water discharges into the collection system and/or termination of this Permit.

l. Entire Agreement and Amendment. This Permit contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature binding except as stated in this Permit. This Permit may be altered, amended or modified only by an instrument in writing, executed by the parties to this Permit and by no other means. Each party waives their future right to claim, contest or assert that this Permit was modified, canceled, superseded or changed by any oral agreement, course of conduct, waiver or estoppel.

IN WITNESS WHEREOF, the parties have executed this Permit as of the date and place first stated above.

District:

SOUTH TAHOE PUBLIC UTILITY DISTRICT

By _____
Richard Solbrig, General Manager

ATTEST:

By: _____
Kathy Sharp, Clerk of the Board/
Executive Secretary

Permittee:

By: _____

OWNER AUTHORIZATION

(Owner of the Property to complete in the event the owner is not the Permittee)

The undersigned (Owner) is the owner of the Property described in this Permit. The Owner has entered into an agreement with Permittee authorizing Permittee to fully perform all of the terms and conditions of this Permit. In consideration of District's issuance of this Permit, Owner unconditionally guarantees, for the benefit of District, Permittee's and Consultant's performance of the terms and conditions of this Permit. If Permittee fails to perform any of the terms and conditions of this Permit, District can enforce this Permit against Permittee, Consultant and Owner, individually or jointly. Owner waives the right to require District to proceed against Permittee and/or Consultant and the right to receive notices of nonperformance or demands for performance. Owner represents and warrants to District that Owner owns the entire ownership interest in the Property, or has the authority to bind all other owners of the Property, if any, to the obligations of this Permit.

OWNER:

(Name)

(Signature)

(Address)

Memorandum

To : MR. IVAN ESPINOSA
Project Engineer
Design South, S-10

Date : August 31, 2001

File No. : 03-ED-50 KP 121.3/127.6
PM 75.4/79.3
03-436010

From : DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Geotechnical Services-MS#5

Subject: Geotechnical Design Report

1. Introduction

Per your request, we are providing a Geotechnical Design Report (GDR) for Highway 50 between KP 121.3 (PM 75.4) and KP 127.6 (PM 79.3), in South Lake Tahoe, California. At this location, asphalt concrete overlays are proposed. In addition, erosion mitigation, hydraulic improvements, and minor shoulder widening will be performed.

This report includes a review of published data such as California Department of Mines and Geology (DMG) publications and National Resource Conservation Service (NRCS) soil surveys, a review of previous site explorations, and a site reconnaissance.

The purpose of this report is to document subsurface geotechnical conditions, provide analyses of anticipated site conditions as they pertain to the project described herein, and to recommend design and construction criteria for the proposed detention/infiltration basins of the project. This report also establishes a geotechnical baseline to be used in assessing the existence and scope of changed site conditions.

This report is intended for use by the project design engineer, construction personnel, bidders, and contractors.

2. Existing Facilities and Proposed Improvements

At the time of our investigation, the proposed project area consisted of a mostly five-lane roadway paved with asphalt concrete pavement. The highway generally has 0 to 0.6 m shoulders in the project area. Generally, the highway is bound on both sides by commercial structures, a city campground and some residential structures with associated sidewalks and landscape areas. Where commercial structures and homes are not located the vacant lots and campground are vegetated with minor grasses and conifer trees.

As stated above, this project involves placing an asphalt concrete overlay in the traveled way and widening portions of the paved shoulders to 0.6 m. In addition, erosion mitigation and drainage facility improvements are planned. Six detention basins/sedimentation basins will be constructed. No other improvements are planned.

3. Pertinent Reports and Investigations

No Caltrans documents were used in preparing this report.

4. Physical Setting

The physical setting of the project site and the surrounding area was reviewed to provide climate, topography and drainage, man-made and natural features, geology, seismicity, and soil survey characteristics to aid in preliminary project design and construction. The site is located in South Lake Tahoe, California. The following is a discussion of the above review:

4.1 Climate

According to the National Weather Service, California Climate Normals for 1961-1990, the average annual precipitation in South Lake Tahoe, is about 810.0 mm (31.89 in) and the average snowfall is about 4798.1 mm (188.9 in). Moderate to abundant snowfall occurs generally between October and March within this area. The average annual air temperature is approximately 13.3°C (56.0°F) with average monthly extremes of -7.3°C (18.9°F) in January and 25.4°C (77.7°F) in July.

4.2 Topography and Drainage

According to the South Lake Tahoe, 7.5 Minute Quadrangle dated 1977 photo-revised 1994, the site is in a generally flat area. The site elevation is varies between approximately 1902 to 1908 m (6,240 to 6,260 ft) above mean sea level, with the higher elevation associated with the southern end of the site. Mostly developed property is depicted on the map surrounding the highway. South Lake Tahoe campground is located at the northeast end of the site.

4.3 Man-made and Natural Features of Engineering and Construction Significance

The highway and surrounding areas are generally flat in the project area. Trees will likely have to be removed in the area of the basins to be located in the existing South Lake Tahoe campground.

Man-made features that may have an impact on the subject project include the existing highway and associated facilities. Residential and commercial structures along with associated infrastructure are located adjacent to the highway and may impact the

proposed widening and/or infiltration basin construction. A dormitory structure and associated utilities were noted to be located within three of the proposed basin locations in the South Lake Tahoe Campground. In addition, several sprinkler system lines were observed in the campground area. Numerous above and below ground utilities were observed throughout the site. It is possible that buried utilities that were not readily apparent may exist.

4.4 Regional Geology and Seismicity

According to the California Department of Conservation, Division of Mines and Geology regional geologic map series Geologic Map of California "Walker Lake Sheet", dated 1963, the site is in an area of mostly Quaternary aged lake deposits (Q1). The map reviewed also indicates that the eastern splay of the West Tahoe Fault is located about 2 km (1 mi) southeast of the site.

We have reviewed the State of California, Air Resources Board (ARB) Map of California Showing Principal Asbestos Deposits, August 2000. According to the ARB map, the site is not in an area of naturally occurring asbestos. Based on our site visit, serpentine rock was not present.

We reviewed the Caltrans California Seismic Hazard Map dated 1996. The map indicated that the western splay of the West Lake Tahoe fault, located approximately 23 km northeast of the site could produce a maximum credible earthquake of magnitude 6.50. In addition, the Genoa fault is located approximately 31 km east of the site could produce a maximum credible earthquake of 7.25. Both of these faults are normal style. The map indicated that the maximum credible earthquake from these faults would result in a peak horizontal bedrock acceleration of 0.40g at the site. The depth to bedrock at the site is unknown.

4.5 National Resource Conservation Service Soil Survey

According to the National Resource Conservation Service Soil Survey of the Tahoe Basin Area, California and Nevada dated 1974; the site is in an area classified as the Elmira series (Ev). The Elmira series consists of poorly drained soils (gravelly loamy coarse sand) that are underlain by stratified alluvium. The surface layer is generally 1117 mm (44-in) deep with the stratified alluvium below. Permeability is moderately rapid above the alluvium and slow in the alluvium. Surface runoff is slow. Erosion potential is slight. Frost heave potential is moderate with an approximate frost-free season of 50 to 80 days. Corrosion potential is moderate to high.

5. Exploration

5.1 Drilling and Sampling

The drilling and sampling portion of this project was performed between May 15 through 16, 2001, and consisted of advancing nine borings to depths between 2.3 and 4.0 m below the existing ground surface. The borings were advanced with a hand held auger equipped with 89 mm (3.5-inch) auger. Soil samples were obtained during drilling by saving the drill cuttings. After the borings were completed, they were loosely backfilled with the drill cuttings. The boring locations are presented on Plates A-2 through A-5. The soil classification system, the boring log legend, and the boring logs are presented on Plates A-6 through A-16.

5.2 Geologic Mapping

No geologic mapping was performed for this report.

5.3 Geophysical Studies

No geophysical studies were performed for this investigation.

5.4 Instrumentation

No instrumentation was installed during this investigation.

5.5 Exploration Notes

We note that only boring 9 encountered refusal at a depth of 2.3m (7 ft) below existing ground surface. The boring likely encountered very coarse gravel to cobble sized material at depth. The remaining borings were terminated at a depth of 4.0 m (13 ft) below the existing ground surface.

6. Geotechnical Testing

6.1 In Situ Testing

No in situ tests were performed for this investigation.

6.2 Laboratory Testing

The following laboratory tests were performed on selected samples obtained from the borings.

Sieve Analysis – CTM 202

pH – CTM 643
Organic Content (Loss on Ignition)
Cation Exchange Capacity – EPA Test Method 9081

The tests above were used to assist in classifying the soils encountered. The results of the tests are presented on the boring logs at the corresponding sample locations. The test results are also summarized below. In addition, the gradation results are presented on Plate-17. All samples tested were acquired by bulk sampling method from depths of 0 to 1 m below grade.

Boring No.	-#200 (% Passing)	pH	Organic Content (%)	EPA 9081 Sodium, mg/kg
00-1	12	6.6	1.7	67.3
01-2	10	6.2	1.7	72.8
01-3	9	6.1	1.7	66.6
01-4	16	6.1	2.3	78.3
01-5	8	6.2	2.1	82.8
01-6	10	6.0	2.5	83.5
01-7	12	6.9	2.8	94.0
01-8	16	6.5	2.3	88.0
01-9	6	7.1	0.8	30.2

7. Site Conditions

7.1 Surface

Mr. Mark Hagy and Mr. Bill Webster performed the site visit for this report on May 14, 2001. No subsurface exploration, sampling, or testing was performed. In general, the soil exposed on the ground surface at the basin locations consisted of light brown silty sand with trace amounts of fine to medium gravels.

Due to the relatively flat nature of the project area, no cut and/or fill slopes were observed along the existing alignment of Highway 50. Therefore, it is anticipated that no additional cuts or fills will need to be completed for the proposed widening locations.

Existing site vegetation consisted of mostly pine trees, grasses and brush. Numerous commercial and several residential structures were observed bordering the length of the project. Numerous utilities and culverts were noted along the alignment. Overhead electrical and telecommunications lines were noted on both sides of the highway. The South Lake Tahoe campground was noted at the eastern end of the site.

7.2 Subsurface

In general, the near-surface soils encountered in the borings advanced for this investigation consisted of various shades of brown silty sand with gravel in dry to moist state extending to the maximum depth explored of 4.0 m (13 ft) below existing ground surface. For a more complete description of the soil conditions encountered, please refer to the boring logs, Plates A-8 through A-16. Groundwater conditions are described in Section 8.3 of this report.

8. Geotechnical Recommendations

8.1 General

Due to the nature of this project, geotechnical concerns are generally limited to infiltration basin design and are presented below.

8.2 Percolation Testing

Nine percolation tests were performed between May 15 and 16, 2001. The tests were performed on hand augured boring holes drilled to a depth of 1 m below existing site grade within the basin locations provided by design on April 17, 2001. The tests were performed by saturating the test holes overnight and then filling the holes with 1 to 2 feet of relatively clean water. The rate of water level drop was monitored until the hole was completely drained, then the test was conducted again. Tests were conducted in each boring a minimum of twice in order to help establish stabilized percolation rates. The percolation rates are presented in the table below:

Perc. Test	Boring #	Detention Basin	Perc. Rate l/m ² /day	Perc. Rate in/hour	Station	Distance from CL (m)	Date Tested
1 L-1	01-9	Parcel # 026-221-331	950515	1559	126+41	33 left	5/16/01
2 L-4	01-8	1-West	11248	18.4	135+95	24 right	5/16/01
3 L-4	01-7	1 East	7213	11.8	136+70	23 right	5/16/01
4	01-6	2	46661	76.5	137+58	21 right	5/16/01
5	01-5	3	12674	20.8	138+40	16 right	5/15/01
6 L-5	01-4	4A	7376	12.1	139+21	25 right	5/15/01
7	01-3	4B	13245	21.7	140+20	28 right	5/15/01
8	01-2	5 West	12022	19.7	140+39	27 right	5/15/01
9 L-6	01-1	5 East	7254	11.9	141+27	24 right	5/15/01

We note that relatively clean water was used to perform the tests above. However,

highway runoff water will likely contain silt, sand, oils, pine needles, and/or other materials that would decrease the percolation rates. Therefore, we recommend that a factor of safety of 2 be used when designing infiltration or detention basins with the above values. During the winter months, periods of ground freezing may occur. During the time the ground is frozen, the percolation rates will be near zero and basins should be designed accordingly.

It is noted that all the infiltration rates obtained during testing exceed the maximum infiltration value of 2.5 in/hr found in the State Storm Water Quality Practice Guidelines Appendix D to the Statewide Storm Water Management Plan (CTSW-RT-00-0017).

8.3 Groundwater

Groundwater was not encountered in the borings augured for this investigation. Generally, groundwater should not be a concern for the proposed infiltration basins. Groundwater conditions will vary according variations in rainfall, snowpack melting, pumping, construction activities, and the water levels in Lake Tahoe.

8.4 Erosion

The project soils are mostly granular in nature and should be considered highly erodible. Therefore, it is recommended that Landscape architecture be consulted regarding erosion control measures.

8.5 Corrosion

If walls or other structures are planned, corrosion studies should be performed at their locations. We anticipate that native soils have a moderate to high corrosion potential based on the review of the Soils Survey Report for the area. The soil survey reviewed indicated that the Elmira series soils have a moderate to high corrosion potential. Salts used during the cold season for roadway purposes will increase the corrosion potential along the alignment and culvert replacement, addition, or rehabilitation should account for the corrosive nature of the salts.

8.6 Grading Factor

Based on the mostly granular materials observed in the proposed basin areas, we recommend a grading factor of 90 ± 5 percent.

8.7 Frost Heave

Based on the soil survey reviewed above, frost heave potential is moderate to high. Pavement rehabilitation designers should refer to the district materials lab or the ESC pavement section for frost heave mitigation recommendations.

Mr. Ivan Espinosa

August 31, 2001

Page 8

8.8 Construction Considerations

Because native soils will likely be significantly over optimum moisture content during a majority of the year, we recommend that earthwork occur between June and mid October. Late or early precipitation may further limit the window for earthwork. Government agencies concerned with water quality may also limit construction activities. These agencies should be contacted concerning construction restrictions.

9. Proposed Future Investigations

No other fieldwork is proposed at this time. If the project scope changes, such as changing the highway alignment, etc., other areas of the project may need to be revisited.

If you have any questions or comments, please call me at (916) 227-5506 CalNet 448-5506 or Steve Mahnke at (916) 227-7181 CalNet 448-7181.



BILL WEBSTER
Engineering Geologist
Geotechnical Design - North
Branch C

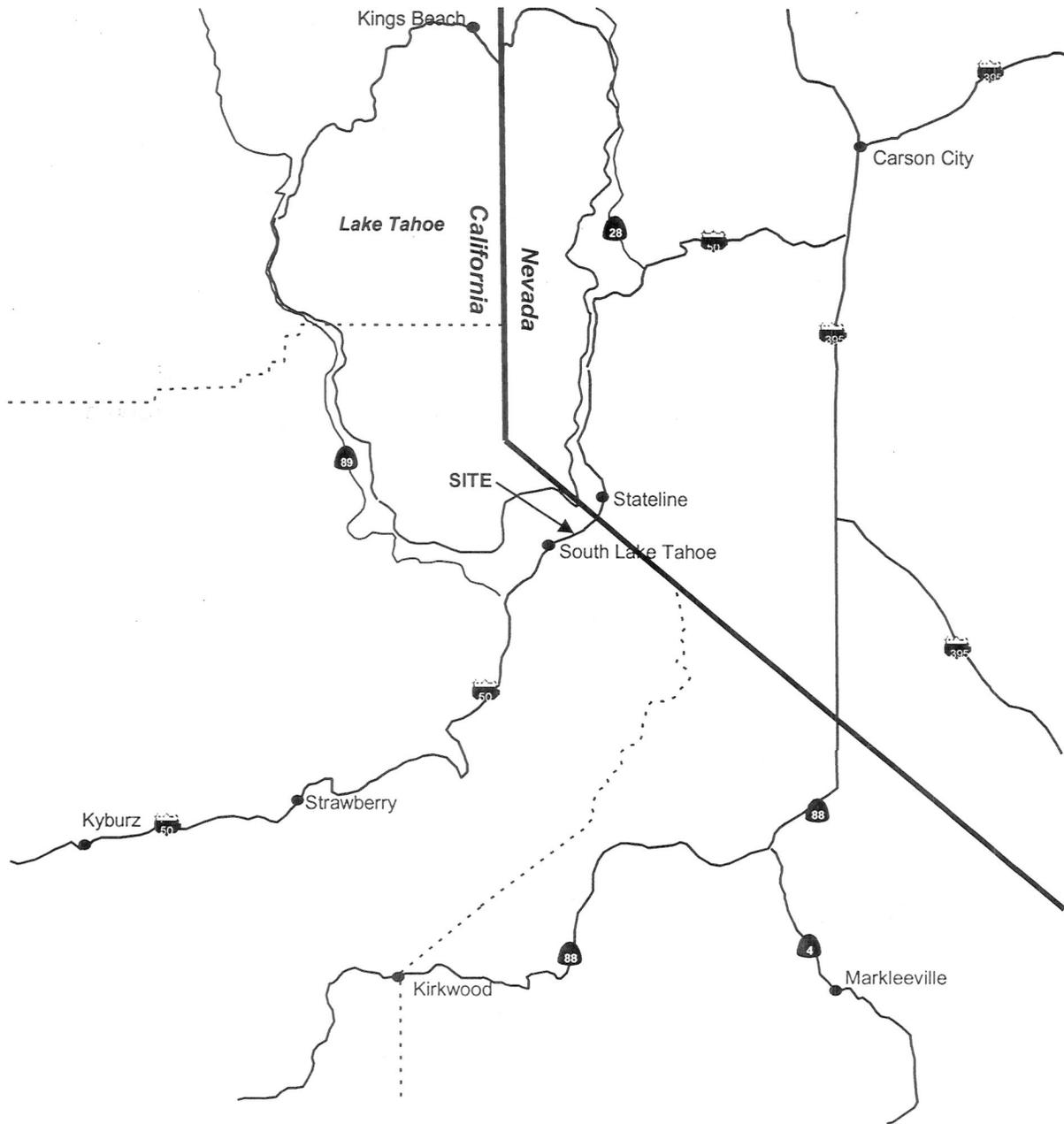


STEVE MAHNKE, Chief
Senior Transportation Engineer
Geotechnical Design - North
Branch C

Attachments

c: RBibbens
SMahnke
JMorris
LMonahan-Design South S-10
GDN.01





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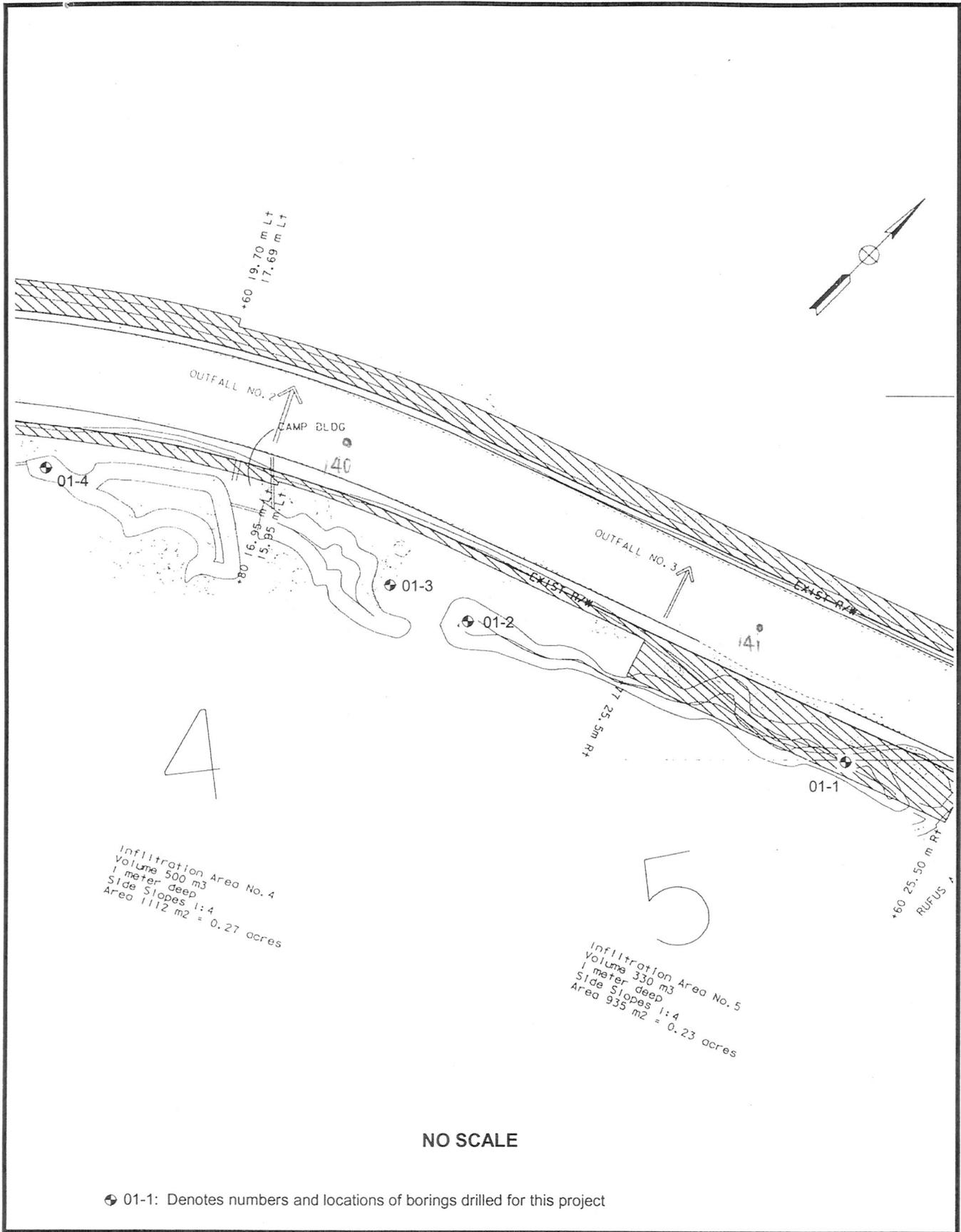
VICINITY MAP

03-ED-50 / KP 121.3-127.6 (PM 75.4-79.3)

Preliminary Geotechnical Report

Plate No.

A-1



Infiltration Area No. 4
 Volume 500 m³
 1 meter deep
 Side Slopes 1:4
 Area 1112 m² = 0.27 acres

Infiltration Area No. 5
 Volume 330 m³
 1 meter deep
 Side Slopes 1:4
 Area 935 m² = 0.23 acres



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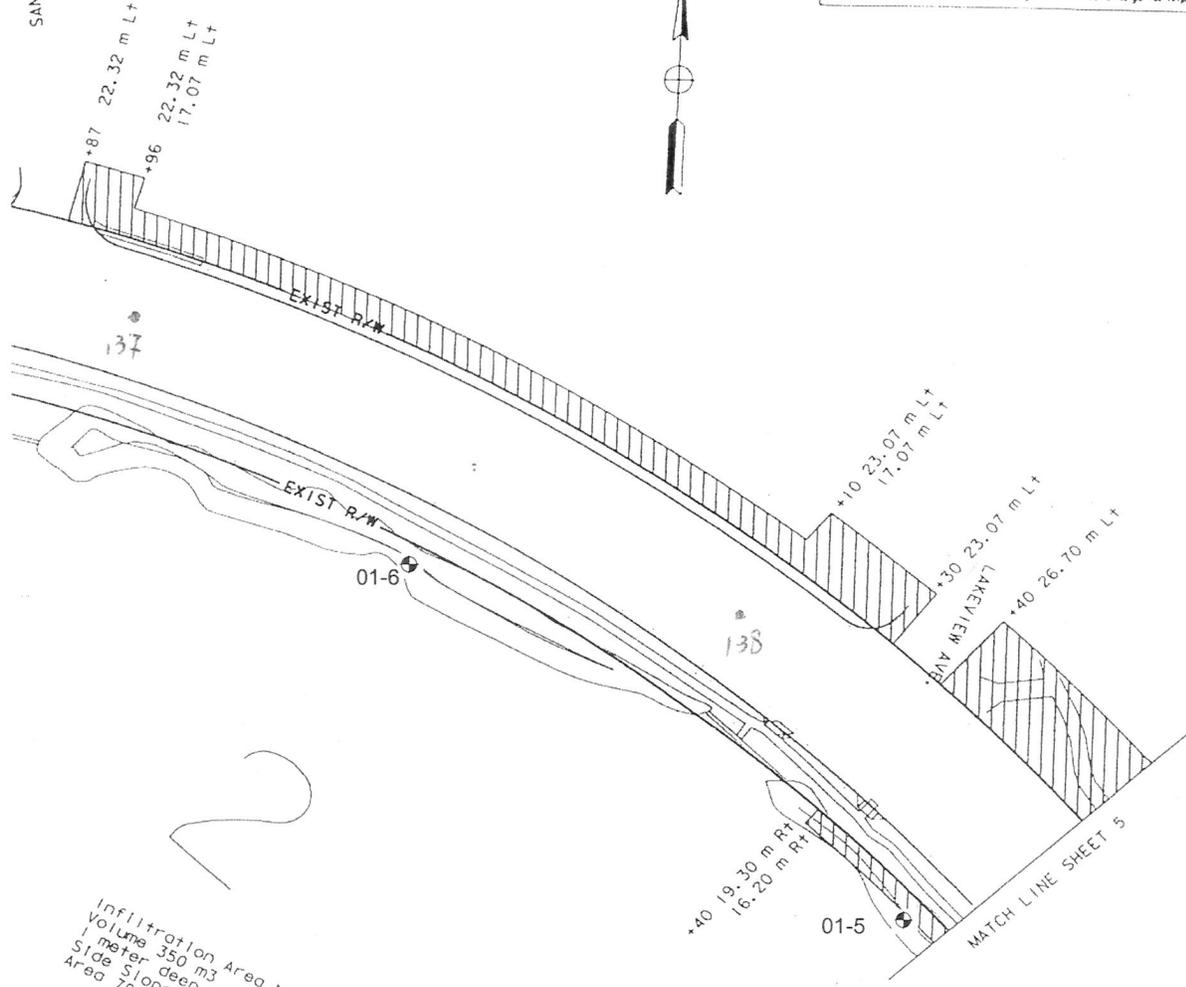
BORING LOCATION MAP

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)
 Geotechnical Design Report

PLATE NO.
A-2

SAN JOSE

of completeness of electronic copies of this plan sheet.
CalTrans now has a web site! To get to the web site, go to: <http://www.caltrans.gov>



Infiltration Area No. 2
Volume 350 m³
1 meter deep
Side Slopes 1:4
Area 790 m² = 0.19

NO SCALE

⊕ B-1: Denotes numbers and locations of borings drilled for this project



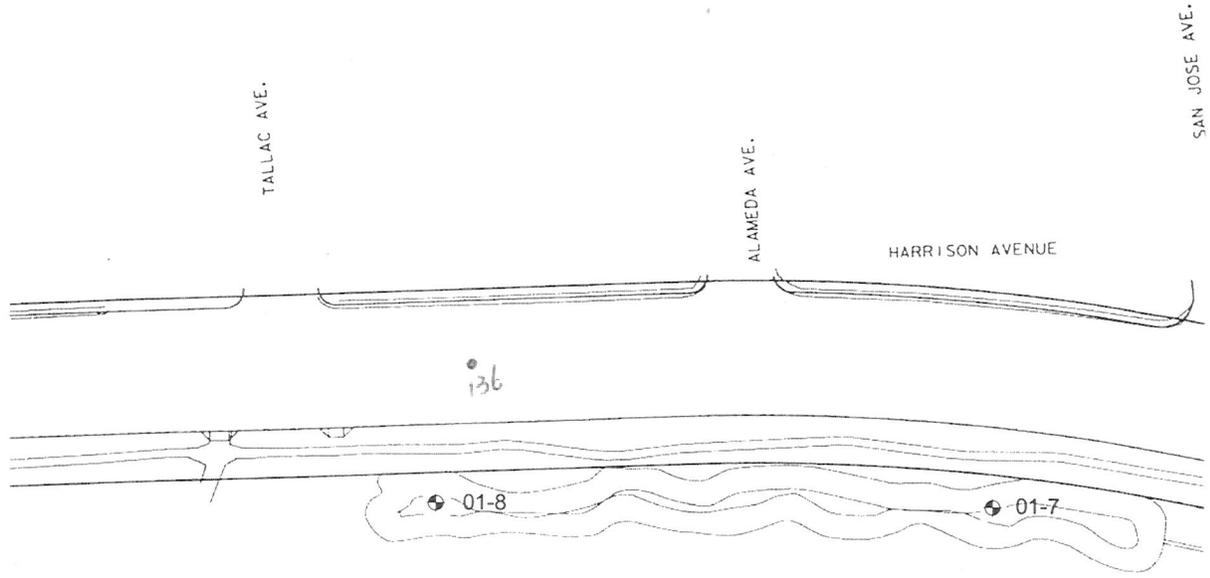
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EA: 03-436010
Date: AUGUST 2001

BORING LOCATION MAP

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)
Geotechnical Design Report

PLATE NO.
A-3



Infiltration Area No. 1
 Volume 450 m³
 1 meter deep
 Side Slopes 1:4
 Area 1207 m² = 0.30 acres

NO SCALE

⊕ B-1: Denotes numbers and locations of borings drilled for this project



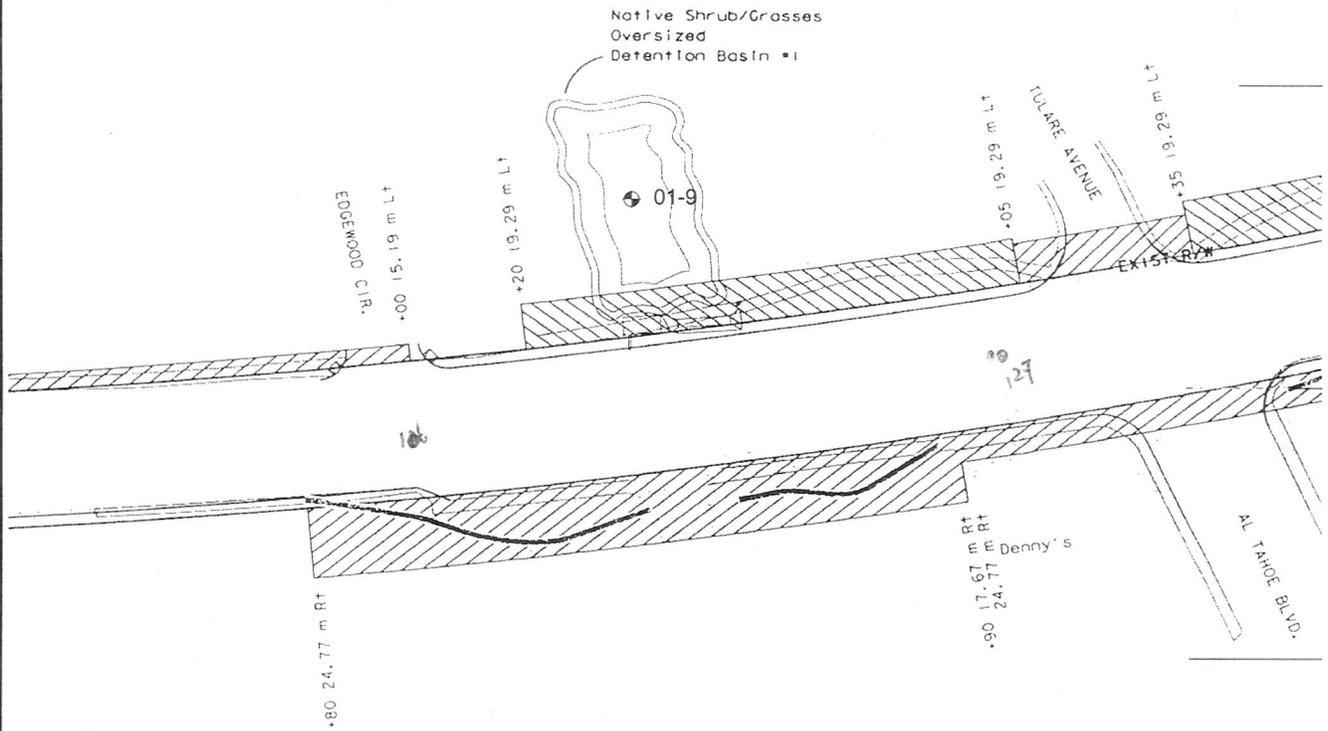
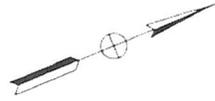
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EA: 03-436010
 Date: AUGUST 2001

BORING LOCATION MAP

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)
 Geotechnical Design Report

PLATE NO.
A-4



NO SCALE

⊕B-1: Denotes numbers and locations of borings drilled for this project



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EA: 03-436010
 Date: AUGUST 2001

BORING LOCATION MAP

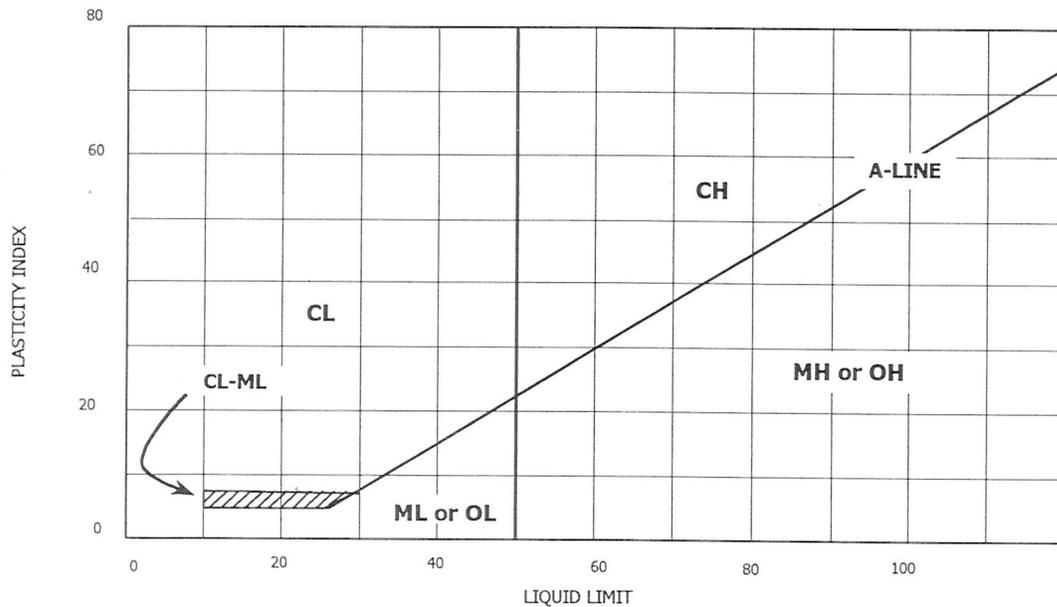
03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)
 Geotechnical Design Report

PLATE NO.
A-5

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISION		SYMBOLS	TYPICAL NAMES	
COARSE-GRAINED SOILS Over 50% > #200 sieve	GRAVELS Over 50% > #4 sieve	CLEAN GRAVELS WITH LITTLE OR NO FINES	GW 	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES
		GRAVELS WITH OVER 12% FINES	GP 	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES
			GM 	SILTY GRAVELS, POORLY GRADED GRAVEL-SAND-SILT MIXTURES
		GC 	CLAYEY GRAVELS, POORLY GRADED GRAVEL-SAND-CLAY MIXTURES	
	SANDS Over 50% < #4 sieve	CLEAN SANDS WITH LITTLE OR NO FINES	SW 	WELL GRADED SANDS, GRAVELLY SANDS
			SP 	POORLY GRADED SANDS, GRAVELLY SANDS
		SANDS WITH OVER 12% FINES	SM 	SILTY SANDS, POORLY GRADED SAND-SILT MIXTURES
			SC 	CLAYEY SANDS, POORLY GRADED SAND-CLAY MIXTURES
FINE-GRAINED SOILS Over 50% < #200 sieve	SILTS AND CLAYS Liquid limit < 50	ML 	INORGANIC SILTS, SILTY OR CLAYEY FINE SANDS, OR CLAYEY SILTS WITH SLIGHT PLASTICITY	
		CL 	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY, SANDY, OR SILTY CLAYS, LEAN CLAYS	
		OL 	ORGANIC CLAYS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	SILTS AND CLAYS Liquid limit > 50	MH 	INORGANIC SILTS, MICACEOUS OR DIATOMACIOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS	
		CH 	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
		OH 	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS	
		Pt 	PEAT AND OTHER HIGHLY ORGANIC SOILS	
HIGHLY ORGANIC SOILS				

PLASTICITY CHART
(USED FOR CLASSIFICATION OF FINE-GRAINED SOILS)



U.S. STANDARD
SIEVE

SOIL GRAIN SIZE

	6"	3"	3/4"	4	10	40	200		
BOULDERS	COBBLES		GRAVEL		SAND			SILT	CLAY
			COARSE	FINE	COARSE	MEDIUM	FINE		
SOIL GRAIN SIZE (in mm)	150	75	19	4.75	2.0	0.425	0.075	0.005	



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EA: 03-436010

Date: 08/21/01

**SOIL CLASSIFICATION
SYSTEM**

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)

Geotechnical Design Report

PLATE NO.

A-6

SAMPLING DATA

TYPE

	25 mm (1") O.D. Caltrans One Inch Sampler (NT)		25 mm (1") O.D. Caltrans One Inch Sampler (LT)
	51 mm (2") O.D. Standard Penetration Test Sampler (NT)		51 mm (2") O.D. Standard Penetration Test Sampler (LT)
	64 mm (2.5") O.D. Modified California Sampler (NT)		64 mm (2.5") O.D. Modified California Sampler (LT)
	76 mm (3") O.D. California Sampler (NT)		76 mm (3") O.D. California Sampler (LT)
	Shelby Tube (NT)		Shelby Tube (LT)
	NQ Size Core Barrel (NT)		NQ Size Core Barrel (LT)
	HQ Size Core Barrel (NT)		HQ Size Core Barrel (LT)
	Bulk Sample Collected from Cuttings (NT)		Bulk Sample Collected from Cuttings (LT)

Note: LT=lab testing performed on sample; NT= no lab testing performed on sample

DRIVING DATA

23	23 blows drove sampler 305mm, after initial 152mm of seating
68/203{8}	68 blows drove sampler 203mm {8"}, after initial 152mm of seating
*50/76{3}	50 blows drove sampler 76mm {3"} during seating interval (Note: To avoid damage to sampling tools, driving is limited to 50 blows per 152mm interval)
PUSH	Sampler pushed under static load
20@150	20 seconds time @ an average pressure of 150 psi to descend depth interval of 305 mm (1 ft) (Note: ## indicates no reading obtained)
NR	Indicates no recovery of material in sampler for entire drive

OTHER SYMBOLS

	Water level encountered while drilling (Time/Date)		Strata boundary inferred without visual confirmation (i.e. no sample or boring cuttings retrieval)
	Water level measured in hole after drilling (Time/Date)		
	Seepage from sidewall noted		

TESTING

CONS	Consolidation (Cal Test 219)	L _r	Recovery Ratio (rock cores only)
UU	Uncons. Undrained Triaxial (Cal Test 230)	RQD	Rock Quality Designation (%)
CU	Cons. Undrained Triaxial (Cal Test 230)	CP	Compaction Test (Cal Test 216)
DS	Cons. Drained Direct Shear (ASTM D3080)	PERM	Permeability (Cal Test 220))
UCC	Unconfined Compression (Cal Test 221)	COR	Corrosivity Testing (Cal Test 532/643)
LL	Liquid Limit-% (Cal Test 204)	GRAD	Gradation Analysis (Cal Tests 202/203)
PI	Plasticity Index (Cal Test 204)	EP	Expansion Pressure Test (Cal Test 354)
PP	Pocket Penetrometer	TORV	Pocket Torvane Test
S _v	Undrained Shear Strength: From UU, or one-half the unconfined compressive strength per UCC or PP; Intended as a guideline only and does not address clay content or draining characteristics of material.		Dip Angle

GENERAL NOTES

- Logs represent general subsurface conditions observed at the point of exploration on the date indicated.
- In general, USCS designations presented on logs were established by visual methods only; Therefore, actual designations (based on laboratory tests) may vary.
- No warranty is provided as to the continuity of soil conditions between individual sample locations.
- Lines separating strata on the logs represent approximate boundaries only; actual transitions may be gradual.



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EA: 03-436010

Date: 08/21/01

BORING LOG LEGEND

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)

PLATE NO.

Geotechnical Design Report

A-7

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-1
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 15 May 2001
DRILLING METHOD: HAND AUGER	SAMPLING METHOD: GRAB	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 141+27	APPROX. DISTANCE FROM PROPOSED CL: 24 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² /tsf	ADDITIONAL COMMENTS AND TESTS
				SILTY SAND, tan, dry, fine to medium grained w/trace fine gravels.	SM		1						Gradation: Passing #4=92% Passing #200=12% Organic Content 1.7% Ph 6.6 Cation Exchange Capacity 67.3mg/kg
0.61	2			SILTY SAND, dark brown, slightly moist, fine to medium grained w/trace fine gravels	SM								
1.22	4			SILTY SAND, reddish-brown, slightly moist, medium to course grained w/ some fine gravels	SM								
1.83	6												
2.44	8			SILTY SAND, brown to tan, dry, fine to medium grained w/ increase in silt content	SM								
3.05	10												
3.66	12			SILTY SAND, light tan, dry, fine grained w/ minor silt	SM								
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-1
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3) Geotechnical Design Report	

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-2
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 15 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 140+39	APPROX. DISTANCE FROM PROPOSED CL: 27 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY KN/m ³	pcf	S _u (TEST TYPE) kg/cm ² /tsf	ADDITIONAL COMMENTS AND TESTS
	0.61	2		SILTY SAND, dark brown, moist, fine to medium grained	SM		2						Gradation: Passing #4=91% Passing #200=10%
	1.22	4		SILTY SAND, orange to dark brown, moist, fine to medium graind w/ some fine gravels	SM								Organic Content 1.7% Ph 6.2 Cation Exchange Capacity 72.8mg/kg
	1.83	6											
	2.44	8		SILTY SAND, brown to tan, dry, fine to medium grained	SM								
	3.05	10		SILTY SAND, tan to orange, very moist, increased silt content w/ trace fine gravels	SM								
	3.66	12		SILTY SAND, reddish-brown, moist, fine to medium grained w/ trace gravels	SM								
	4.27	14		Bottom of Boring 3.96 m (13 ft)									
	4.88	16											
	5.49	18											
	6.10	20											



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EA: 03-436010

Date: 08/21/01

LOG OF BORING NO. 01-2

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)

Plate No.

Geotechnical Design Report

A-9

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-3
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 15 May 2001
DRILLING METHOD: HAND AUGER	SAMPLING METHOD: GRAB	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 140+20.	APPROX. DISTANCE FROM PROPOSED CL: 28 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² ;tsf	ADDITIONAL COMMENTS AND TESTS
				SILTY SAND, dark brown, dry, fine to medium grained w/ some fine gravels.	SM		3						Gradation: Passing #4=93% Passing #200=9% Organic Content 1.7% Ph 6.1 Cation Exchange Capacity 66.6mg/kg
	0.61	2		SILTY SAND, reddish-brown, slightly moist, fine to medium grained, w/ trace gravels	SM								
	1.22	4		SILTY SAND, tan, moist, medium to course grained w/ trace fine gravels	SM								
	1.83	6											
	2.44	8		SILTY SAND, light tan, moist, fine to medium grained w/ trace gravels	SM								
	3.05	10		SILTY SAND, tan, moist, fine to medium grained w/ increased silt content	SM								
	3.66	12		SILTY SAND, orange-brown to tan-brown, slightly moist to moist, fine to medium grained	SM								
	4.27	14		Bottom of Boring 3.96 m (13 ft)									
	4.88	16											
	5.49	18											
	6.10	20											

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		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3) Geotechnical Design Report	

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-4
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 15 May 2001
DRILLING METHOD: HAND AUGER	SAMPLING METHOD: GRAB	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 139+21	APPROX. DISTANCE FROM PROPOSED CL: 25 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _w (TEST TYPE) kg/cm ² , tsf	ADDITIONAL COMMENTS AND TESTS
				SILTY SAND, dark brown, dry, fine to medium grained w/ some fine gravels.	SM		4						Gradation: Passing #4=99% Passing #200=16% Organic Content 2.3% Ph 6.1 Cation Exchange Capacity 78.3mg/kg
0.61	2			SILTY SAND, tan, dry, fine grained w/ trace fine gravels and tree roots	SM								
1.22	4			SILTY SAND, yellowish-brown, dry, fine to medium grained w/ trace fine gravels	SM								
1.83	6			SILTY SAND, tan, dry, fine to medium grained w/ some fine gravels	SM								
2.44	8												
3.05	10			SILTY SAND, light gray to brown, slightly moist, fine grained w/ increased silt content	SM								
3.66	12												
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-4
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)	

Geotechnical Design Report

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-5
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 15 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 138+40	APPROX. DISTANCE FROM PROPOSED CL: 16 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² ,tsf	ADDITIONAL COMMENTS AND TESTS
				SILTY SAND, dark brown, slightly moist, fine to medium grained. Roots a 3" and 6"	SM		5						Gradation: Passing #4=91% Passing #200=8% Organic Content 2.1% Ph 6.2 Cation Exchange Capacity 82.8mg/kg
0.61	2			SILTY SAND, orange to dark brown, moist, coarse grained w/ some fine gravels	SM								
1.22	4												
1.83	6			SILTY SAND, reddish-brown to brownish-tan, dry, fine to medium grained w/ fine gravels	SM								
2.44	8												
3.05	10												
3.66	12												
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												



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EA: 03-436010

Date: 08/21/01

LOG OF BORING NO. 01-5

03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)

Geotechnical Design Report

Plate No.

A-12

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-6
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 16 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 137+58	APPROX. DISTANCE FROM PROPOSED CL: 21 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² , tsf	ADDITIONAL COMMENTS AND TESTS
0.61	2			SILTY SAND, dark brown, slightly moist, fine to medium grained w/ trace fine gravels	SM		6						Gradation: Passing #4=92% Passing #200=16% Organic Content 2.5% Ph 6.0 Cation Exchange Capacity 83.5mg/kg
				SILTY SAND, orangish-dark brown, moist, coarse grained w/ some fine sub-rounded gravels	SM								
1.22	4			SILTY SAND, light tan, moist, fine to medium grained.	SM								
1.83	6			SILTY SAND, light tan, moist, coarse grained.	SM								
2.44	8			SILTY SAND/ SANDY SILT, orangish-tan, very moist, very fine grained sand.	SM/ ML								
3.05	10			SILTY SAND/ SANDY SILT, orangish-tan, fine to medium grained.	SM								
3.66	12												
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-6
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)	
Geotechnical Design Report			

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-7
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 16 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 136+70	APPROX. DISTANCE FROM PROPOSED CL: 23 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² ; tsf	ADDITIONAL COMMENTS AND TESTS
				SILTY SAND, dark brown, moist, fine to medium grained w/ abundant organics	SM		7						Gradation: Passing #4=97% Passing #200=12% Organic Content 2.8% Ph 6.9 Cation Exchange Capacity 94mg/kg
0.61	2			SILTY SAND, orangeish-brown, slightly moist, fine to medium grained w/ trace gravels and roots	SM								
1.22	4			SILTY SAND, tan, moist, fine to coarse grained w/ some fine gravels	SM								
1.83	6												
2.44	8												
				SILTY SAND, orangish-tan, slightly moist to moist, fine to medium grained	SM								
3.05	10			SILTY SAND, orangish-brown, slight moist to moist medium to coarse grained w/ some fine gravels	SM								
				SILTY SAND/ SANDY SILT, tannish-brown, very fine grained	SM/ML								
3.66	12												
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-7
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)	

Geotechnical Design Report

DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-8
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 16 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 135+95	APPROX. DISTANCE FROM PROPOSED CL: 24 m Right

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² , tsf	ADDITIONAL COMMENTS AND TESTS
0.61	2			SILTY SAND, orangish-brown, slightly moist, fine to medium grained w/ trace sub-rounded fine gravels	SM		8						Gradation: Passing #4=97% Passing #200=16% Organic Content 2.3% Ph 6.5 Cation Exchange Capacity 88mg/kg
1.22	4			SILTY SAND, tan, slightly moist, fine grained w/ roots upto 1/2" in dia.	SM								
1.83	6			SILTY SAND, alternating orange tan banding, slightly moist, fine grained	SM								
2.44	8			SILTY SAND/ SAND, orangish-tan, slightly moist, coarse grained w/ some fine sub-rounded gravels	SM/ SW								
3.05	10			SILTY SAND/ SANDY SILT, light tan, slightly moist, very fine grained	SM/ ML								
3.66	12			SILTY SAND/ SANDY SILT, orangish-tan, slightly moist, very fine grained	SM/ ML								
4.27	14			Bottom of Boring 3.96 m (13 ft)									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-8
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)	
Geotechnical Design Report			A-15

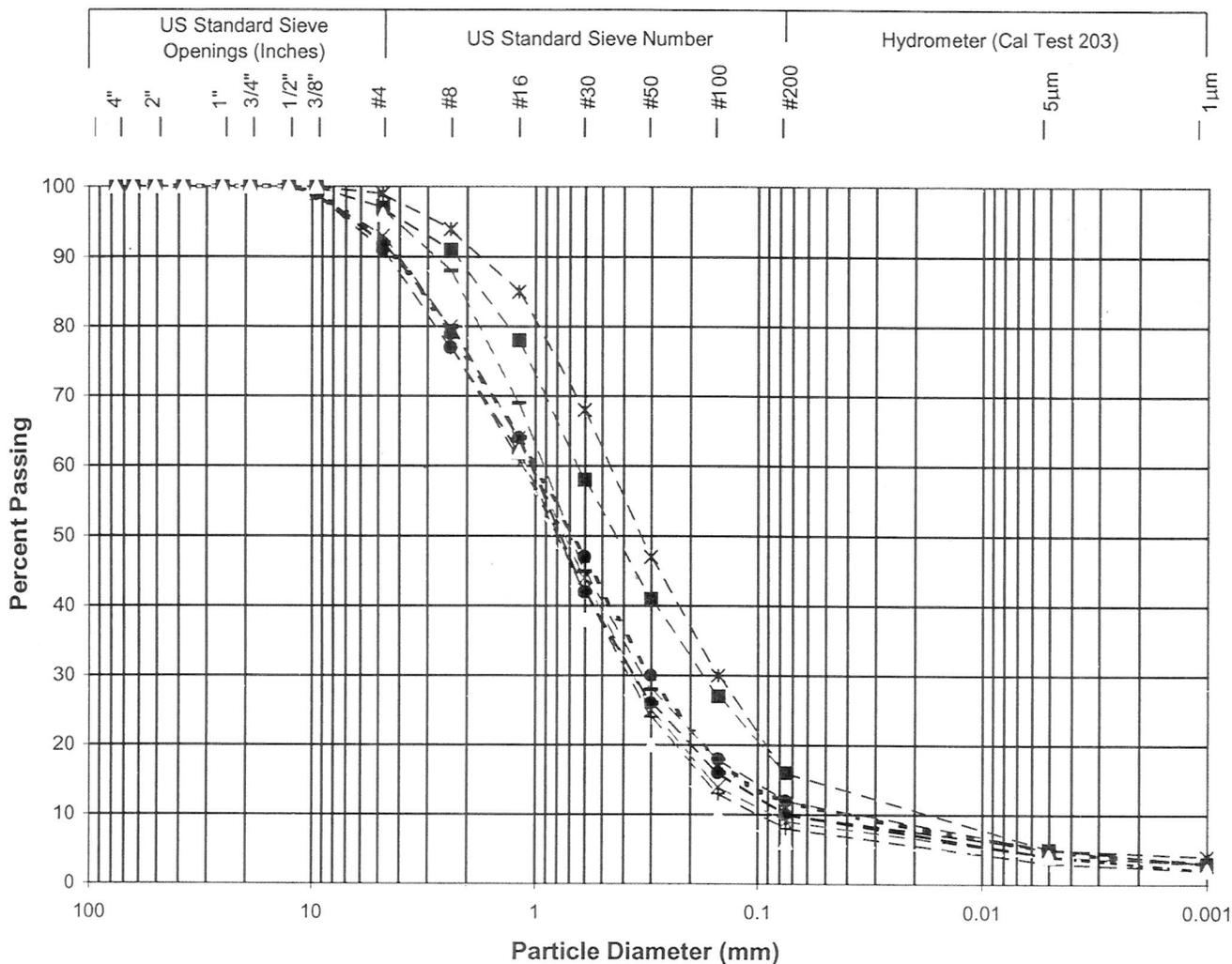
DRILL RIG: N/A	GROUND SURFACE ELEVATION: N/A	LOG I.D. Boring No. 01-9
BORING DIAMETER: 89 mm	DEPTH TO GROUND WATER: Not Encountered	DATE PERFORMED: 16 May 2001
DRILLING METHOD: Hand Auger	SAMPLING METHOD: Grab	LOGGED BY: BW
NOTES:	APPROXIMATE BORING LOCATION (STA;KP;PM): 126+41	APPROX. DISTANCE FROM PROPOSED CL: 33 m Left

ELEVATION (m)	DEPTH (m)	DEPTH (ft)	GRAPHIC LOG	GEOTECHNICAL DESCRIPTION	SOIL TYPE	SAMPLER	SAMPLE NO.	DRIVING DATA	WATER CONTENT %	DRY DENSITY kN/m ³	pcf	S _u (TEST TYPE) kg/cm ² , tsf	ADDITIONAL COMMENTS AND TESTS
0.61	2			SAND, light brown to light gray, dry, fine to coarse sub-rounded to rounded grains w/ trace silt	SW		9						Gradation: Passing #4=96% Passing #200=6% Organic Content 0.8% Ph 7.1 Cation Exchange Capacity 94mg/kg
1.22	4			SAND, red to orangish-brown, dry, fine to coarse sub-rounded to rounded grains w/ trace silt	SW								
1.83	6			SANDY SILT, red to brown, dry, w/ trace very fine sands	ML								
2.44	8			SILTY SAND, brown, moist, fine grained w/ trace fine gravels	SM								
3.05	10			SILTY SANDY GRAVEL/SILTY GRAVELLY SAND, brown, moist, w/ gravel clast upto 1"	GP/SM								
3.66	12												
4.27	14			Bottom of Boring 2.13 m (7 ft) Encountered Refusal									
4.88	16												
5.49	18												
6.10	20												

	CALTRANS Division of Engineering Services Geotechnical Services Office of Geotechnical Design-North	EA: 03-436010	LOG OF BORING NO. 01-9
		Date: 08/21/01	
		03-ED-50- KP 121.3/127.6 (PM 75.4/798.3)	

Geotechnical Design Report

Gradation Analysis Test Results



GRAVELS		SANDS			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		

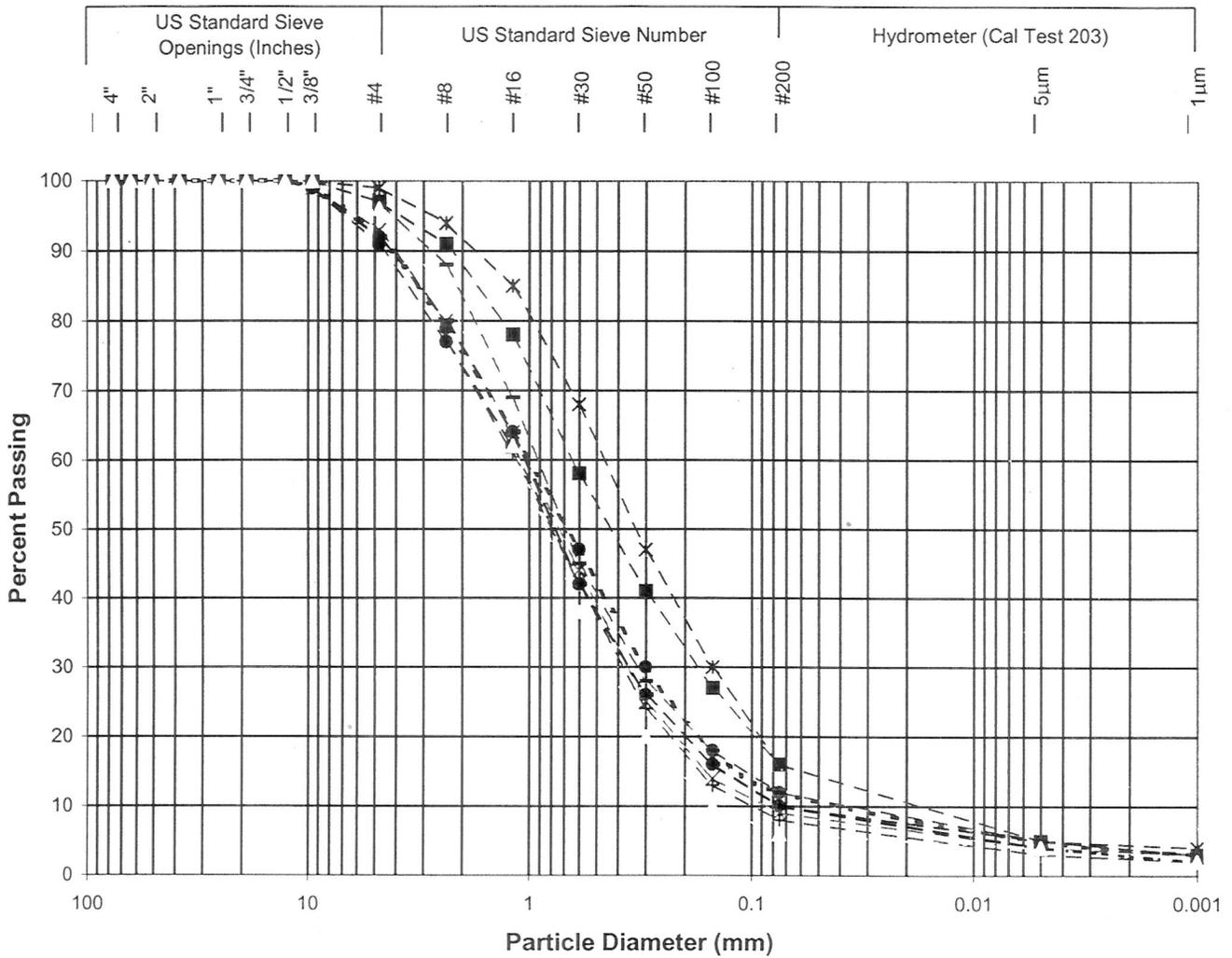
Sample ID:	- ● - BORING 1	- ● - BORING 2
	- * - BORING 4	- + - BORING 5
	- - - BORING 7	- ■ - BORING 8
		- x - BORING 3
		- - - BORING 6
		BORING 9



Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design -North

Plate No. A-17	Gradation Results
EA: 03-436010	
D.-Co.-Rt.-: 03-ED-50-PM 75.4/79.3	
Test Date: August 2001	

Gradation Analysis Test Results



GRAVELS		SANDS			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		

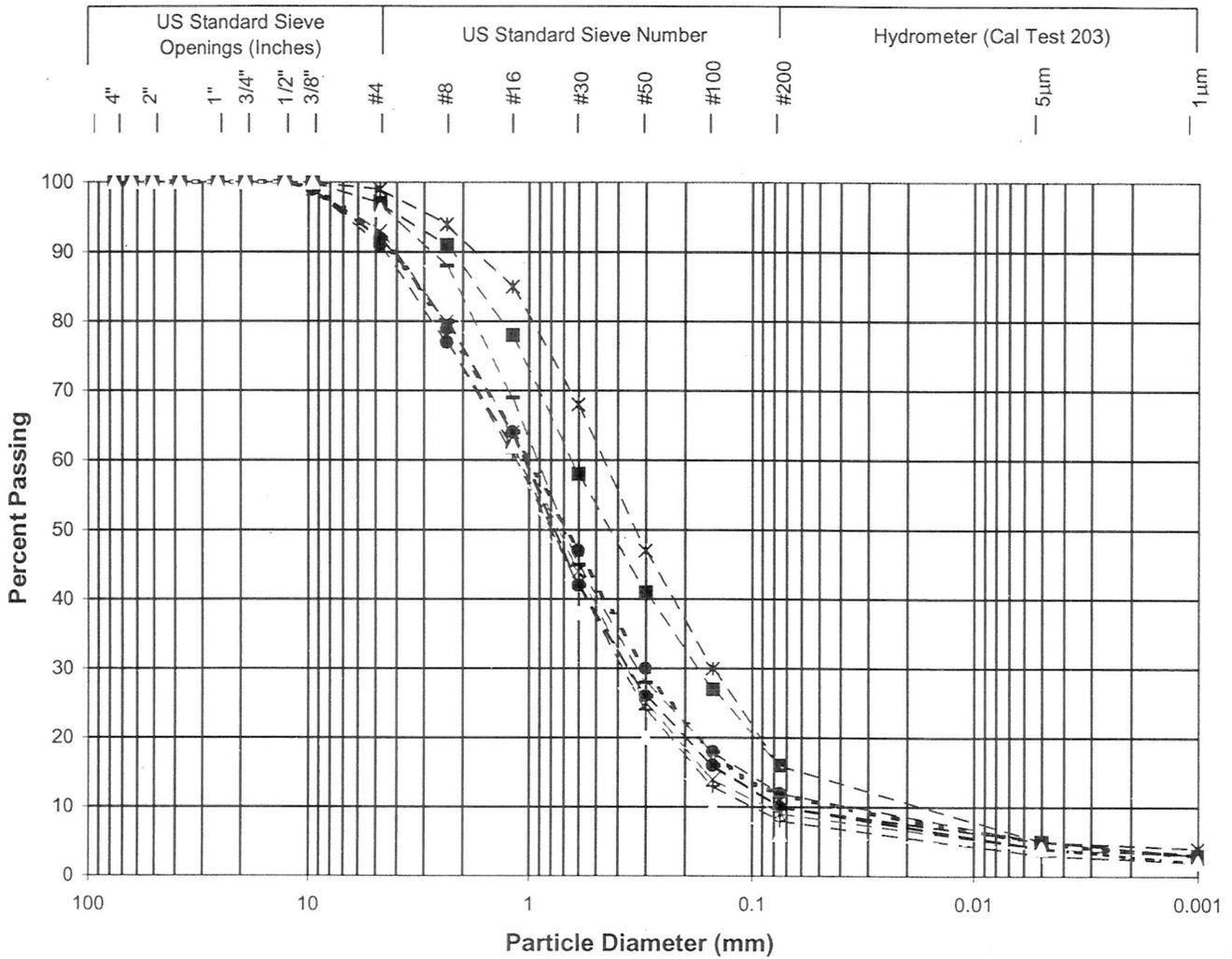
Sample ID:	- ● -	BORING 1	- ● -	BORING 2	- × -	BORING 3
	- * -	BORING 4	- + -	BORING 5	- - -	BORING 6
	- - -	BORING 7	- ■ -	BORING 8		BORING 9

Plate No. A-17	Gradation Results
EA: 03-436010	
D.-Co.-Rt.-: 03-ED-50-PM 75.4/79.3	
Test Date: August 2001	



Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design -North

Gradation Analysis Test Results



GRAVELS		SANDS			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		

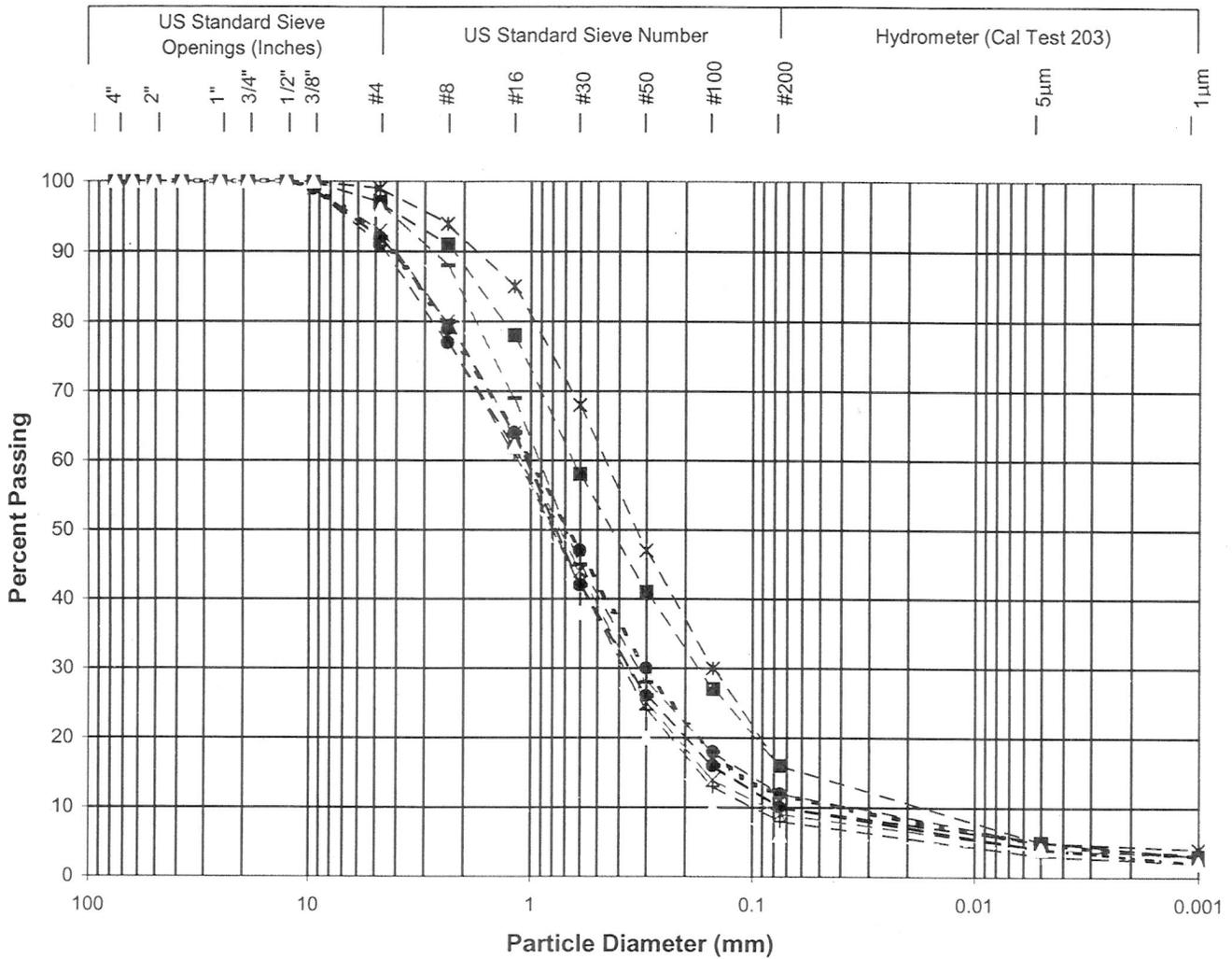
Sample ID:	- ● - BORING 1	- ● - BORING 2
	- * - BORING 4	- + - BORING 5
	- - - BORING 7	- ■ - BORING 8
		- x - BORING 3
		- - - BORING 6
		BORING 9



Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design -North

Plate No. A-17	Gradation Results
EA: 03-436010	
D.-Co.-Rt.-: 03-ED-50-PM 75.4/79.3	
Test Date: August 2001	

Gradation Analysis Test Results



GRAVELS		SANDS			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		

Sample ID:	- ● -	BORING 1	- ● -	BORING 2	- x -	BORING 3
	- * -	BORING 4	- + -	BORING 5	- - -	BORING 6
	- - -	BORING 7	- ■ -	BORING 8		BORING 9

Plate No. A-17	Gradation Results
EA: 03-436010	
D.-Co.-Rt.-: 03-ED-50-PM 75.4/79.3	
Test Date: August 2001	



Division of Engineering Services
 Geotechnical Services
 Office of Geotechnical Design -North

Pavement Coring Data

ED-50-77.3-79.3
03-1A73U
Trout Creek to Ski Run

Existing Asphalt Concrete Pavement Thickness (feet)							
Station	at Westbound Shoulder	at Westbound #2 lane	at Westbound #1 lane	at Two Way Left Turn lane	at Eastbound #1 lane	at Eastbound #2 lane	at Eastbound Shoulder
103+20	0.60		0.53	0.72	1.00		0.52
105+30				1.64			
108+20	0.58	0.58	1.42	1.88	1.25		0.46
113+70	0.50	0.79	1.21	1.67	1.30	0.65	0.42
117+75				1.59			
123+20	0.50	0.75	1.04	1.12	1.55	0.83	0.54
131+20	0.60	0.88	1.21	1.15	1.10	0.71	0.38
131+55				0.92			
133+00							0.80
138+00							0.67
143+20	0.50	0.77	1.00	1.21	1.22		
144+35				1.22			
147+00							0.80
153+20	0.90	1.00	1.08	1.17	1.09		
155+00							0.73
157+80				1.25			
160+00							0.58
163+20	0.40	0.72	1.08	1.09	1.05		
167+00							0.37
170+20	0.44	0.67	1.08	1.08	1.13		
170+90				0.71			
171+00				1.21			
173+50				1.17			
180+00	0.83			1.08			0.81
180+70	0.30	0.70	1.08	1.08	1.00	0.71	0.54
185+35				0.92			
190+00	0.48			1.02			0.63
197+15				0.95		0.75	
200+00	0.54			0.98			0.35



SOILS-HYDROLOGIC INVESTIGATION

State of California
Department of Transportation District 3
EA1A733



January 2008

WOOD RODGERS

DEVELOPING INNOVATIVE DESIGN SOLUTIONS

575 Double Eagle Court

Reno, Nevada 89521

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TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION SOIL PROFILE DESCRIPTION

INTRODUCTION

Pursuant to a request made by Bruce Roberts, PE, Sr. Transportation Engineer, California Department of Transportation (Caltrans) Wood Rodgers, Inc. soil scientist Leslie Burnside conducted a field assessment of soil and hydrologic conditions associated with Caltrans proposed water quality improvement facilities on US Highway 50, South Lake Tahoe, California. The purpose of the field investigation was to satisfy requirements under the Tahoe Regional Planning Agency (TRPA) Code of Ordinances Chapter 64.

PROCEDURE

Wood Rodgers facilitated drilling/sampling with TRPA and PC Exploration. TRPA's representative Heather Gustafson (Associate Planner) was not present for the drilling and sampling of the eight (8) locations investigated. However, pursuant to direction provided by Caltrans, Wood Rodgers preserved samples and delivered them to the Paul Nielson, TRPA South Shore Office, Watercress Room for review by Ms. Gustafson accompanied by the TRPA/Caltrans Soils/Hydro Summary Forms on December 20, 2007.

Caltrans and TRPA have an established protocol for documentation of Chapter 64 Soils/Hydrologic Investigations. Thus, a Scoping Report was not prepared for the drilling locations which were included in our investigation as they had been determined in advance based upon collaborative discussions between TRPA and Caltrans. During the SR 267 field investigation, TRPA provided verbal guidance in the field to Wood Rodgers and Caltrans that a Final Report would include soil profile descriptions to be submitted to Caltrans.

Attached maps are provided for reference.

RESULTS

Following is a brief summary of findings. Please see the attached soils profile descriptions for more detailed soil information.

Station 108 + 40' +/- Right

Evidence of seasonally high groundwater, soil mottling was documented at approximately 66 inches below natural ground surface, and 80 inches below existing grade. Soils were dry throughout the profile.

Station 104 + 75' +/-Right

Evidence of seasonally high groundwater, soil mottling was documented at approximately 28 inches below natural ground surface, and 42 inches below existing grade. Soils were dry throughout the profile.

Station 175 +00' +/-Left

Evidence of seasonally high groundwater, soil mottling was documented at approximately 14 inches below natural ground surface, and 23 inches below existing grade. Soils were dry throughout the profile and became moist at approximately 50 inches.

Station 177' +00' +/-Left

Evidence of seasonally high groundwater, soil mottling was documented at approximately 16 inches below natural ground surface, and 23 inches below existing grade. Soils were dry throughout the profile.

Station 187 + 50' +/-Left

The drilling was abandoned at this site due to significant utility conflicts.

Station 196 + 50' +/-Left

Evidence of seasonally high groundwater, soil mottling was documented at approximately 47 inches below natural ground surface, and 61 inches below existing grade. Soils were dry throughout the profile.

Station 207 + 50' +/-Center

Evidence of seasonally high groundwater, gleyed soils were documented at approximately 2 inches below natural ground surface, and 20 inches below existing grade. Soils were dry throughout the profile.

Station 118+75 +/- Left

Evidence of seasonally high groundwater, soil mottling was documented at approximately 23 inches below natural ground surface, and 31 inches below existing grade. Soils were dry throughout the profile.

Caltrans EA 1A733

Project Number 8314.005

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/4/07
Design Elements: Water Quality Improvements	Location: Station 108 + 40 Right HWY 50, South Lake Tahoe, CA
Soil Map Unit:	NE Corner of Edgewood Circle and HWY 50 westbound Site 1

Other Pertinent Information:

AC 8", Base 6". Native ground surface 14" below grade, paved location. Total depth drilled = 7.5'

Depth 0 to 24

Texture Modifier	SCL Gr	SC Cob	CoSL Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR 4/4			Moist Color			10YR/4/4		
Mottle Color	None								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 24 to 48

Texture Modifier	SCL Gr	SC Cob	CoS Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10 YR 4/4			Moist Color			10 YR 4/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth 48 to 58

Texture	SCL	SC	VCoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR 5/4			Moist Color			10YR 5/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

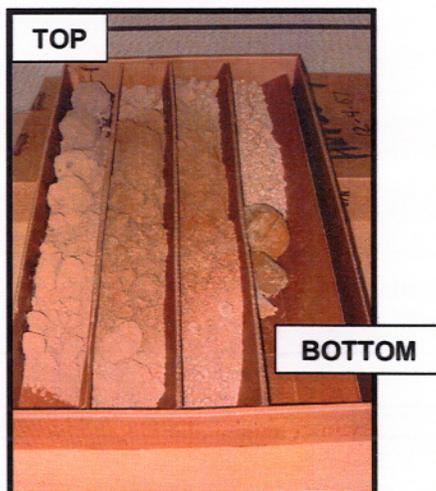
Depth 58 to 66

Texture	SCL	SC	VCoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR 5/4			Moist Color			10YR 6/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth	66		To	78					
Texture	SCL	SC	VCoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR 5/6			Moist Color			10YR 5/6		
Mottle Color	7.5YR 5/8								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth	78		to	90					
Texture	SCL	SC	SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10 YR 5/6			Moist Color			10YR 5/6		
Mottle Color	7.5YR 5/8								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



Caltrans EA 1A733
Project Number 8314.005

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/4/07
Design Elements: Water Quality Improvements	Location: Station 104 + 75 Right HWY 50, South Lake Tahoe, CA
Soil Map Unit:	NW of the Corner of Edgewood Circle and HWY 50 westbound Site 2

Other Pertinent Information:

AC 8", Base 6". Native ground surface 14" below grade, paved location. Total depth drilled = 4.5'

Depth	0		to	12					
Texture	SCL	SC	CoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR4/4			Moist Color			10YR4/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth	12		to	18					
Texture	SCL	SC	CoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR4/2			Moist Color			10YR4/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

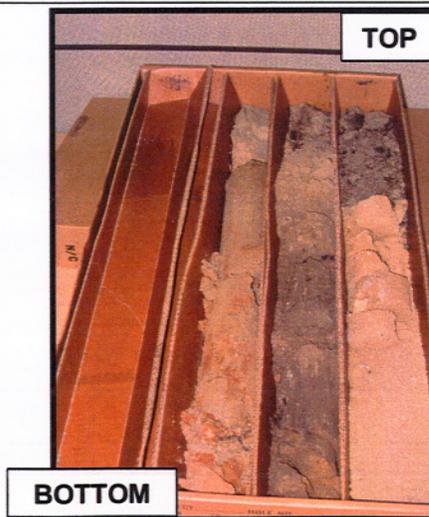
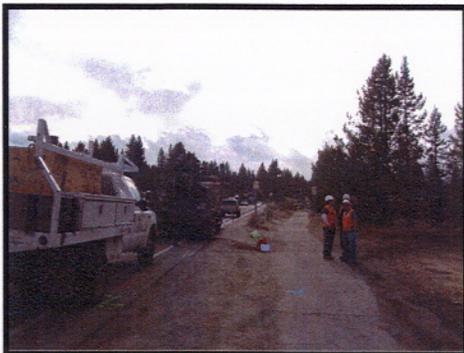
TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth 18 to 28

Texture	SCL	SC	CoSL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR3/2			Moist Color			10YR4/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 28 to 54

Texture	SCL	SC	CoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR5/2			Moist Color			10YR5/3		
Mottle Color	10YR4/6								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/4/07
Design Elements: Water Quality Improvements	Location: Station 175 + 00 Left HWY 50, South Lake Tahoe, CA
Soil Map Unit:	Safeway Site 3

Other Pertinent Information:

AC 5", Base 4". Native ground surface 9" below grade, paved location. Total depth drilled = 4.4'

Depth 0 to 14

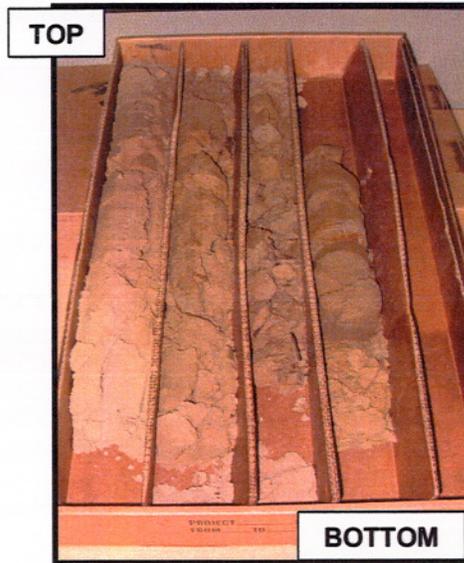
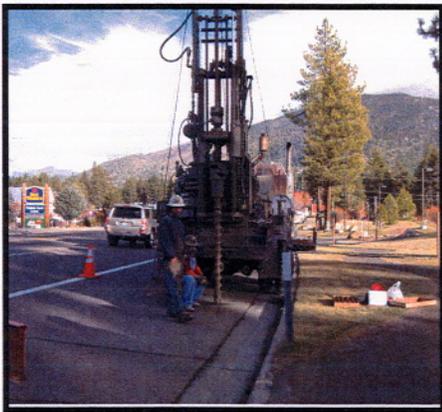
Texture Modifier	SCL Gr	SC Cob	CoSL Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR4/4			Moist Color			10YR4/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 14 to 32

Texture Modifier	SCL Gr	SC Cob	CoSL Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR5/3			Moist Color			10YR5/4		
Mottle Color	10YR5/6								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth	<u>32</u>		to	<u>53</u>					
Texture Modifier	SCL	SC	CoSL	C	CL	SiCl	SiCL	SiL	Si
	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	<u>10YR5/3</u>				Moist Color		<u>10YR5/4</u>		
Mottle Color	<u>10TR4/6</u>								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/4/07
Design Elements: Water Quality Improvements	Location: Station 177+00 Left HWY 50, South Lake Tahoe, CA
Soil Map Unit:	Safeway Site 4

Other Pertinent Information:

AC 5", Base 8". Native ground surface 13" below grade, paved location. Total depth drilled = 2.0'

Depth 0 to 2

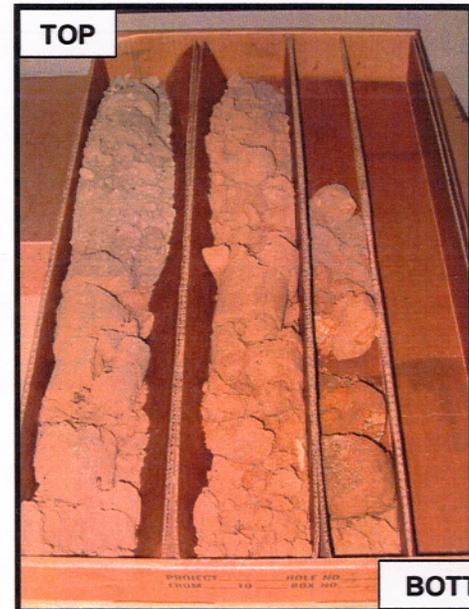
Texture	SCL	SC	SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR3/3			Moist Color			10YR3/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 2 to 16

Texture	SCL	SC	SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	7.5YR4/6			Moist Color					
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth	16		to	24			
Texture	SCL	SC	f SL	C	CL	SiCl	SiCL
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg
Dry Color	7.5YR5/6			Moist Color			
Mottle Color	7.5YR6/8						
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent		
Structure	Gr	ABK	SBK	Mass	Platy		
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)
Plasticity	NP	SP	P	VP			
Stickiness	NS	SS	S	VS			
Roots	None	Few	Common	Many	VF	F	M
Boundary	Smooth	Wavy	Irregular	Broken			
Distinctiveness	Abrupt	Clear	Gradual	Diffuse			
Moisture	Dry	Moist	Saturated	Seepage			
Comments							



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/5/07
Design Elements: Water Quality Improvements	Location: Station 187+50 Left HWY 50, South Lake Tahoe, CA
Soil Map Unit:	Days Inn Site 5
Other Pertinent Information: AC 6", Base 8". Native ground surface 14" below grade, paved location. Total depth drilled = 0	

Drilling was abandoned due to significant utility conflicts.



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/5/07
Design Elements: Water Quality Improvements	Location: Station 196+50 Left HWY 50, South Lake Tahoe, CA
Soil Map Unit:	Super 8 Motel Site 6

Other Pertinent Information:

AC 4", Base 10". Native ground surface 14" below grade, paved location. Total depth drilled = 4.25'

Depth 0 to 18

Texture Modifier	SCL Gr	SC Cob	fSL Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR3/3			Moist Color			10YR3/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 18 to 31

Texture Modifier	SCL Gr	SC Cob	fSL Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR4/4			Moist Color			10YR3/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

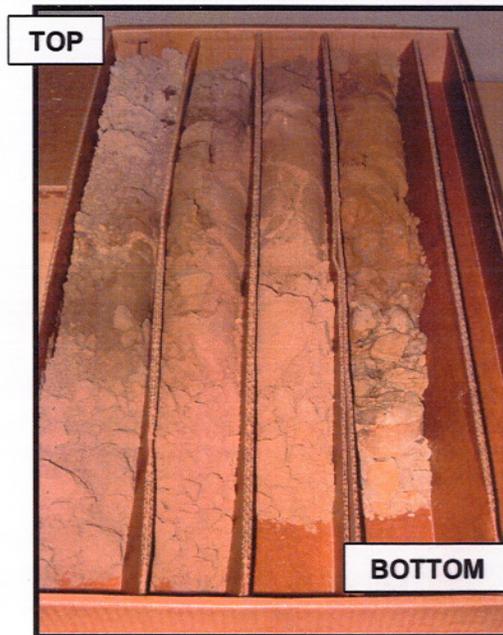
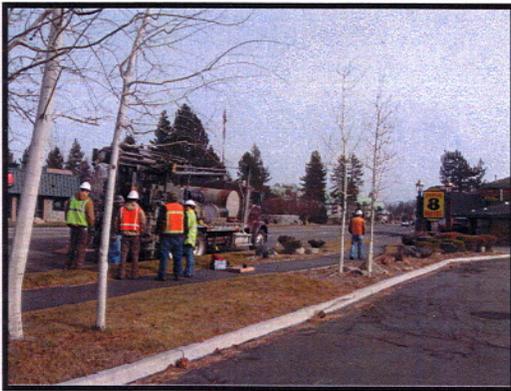
Depth	31		to	39					
Texture Modifier	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR5/3			Moist Color			10YR5/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth	39		to	47					
Texture Modifier	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR5/3			Moist Color			10YR5/3		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth 47 to 51

Texture	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR4/3		Moist Color						
Mottle Color	10YR4/6								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/5/07
Design Elements: Water Quality Improvements	Location: Station 207+50 Center HWY 50, South Lake Tahoe, CA
Soil Map Unit:	Ski Run Blvd and HWY 50 Site 7

Other Pertinent Information:

AC 11", Base 8". Native ground surface 18" below grade, paved location. Total depth drilled = 3.25'

Depth	0		to	2					
Texture	SCL	SC	CoSL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR4/2				Moist Color		10YR3/2		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth	2		to	14					
Texture	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	Gley2 5/5PB				Moist Color				
Mottle Color	7.5YR3/4								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

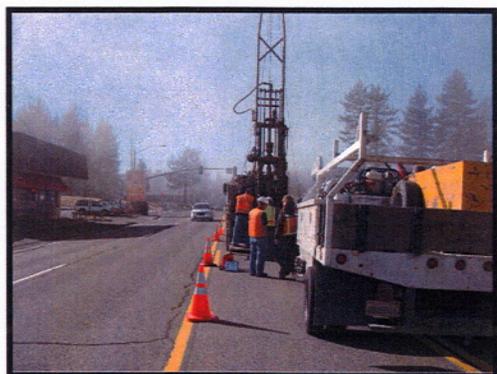
TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth 14 to 21

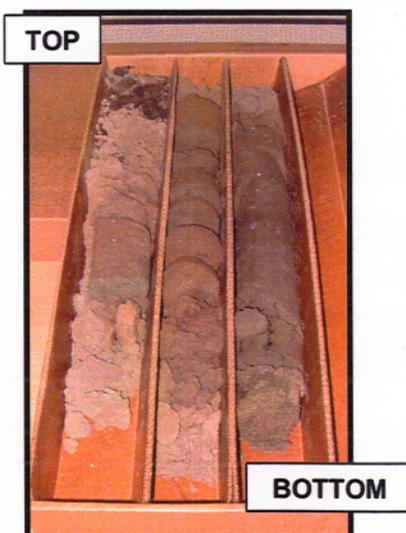
Texture	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR3/1			Moist Color			10YR5/3		
Mottle Color	7.5YR3/4								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 21 to 39

Texture	SCL	SC	f SL	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR3/1			Moist Color					
Mottle Color	7.5YR3/4								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



Caltrans EA 1A733
Project Number 8314.005



TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Project Name: California Department of Transportation EA 1A733	Observer: L Burnside
Project No.: 8314.005	Date: 12/5/07
Design Elements: Water Quality Improvements	Location: Station 118 + 75 Left HWY 50, South Lake Tahoe, CA
Soil Map Unit:	SLT Middle School Site 8

Other Pertinent Information:

Base 8". Native ground surface 8" below grade, paved location. Total depth drilled = 4.3'

Depth 0 to 12

Texture Modifier	SCL Gr	SC Cob	CoS Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR4/4			Moist Color			10YR3/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

Depth 12 to 23

Texture Modifier	SCL Gr	SC Cob	CoS Stn	C DRX	CL IWRX	SiCl MWRX	SiCL Dg	SiL	Si
Dry Color	10YR5/4			Moist Color			10YR4/4		
Mottle Color	NONE								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									

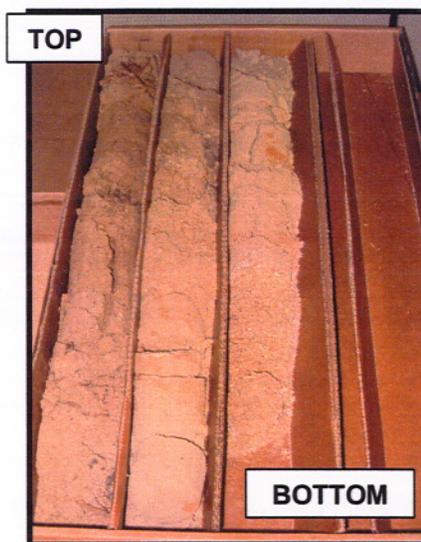
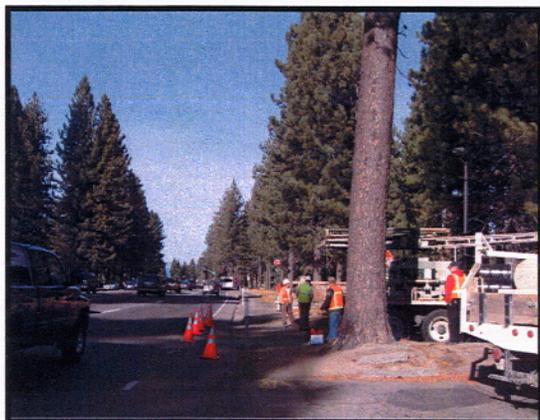
TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth	<u>23</u>		to	<u>32</u>					
Texture Modifier	SCL	SC	<u>SL</u>	C	CL	SiCl	SiCL	SiL	Si
	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	<u>10YR5/4</u>			Moist Color		<u>10YR3/4</u>			
Mottle Color	<u>10YR5/8</u>								
Distinctiveness	<u><2%</u>	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	<u>Mass</u>	Platy				
Consistence	L	<u>VFr</u>	Fr	F	VF	EF	S (refusal)		
Plasticity	<u>NP</u>	SP	P	VP					
Stickiness	<u>NS</u>	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	<u>Dry</u>	Moist	Saturated	Seepage					
Comments									

Depth	<u>32</u>		to	<u>46</u>					
Texture Modifier	SCL	SC	<u>SL</u>	C	CL	SiCl	SiCL	SiL	Si
	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	<u>10YR5/4</u>			Moist Color		<u>10YR5/4</u>			
Mottle Color	<u>10YR5/8</u>								
Distinctiveness	<u><2%</u>	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	<u>Mass</u>	Platy				
Consistence	L	<u>VFr</u>	Fr	F	VF	EF	S (refusal)		
Plasticity	<u>NP</u>	SP	P	VP					
Stickiness	<u>NS</u>	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	<u>Dry</u>	Moist	Saturated	Seepage					
Comments									

TRPA CH 64 SOILS/HYDROLOGIC INVESTIGATION
SOIL PROFILE DESCRIPTION

Depth	46		to	52					
Texture	SCL	SC	VCoS	C	CL	SiCl	SiCL	SiL	Si
Modifier	Gr	Cob	Stn	DRX	IWRX	MWRX	Dg		
Dry Color	10YR6/3, 6/4, 6/6				Moist Color				
Mottle Color	7.5YR6/8 IN 10YR6/3								
Distinctiveness	<2%	2-20%	Faint	Distinct	Prominent				
Structure	Gr	ABK	SBK	Mass	Platy				
Consistence	L	VFr	Fr	F	VF	EF	S (refusal)		
Plasticity	NP	SP	P	VP					
Stickiness	NS	SS	S	VS					
Roots	None	Few	Common	Many	VF	F	M	C	
Boundary	Smooth	Wavy	Irregular	Broken					
Distinctiveness	Abrupt	Clear	Gradual	Diffuse					
Moisture	Dry	Moist	Saturated	Seepage					
Comments									



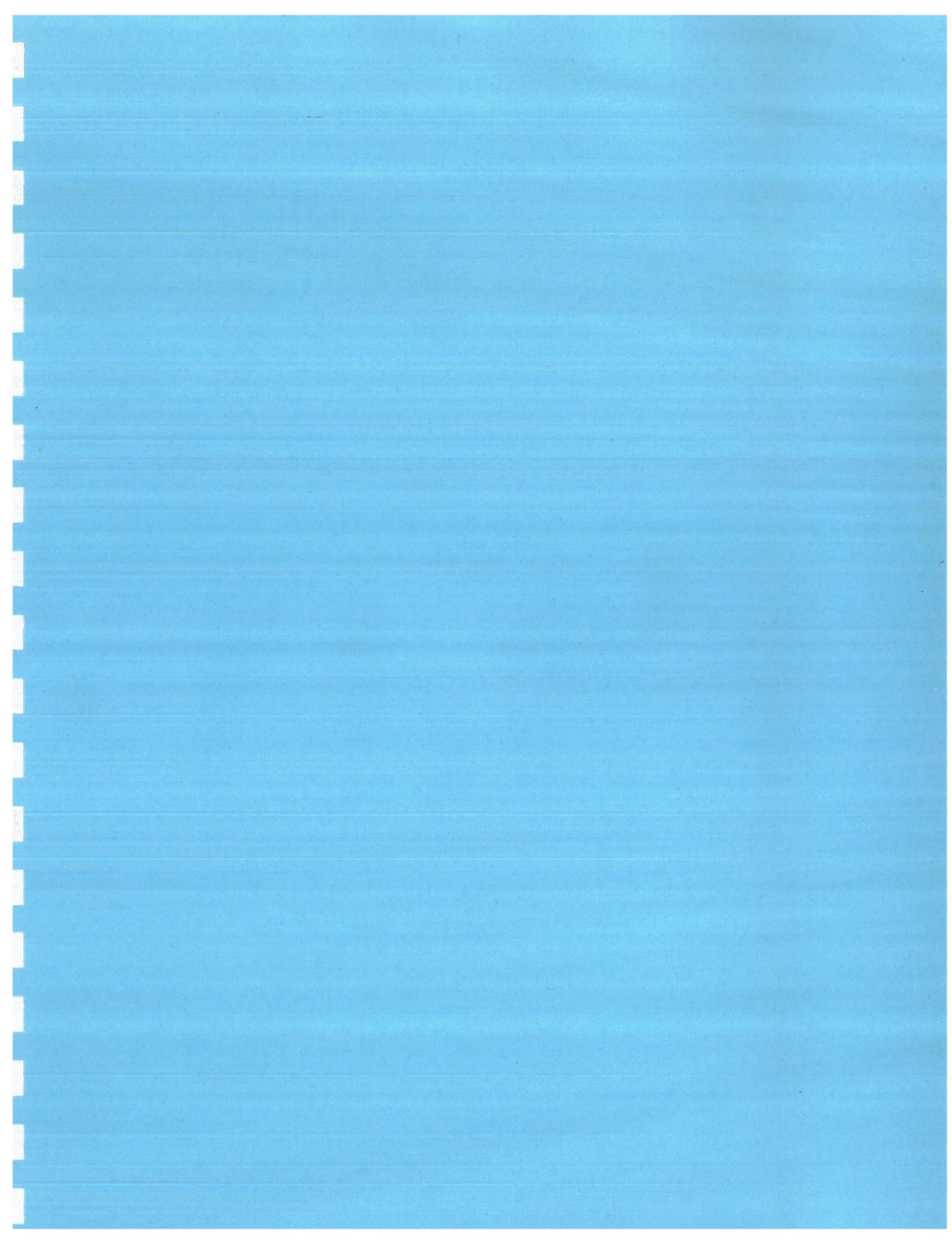
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SIGNATURE PAGE

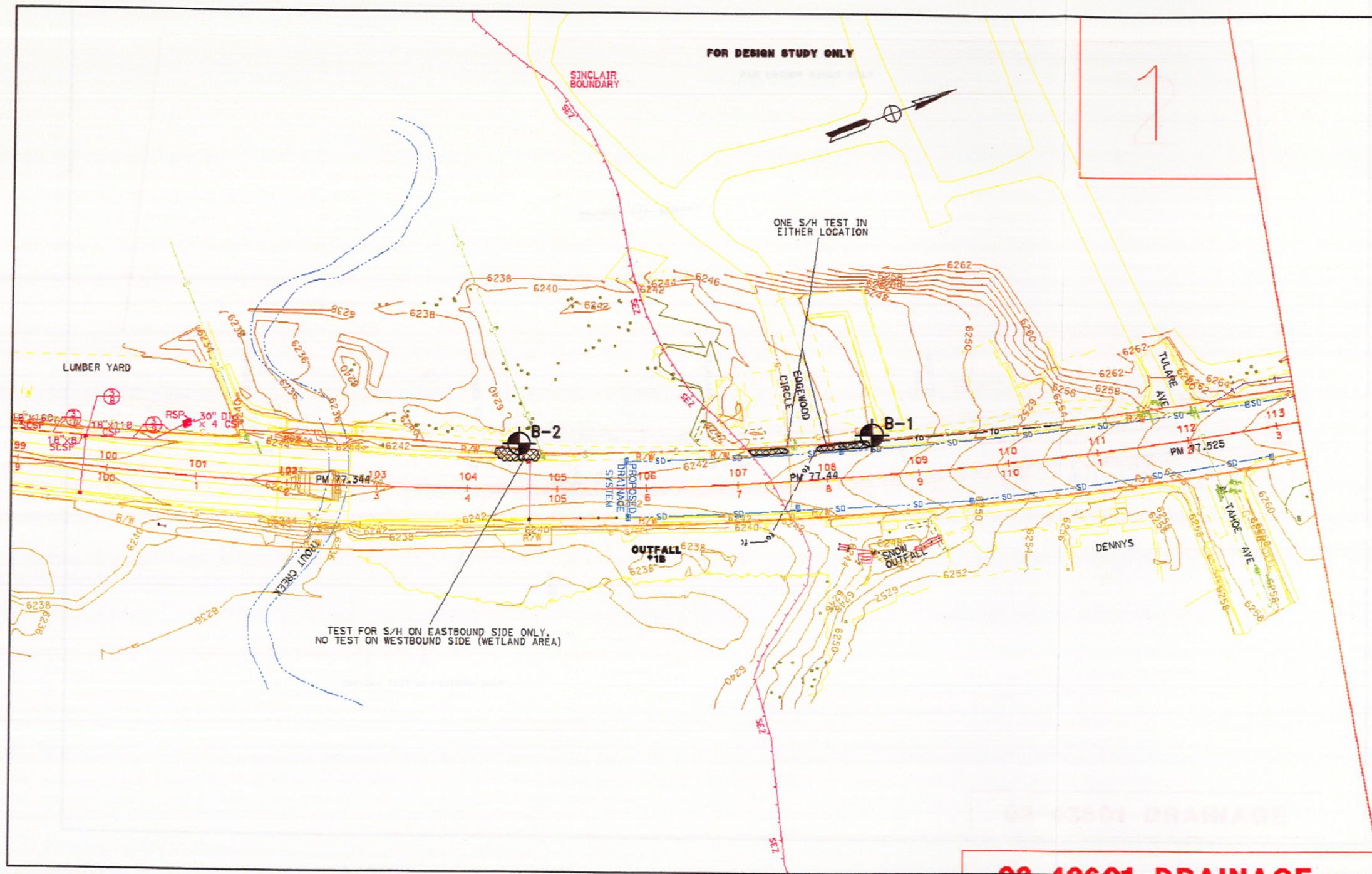
Field Investigation

Date

Report Preparation

Date





SCALE: NOT TO SCALE

APPROXIMATE BORING LOCATIONS

<p>WOOD RODGERS DEVELOPING INNOVATIVE DESIGN SOLUTIONS</p>		<p>FIGURE</p> <p style="font-size: 2em;">1</p>
<p>DRAWN BY DAB</p>	<p>JOB NUMBER 8314.005</p>	<p>APPROVED BY</p>
		<p>DATE Jan 2008</p>

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<p>FIGURE</p> <p style="font-size: 2em;">4</p>
<p>DATE Jan 2008</p>

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EA1A73U1 ELECTRICAL RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

ED-50-77.3/79.3
EA 03-436.1
Trout Creek to Ski Run Blvd

Station	Utility In Conflict	Lt/Rt	Offset		X-section	Solution	Prior or During Construction
1 124+76	Relocate or Mod Elect Vault	Rt	43.0	Curb and Gutter	E-7	Abandon Box after CT installs new box and service conduits for new traffic pedestal and ped lighting	During
2 125+40	Elec	Rt	36.2	Sand Trap	E-3	Protect in place	During
3 126+40	Relocate Elect Vault	Rt	36.0	Curb and Gutter	E-1	Relocate Box	Prior
4 127+28	Elec	Rt	35.7	Sand Trap	E-4	Lower Conduit	Prior
5 129+14	Elec	Rt	35.4	Sand Trap	E-2	Protect in place	During
6 131+64	Elec	Rt	34.8	Sand Trap	E-29	Lower Conduit	Prior
7 134+55	Elec	Rt	44.1	DI and 18" pipe	E-30	Lower Conduit	Prior
8 136+25	Elec	Rt	40.2	18" pipe	E-6	Protect in place	During
9 139+40	Relocate Elect Vault	Rt	35.1	Curb and Gutter	E-31	Abandon Vault	During
10 148+14	Relocate Elect Box	Lt	42.0	Curb Ramp		Relocate Box	Prior
11 148+18	Electrical	Lt	49.0	Type 1B Standard, distance=0.5'	E-26	Protect in place	During
12 148+20	Elec	Rt	33.5	18" pipe	E-9	Protect in place	During
13 153+00-154+00	Electrical cabinets and lines	Rt	60-105	Sand Vault	E-24	Relocate Cabinets and Conduits	Prior
14 153+75	Electrical	Rt	68.2	18" BMP Pipe	E-23	Lower Conduit	During
15 158+96	Elec	Rt	45.3	pipe	E-11	Protect in place	During
16 159+05	Elec	Rt	33.6	Drainage Pipe, Signal Pole	E-32	Protect in place	During
17 159+05	Relocate Elect Vault	Rt	37.4	Curb Ramp	E-32	Abandon Box	During
18 159+92	Electrical	Rt	39.3	Signal Pole (Type 19-4-100)	E-27	Protect in place	During
19 159+92 159+86	Relocate Elect Vault	Rt	40.0	Signal Pole (Type 19-4-100)		Relocate Box	Pending
20 164+41	Relocate Elect Vault	Rt	44.0	Curb Ramp	E-13	Relocate Box	Prior
21 166+10	Electrical	Lt	38.2	proximity conflict with Drainage Inle	E-35	Abandon Conduits/Protect in Place	During
22 167+07	Electrical	Lt		BMP	E-14	Abandon Conduits	During
23 171+20	Elec	Lt	33.6	Sand Trap	E-15	Protect in place	During
24 171+46	Elec	Rt	44.4	Signal Pole	E-39	Shift Conduits	Pending
25 171+90	Relocate Elect Vault	Rt	49.4	Signal Pole	E-40	Protect in place	During
26 175+70	Elec	Lt	37.8	DI	E-17	Protect in place	During
27 177+15	Elec	Lt	34.4	Sand Trap	E-18	Protect in place	During
28 177+39	Elec	Rt	38.5	Drainage Pipe	E-41	Protect in place	During
29 177+56	Elec	Lt	30.5	Drainage Pipe		Protect in place	During
30 183+42	Electrical	Rt	36.4	Proximity Conflict with Signal Pole	E-34	Protect in place	During
31 184+17.3	Electrical	Rt	40.0	Signal Pole (Type 26-4-100)	E-28	Shift Conduits	During
32 186+85	Elec	Rt	34.0	Sand Trap	E-21	Protect in place	During
33 197+80	Relocate Elect Vault	Lt	33.4	Curb and Gutter, 18" Pipe	E-42	Protect in place	During

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.

Conflict not cleared-No information was received back from utility companies.

EA1A73U1 TELEPHONE RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

ED-50-77.3/79.3
EA 03-436.1
Trout Creek to Ski Run Blvd

Station	Utility In Conflict	Lt/Rt	Offset	Element Type	X-section	Solution	Prior or During Construction
1 104+72	Tel	Lt	32.7	Sand Trap	T-1	Protect in Place	During
2 108+30	Tel	Lt	32.5	Sand Trap	T-2	Shift Conduits	Prior
3 112+57	Relocate Tel Vault	Lt	36.9	Curb and Gutter and Type 1B Standard	T-39	Relocate Vault	Pending
4 125+40	Tel	Rt	36.2	Sand Trap	T-4	Shift Conduits	Prior
5 125+95	Relocate Tel Vault	Rt	38.8	Curb and Gutter	T-10	Shift Conduits Relocate Box	Prior
6 127+28	Tel	Rt	35.8	Sand Trap	T-5	Shift Conduits	Prior
7 129+14	Tel	Rt	35.3	Sand Trap	T-6	Shift Conduits	Prior
8 129+30	Tel	Lt	31.7 32.2	18" pipe	T-7	Lower Conduits	Prior
9 129+73	Relocate Tel Vault	Rt	31.6	Curb and Gutter	T-8	Relocate Box	Prior
10 129+73	Tel	Rt	31.6	18" pipe	T-9	Shift Conduits	Prior
11 131+64	Tel	Rt	34.8	Sand Trap	T-14	Protect in Place	During
12 148+18	Telephone	Lt	49.0	Type 1B Standard, distance=0.5'	T-35	Protect in Place	During
13 158+99 159+02	Relocate Tel Vault	Rt	46.5 40.27	Curb Ramp, Signal Pole	T-15	Shift Box and Conduits	Prior
14 159+92	Relocate Tel Vault	Rt	40.0	Signal Pole (Type 19-4-100)	T-18	Conflict Not Cleared	
15 171+20	Tel	Lt	33.6	Sand Trap	T-32	Relocate Conduit	Prior
16 171+29	Tel Vault	Rt	34.4	Sand Trap	T-24,25	Relocate Box and Conduits	Prior
17 171+46	Telephone	Rt	44.4	Signal Pole	T-40	Protect in Place	During
18 171+93	Relocate Tel Vault	Rt	45.0	Curb Ramp	T-41	Shift Box SW	
19 173+40	Tel	Lt	33.7	Sand Trap	T-26	Relocate Box	Prior
20 175+70	Tel	Lt	37.8	DI	T-27	Lower Conduits	Prior
21 177+15	Tel	Lt	34.4	Sand Trap	T-28	Conflict Not Cleared	
22 183+42	Telephone	Rt	36.4	proximity conflict with Signal Pole	T-37	Conflict Not Cleared	
23 184+17.3	Telephone	Rt	40.0	Signal Pole (Type 26-4-100)	T-36	Lower Conduit by boaring	Prior
24 195+20	Telephone	Lt	36.1	DI	T-31	Protect in Place	During
25 196+74	Telephone	Lt	35.6	Proximity conflict with Drainage Inlet	T-37	Protect in Place	During
26 197+63	Relocate Tel Vault	Lt	33.9	18" pipe	T-33	Shift Box	Prior
27 199+85	Tel	Lt	36.3	Sand Trap	T-34	Protect in Place	During

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.
Conflict not cleared-No information was received back from utility companies.

EA1A73U1 SEWER RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

ED-50-77.3/79.3
 EA 03-436.1
 Trout Creek to Ski Run Blvd

Station	Utility In Conflict	Lt/Rt	Offset		X-section	Solution	Prior or During Construction
1 178+31	Mod Sewer MH	Rt	32.5	Change in Grade in Shoulder and Gutter	S-2	install new eccentric manhole cone	Prior
2 178+95.7	Mod Sewer MH	Rt	30.8	Change in Grade in Shoulder and Gutter, 18" Pipe	S-1	rotate existing eccentric manhole cone	Prior
3 184+30-184+60	Sewer FM	Lt	24.8	Double Box Culvert	S-3	Relocate FM Sewer w/45 degree bends	During

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.
 Conflict not cleared-No information was received back from utility companies.

EA1A73U1 FIBER OPTIC RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

	Station	Utility In Conflict	Lt/Rt	Offset	Element Type	X-section	Solution	Prior or During Construction
1	107+90	Relocate FO Cabinet	Rt	42.0	Sidewalk	FO-3	Shift Box	Prior
2	108+30	FO	Lt	32.5	Sand Trap	FO-1	Shift Conduit and protect with Slurry	During
3	171+20	FO	Lt	33.6	Sand Trap	FO-4	Conflict Not Cleared	During
4	178+28	FO	Rt	29.9	18" pipe	FO-5	Use 45 degree bends to lower condu	During
5	178+40	FO	Lt	30.0	18" pipe	FO-6	Use 45 degree bends to lower condu	During

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.

Conflict not cleared-No information was received back from utility companies.

ALL EA1A73U1 GAS RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

ED-50-77.3/79.3

EA 03-436.1

Trout Creek to Ski Run Blvd

	Station	Utility In Conflict	Lt/Rt	Offset		X-section	Solution	Prior or During Construction
1	111+00 to 112+00	Gas	Rt	33.0			Abandon/Replace Line	Prior
2	112+94	Gas	Rt	35.8	Sand Trap	G-1	Abandon Line	Prior
3	120+44	Gas	Rt	35.9	Sand Trap	G-2	Abandon Line	Prior
4	124+76	Relcate GV	Rt	49.8	Curb and Gutter		Abandon Line	Prior
5	124+85	Gas	CL	N/A			Install Line	Prior
6	125+43	Gas	Rt	36.2	Sand Trap	G-6	Abandon Line	Prior
7	127+28	Gas	Rt	36.2	Sand Trap	G-3	Abandon Line	Prior
8	132+85	Gas	CL	N/A			Replace Line	Prior
9	134+55	Gas	Rt	44.1	DI	G-7	Abandon Line	Prior
10	136+25	Gas	Rt	47.5	18" pipe	G-8	Abandon Line	Prior
11	140+37	Gas	Rt	33.1	18" pipe	G-9, 62	Abandon Line	Prior
12	142+95	Gas	Lt	34.2	Sand Trap	G-10	Abandon Line	Prior
13	142+96	Gas	Lt	36.4	Drainage Inlet	G-63	Abandon Line	Prior
14	145+50	Gas	Rt	36.9	Drainage Sandtrap	G-64	Abandon Line	Prior
15	146+74	Gas	Rt	34.8	Sand Trap	G-12	Abandon Line	Prior
16	147+50	Gas	Rt	34.5	Drainage Pipe	G-65	Abandon Line	Prior
17	148+00	Gas	Rt	34.9	DI	G-56	Abandon Line	Prior
18	150+00	Gas	Rt	43.5	Drainage Sandtrap	G-66	Abandon Line	Prior
19	153+06	Gas	Lt	34.0	Sand Trap	G-13	Abandon Line	Prior
20	153+75	Gas 6"	Rt	36.8	18" BMP Pipe	G-67	Abandon Line	Prior
21	153+75	Gas	Rt	36.8	Drainage Pipe	G-67	Abandon Line	Prior
22	153+75	Gas	Lt	35.3	DI	G-67	Abandon Line	Prior
23	153+40-155+00	Gas	Lt	34.4	18" Pipe		Abandon Line	Prior
24	155+00	Gas	Lt	34.5	DI & 18" pipe	G-16	Abandon Line	Prior
25	155+76	Gas	Rt	34.4	Drainage Inlet	G-69	Abandon Line	Prior
26	158+79	Gas	Rt	38.0	Drainage Pipe	G-70	Abandon Line	Prior
27	162+13	Gas	Lt	33.7	Sand Trap	G-19	Abandon Line	Prior
28	164+30	Gas	Lt	33.2	DI	G-21	Abandon Line	Prior
29	166+26	Gas	Lt	37.8	18" pipe	G-22	Abandon Line	Prior
30	166+50	Gas	Rt	34.7	Sand Trap	G-23	Abandon Line	Prior
31	167+07	Gas 2"	Lt	37.0	BMP	G-24	Abandon Line	Prior
32	167+07	Gas 8"	Lt	37.0	BMP	G-25	Abandon Line	Prior
33	168+60	Gas	Lt	33.8	DI & 18" pipe	G-26	Abandon Line	Prior
34	169+67	Gas	Rt	31.4	Pipe	G-75	Abandon Line	Prior
35	171+20	Gas	Lt	33.6	Sand Trap	G-27	Abandon Line	Prior
36	171+35	Gas	Rt	34.5	Drainage Inlet and Signal Pole	G-59	Abandon Line	Prior
37	173+40	Gas	Lt	33.7	Sand Trap	G-29	Abandon Line	Prior
38	175+70	Gas	Lt	37.8	DI	G-30	Abandon Line	Prior
39	175+81	Gas	Lt	33.4	18" pipe	G-31	Abandon Line	Prior
40	175+89	Gas	Lt	32.3	Manhole	G-32	Abandon Line	Prior
41	177+15	Gas 2"	Lt	34.4	Sand Trap	G-33	Abandon Line	Prior
42	177+15	Gas 8"	Lt	34.4	Sand Trap	G-34	Abandon Line	Prior
43	177+42 35	Gas	Rt	34.5	Drainage Pipe	G-76	Abandon Line	Prior

44	177+70	Gas	CL	N/A			Install Line	Prior	ED-50-77.3/79.3
45	178+60	Gas	Lt	34.5	Sand Trap	G-35	Abandon Line	Prior	EA 03-436.1
46	179+66	Gas	Lt	34.4	Sand Trap	G-36	Abandon Line	Prior	Trout Creek to Ski Run Blvd
47	179+71	gas	Rt	32.0	DI		Abandon Line	Prior	
48	179+80	Gas	Lt	34.4	18" pipe	G-37	Abandon Line/Replace with Deeper	Prior	
49	179+93	Gas	CL	N/A			Replace Line	Prior	
50	181+01	Gas	Lt	34.2	Sand Trap	G-58	Abandon Line	Prior	
51	182+58	Gas	Lt	34.2	Sand Trap	G-38	Abandon Line	Prior	
52	183+42	Gas	Rt	36.4	Signal Pole	G-60	Abandon Line	Prior	
53	183+80	Gas	Lt	34.5	Drainage Junction Box	G-40	Abandon Line	Prior	
54	184+41-184+62	Gas	Lt	36.0	Double Box Culvert		Abandon Line	Prior	
55	185+00	Gas	Lt	34.1	Sandtrap	G-41	Abandon Line	Prior	
56	185+00	Gas	Rt	33.9	Sandtrap	G-42	Abandon Line/Replace with Deeper	Prior	
57	186+69	Gas	Lt	35.8	18" pipe	G-44	Abandon Line	Prior	
58	186+80	Gas	Rt	39.3	DI	G-45	Abandon Line	Prior	
59	188+30	Gas	Lt	34.0	Sand Trap	G-46	Abandon Line	Prior	
60	189+65	Gas	Rt	34.0	Sand Trap	G-47	Abandon Line	Prior	
61	190+25	Gas	Lt	35.9	Sand Trap	G-48	Abandon Line	Prior	
62	191+60	Gas	Rt	34.1	Sand Trap	G-49	Abandon Line	Prior	
63	195+20	Gas	Lt	36.1	DI	G-50	Abandon Line	Prior	
64	195+45	Gas	CL	N/A			Install Line	Prior	
65	196+74	Gas	Lt	36.1	Drainage Inlet	G-73	Abandon Line	Prior	
66	196+90	Gas	Lt	35.9	Drainage Pipe	G-71	Abandon Line	Prior	
67	197+92	Gas	Lt	38.0	Pipe	G-72	Abandon Line	Prior	
68	198+29	Gas	Lt	37.0	Drainage Inlet	G-74	Abandon Line	Prior	
69	199+85	Gas	Rt	36.4	Sand Trap	G-53	Abandon Line	Prior	
70	199+85	Gas	Lt	33.7	Sand Trap	G-54	Abandon Line	Prior	

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.

Conflict not cleared-No information was received back from utility companies.

EA1A73U1 WATER RELOCATIONS/PROTECT IN PLACE/INSTALL AS OF 6/1/2010

ED-50-77.3/79.3

EA 03-436.1

Trout Creek to Ski Run Blvd

Station	Utility In Conflc Lt/Rt	Offset	Element Type	X-section	Solution	Prior or During Construction	
1 108+92	Fire Hydrant	Rt	53.6	Curb and Gutter	W-27	Relocate FH	Prior
2 119+13	Water	Rt	34.0	pipe and curb and gutter	W-3	Relocate Pipe w/45 degree bends	Prior
3 119+13	Fire Hydrant	Rt	34.0	pipe and curb and gutter	W-3	Relocate FH	Prior
4 123+42	Fire Hydrant	Rt	44.7	Curb and Gutter	W-27	Relocate FH	Prior
5 123+42	Water	Rt	44.7	pipe	W-27	Relocate Pipe	Prior
6 128+74	Fire Hydrant	Rt	31.8	Curb and Gutter	W-1	Relocate FH	Prior
7 134+92	Water- 3 lines	Rt	39.0	pipe	W-18	Relocate Pipe w/45 degree bend	Prior
8 136+78	Fire Hydrant	Rt	34.8	Curb and Gutter	W-19	Relocate FH	Prior
9 139+00	Fire Hydrant	Lt	38.4	Curb Ramp	W-20	Relocate FH	Prior
10 142+60	Water	Rt	33.8	18" pipe	W-4	Relocate Conduit	Prior
11 142+60	Fire Hydrant	Rt	34.2	Curb and Gutter	W-4	Relocate FH	Prior
12 150+21	Water	Rt	34.9 39.7	18" pipe	W-5	Protect in place	Prior
13 153+75	Water 14"	Rt	25.9	18" BMP Pipe	W-16	Conflict not Cleared	Prior
14 159+14	Water	Rt	53.3	18" pipe	W-23	Conflict not Cleared	Prior
15 159+64	Water	Rt	33.7	Drainage Pipe with water line	W-	Offset line w/45 degree bends	Prior
16 164+97	Water	Rt	31.8	18" pipe	W-7	Lower Pipe w/45 degree bend	Prior
17 168+82	Fire Hydrant	Rt	40.6	Curb and Gutter	W-8	Relocate FH	Prior
18 171+77	Water	Rt	32.3 & 50.8	Drainage Pipe with water lines	W-24	Conflict not Cleared	Prior
19 174+43	Water	Lt	33.7	Sand Trap	W-10	Lower Pipe w/45 degree bend	Prior
20 180+18 20	Fire Hydrant	Rt	42.8	Sidewalk	W-26	Relocate FH	Prior
21 180+20	Water	Rt	33.5	Drainage Pipe with FH feeder line	W-26	Shift and Lower Pipe w/45 degree bend	Prior
22 181+00	Water	Lt	29.6	Drainage Box with water line	W-25	Abandon and Relocate	Prior
23 181+01	Water	Lt	34.2	Sand Trap	W-25	Shift and Lower Pipe w/45 degree bend	Prior
24 184+00-184+15	Water	Rt	20.4	Double Box Culvert	W-28	Pending	Prior
25 185+08	Fire Hydrant	Rt	34.0	Driveway	W-21	Relocate FH	Prior
26 185+08	Water	Rt	30.0	18" pipe	W-21	Relocate Pipe	Prior
27 189+80	Fire Hydrant	Rt	33.3	Curb and Gutter	W-12	Relocate FH	Prior
28 192+33	Fire Hydrant	Rt	34.2	Curb and Gutter	W-13	Relocate FH	Prior
29 193+30	Water valve	Rt	33.0	Curb and Gutter	W-15	Conflict not Cleared	Prior
30 195+52	Fire Hydrant	Rt	36.9	Curb and Gutter	W-14	Relocate FH	Prior

Notes:

Pending-Last minute relocations due to design changes submitted to utility companies.

Conflict not cleared-No information was received back from utility companies.