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**MONITORING WELL INSTALLATION REPORT FOR
OLSON URBAN HOUSING, LLC**
Former Impulse Motors
1210 Bockman Road
San Lorenzo, CA

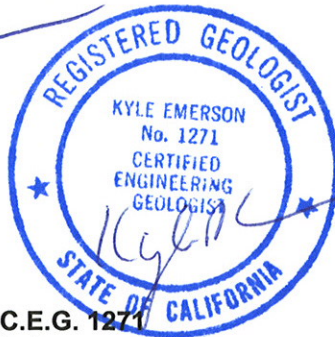
November 30, 2007
Project Number 040T.29215.69

Prepared by:


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Senior Vice President



November 30, 2007

Steven Plunkett
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Environmental Protection Division
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Olson Urban Housing, LLC
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San Ramon, California 94583

Mr. Nick Garcia
Olson Urban Housing, LLC
3130 Crow Canyon Place, Suite 210
San Ramon, California 94583

RE: MONITORING WELL INSTALLATION REPORT
1245 – 1415 Bockman Road
San Lorenzo, California (the "Site")

Dear Mr. Plunkett,

At the request and authorization of Olson Urban Housing, LLC (Olson), SECOR International Incorporated (SECOR) has prepared this report detailing the installation, development, and sampling of three groundwater monitoring wells and one temporary groundwater monitoring well at the above referenced Site. The completed assessment was conducted in general accordance with SECOR's *Workplan for Monitoring Well Installation*, dated October 2, 2007 and subsequent approval letter from the Alameda County Health Care Services Agency (ACHCSA), dated October 12, 2007. In addition, the work was completed in accordance with the terms contained in the Master Consulting Services Agreement (MCSA) with the Olson Company dated November 28, 2001. Notification and approval of proposed field activities was made to the ACHCSA, prior to the implementation of field work. The results of the completed work are summarized in the following Executive Summary, and described in greater detail in the attached report.

EXECUTIVE SUMMARY

Previous environmental assessment and remedial activities completed by SECOR and others (SECOR, 2004, 2006, 2007; ACC, 2004) at the Site, suggested that very limited soil and groundwater impact exists in the area immediately down-gradient of the former fuel dispenser islands after removal of impacted soil was completed in 2006. Therefore, the ACHCSA requested that an additional assessment be completed to confirm this assumption by characterizing the lateral extent of the impacted soil and groundwater down-gradient of the former fuel dispensers. The following report outlines the investigation.

Between November 7 and November 9, 2007, under the oversight of the ACHCSA, SECOR supervised the installation of three (3) groundwater monitoring wells and one (1) temporary groundwater well located down-gradient of the two former fuel dispensers. Soil samples were collected from the borings at five foot intervals from five feet below ground surface (bgs) to the total depth of each boring (20 feet bgs). Representative soil samples were analyzed for gasoline and diesel range hydrocarbons (TPHg and TPHd); Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX); fuel oxygenates; Dibromoethane (EDB), dichloroethane (EDC). Results received from the completed analyses are discussed below.

Groundwater monitoring wells were installed in locations MW-01, MW-02 and MW-03 according to the guidelines established by the Alameda County Public Works Agency. Locations selected and approved by the ACHCSA are indicated on Figure 2 attached. Boring logs attached provide a detailed description of the screened interval for each well. Due to interferences with utility line construction a permanent monitoring well could not be constructed at location MW-04 or anywhere in close proximity to that location. SECOR therefore installed a temporary well from which a groundwater sample was collected for analysis. Construction and sampling methods are discussed below for this well.

Laboratory results from each of the sampled wells are provided on the attached tables 1 through 4 and included in appendix B and discussed below:

MW-01

Soil samples collected from MW-01 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons. Acetone, ethylbenzene, toluene, and xylenes were detected at concentrations of 0.083, 0.002, 0.001, and 0.011 mg/kg, respectively. These concentrations fall well below the USEPA Preliminary Remediation Goals (PRGs) of residential soil for acetone, ethylbenzene, toluene, and xylenes which are set at 1600, 8.9, 5200, and 2700 mg/kg, respectively.

Groundwater collected from MW-01 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-02

Soil collected from MW-02 exhibited a gasoline range hydrocarbon concentration of 2.0 mg/kg. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, and n-Propylbenzene were detected in MW-02-20 at 0.015, 0.010, 0.004, and 0.016 mg/kg, respectively. These concentrations fall well below the USEPA PRGs of residential soil for n-Butylbenzene, sec-Butylbenzene, isopropylbenzene (Cumene), and n-Propylbenzene which are set at 240, 220, 520, and 240 mg/kg, respectively.

Groundwater collected from MW-02 exhibited a gasoline range hydrocarbon concentration of 0.71 µg/L. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, n-Propylbenzene, and Naphthalene were detected in MW-02 at 13, 10, 6.7, 21, and 0.8 µg/L, respectively. State and Federal Maximum Contaminant Levels have not been established for these constituents, but the detected concentrations are exceedingly low.

MW-03

Soil collected from MW-03 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as most VOCs. Toluene was exhibited concentrations of 0.002 and 0.001 mg/kg, respectively. The USEPA PRG for Toluene is set at 5200 mg/kg.

Groundwater collected from MW-03 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-04

Soil collected from MW-04 exhibited concentrations of gasoline range hydrocarbons of 6.1 and 2.9 mg/kg respectively. Additionally, concentrations of acetone (0.27-0.40 mg/kg), n-Butylbenzene (0.006-0.002 mg/kg), sec-Butylbenzene (0.011-0.003 mg/kg), 1,3,5 Trimethylbenzene (0.002-0.001 mg/kg), 1,2,4 Trimethylbenzene (0.003-0.002 mg/kg), isopropylbenzene (0.003-0.001 mg/kg), n-propylbenzene (0.005-0.002 mg/kg), ethylbenzene (0.041-0.026 mg/kg), Toluene (0.021-0.013 mg/kg), and Total Xylenes (0.18-0.116 mg/kg) were detected. These concentrations fall well below the US EPA PRGs of residential soils for acetone (1600 mg/kg), n-Butylbenzene (240 mg/kg), sec-Butylbenzene (220 mg/kg), 1,3,5 Trimethylbenzene (21 mg/kg), 1,2,4 Trimethylbenzene (52 mg/kg), isopropylbenzene (520 mg/kg), n-propylbenzene (240 mg/kg), ethylbenzene (8.9 mg/kg), Toluene (5200 mg/kg), and Total Xylenes (2700 mg/kg).

Groundwater collected from MW-04 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

Conclusion

The well locations selected essentially evaluated the limits of soil and groundwater impact associated with the detected and mitigated release from the former dispenser islands. Results of soil and groundwater sampling and analysis of samples collected from down-gradient of the former fuel dispensers were non-detect for contaminant concentrations or showed contaminant levels below regulatory screening levels. Given this information, SECOR's concludes that the remaining impacted soil and groundwater is localized to the area immediately down gradient of the former dispenser islands and currently beneath the proposed parking and driveway areas of the Site development currently under construction as indicated on figure 2. As a result, SECOR considers the limits of the impacted groundwater adequately assessed. Based on the extremely low extent of impact and the already-completed source removal along with the overlying land use (driveway and parking) SECOR concludes that conditions at the Site represent neither a recognized environmental condition nor a human health concern in light of the intended residential and commercial development of the Site. Consequently, SECOR recommends no further action or investigation regarding the Site.

CLOSURE

It has been a pleasure to provide environmental consulting services for you on this project and we look forward to working with you in the future. Should there be any questions regarding the information provided within the accompanying report, please do not hesitate to contact the undersigned at (909) 335-6116.

Respectfully submitted,

SECOR International Incorporated



Jason Adelaars
Staff Scientist

cc: Mr. Walt Caughlin, The Olson Company

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1.0 INTRODUCTION

This report documents the methodology and results of the installation and sampling of three (3) groundwater monitoring wells and one temporary groundwater monitoring well completed by SECOR International Incorporated (SECOR) at the former Impulse Motors, located at 1210 Bockman Road, San Lorenzo, California (the "Site")

The completed work was conducted in general accordance with SECOR's approved *Workplan for Monitoring Well Installation*, dated October 2, 2007 and in accordance with the terms provided in the Olson Company's Master Consulting Services Agreement dated November 28, 2001. The scope of work and the results of the investigation are described in subsequent sections. The following subsections provide the site description and a summary of past operations as well as a description of site geology.

Prior to initiation of remedial actions at the Site, notification was made to Mr. Steven Plunkett of Alameda County Health Care Services Agency (ACHCA) who is providing regulatory oversight. Mr. Plunkett visited the Site to observe installation activities at the Site on November 7, 2007.

1.1 SITE DESCRIPTION AND OPERATIONS

The Site is located on the south side of Bockman Road between Via Chiquita and Via Del Ray in San Lorenzo, California. The approximately three acres of property on the Site is addressed as 1210 through 1366 Bockman Road.

The Site is currently undergoing development with residential condominiums. The Site was formerly the location of the former Impulse Motors which provided automobile repair and fuel services. The facility has, subsequently been demolished in preparation of redevelopment of the Site for planned residential and commercial purposes.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is located in an area of recent alluvial fan deposits of Quaternary age. These deposits typically consist of tideland and floodplain deposits. Regionally, the Site and surrounding area is located northeast of the San Francisco Bay, the Santa Cruz Mountains, and the Pacific Ocean. The nearest active faults include the Hayward Fault and the San Andreas Fault (Peninsula) Zones, located approximately 2.5 miles northeast and 16 miles southwest, respectively, and the Calaveras Fault, located approximately 10 miles to the northeast.

The elevation of the Site is approximately 22 feet above mean sea level. The surface topography of the site has a minor slope toward the west-southwest at less than one percent. The surface runoff generally flows toward the San Francisco Bay, located approximately ½ mile southwest of the Site.

Based on the recent assessment reported herein, groundwater was encountered at a depths of approximately 7.5 to 10 feet below ground surface (bgs). The general groundwater flow direction is towards the west, in the direction of the San Francisco Bay. According to the EDR report, the Site is located within ¼ mile of a 500 year flood zone.

2.0 BACKGROUND INFORMATION

Several subsurface investigations and a remedial excavation have been completed at the Site by SECOR and others (SECOR, 2005a,b; ACC, 2004). A detailed summary of this historic work was provided in the May 18, 2007 Soil, Vapor, and Groundwater Investigation, prepared by SECOR. Relevant assessment data obtained from those investigations is discussed below.

On December 16-17, 2004, SECOR completed a Phase II ESA at the Site that included advancing eight (8) borings at select locations throughout the Site. The results of SECOR's Phase II investigation indicated that contamination was not significant in the vicinity of the former USTs located at 1210 Bockman Road (see Figure 2). However impact was present in the soil in the vicinity of the former dispenser islands.

Based on the results of the completed investigation, SECOR concluded that petroleum impact was limited to shallow soils in the vicinity of the former fuel dispenser islands. As a result, SECOR completed two separate excavations in the area of the two former dispenser islands. The excavations resulted in the removal of approximately 500 cubic yards of impacted and non-impacted soil in the vicinity of the former fuel dispenser islands. The excavation verification samples collected from the sidewalls of both of the excavations indicated all detected impact was removed to the depth of the groundwater table, which was encountered at a depth of approximately 10 feet. Due to the presence of groundwater, further excavation was not possible to depths greater than 10 feet.

Soil samples collected from the base of the excavation at the groundwater surface indicated low concentrations of impact in soil, at concentrations below regulatory thresholds. As a result of the detections, it was requested by the ACHCS that groundwater samples be collected to determine if the impact had affected groundwater and the lateral dimensions of that impact.

In April of 2007, SECOR continued the assessment of soil and groundwater impact associated with the former USTs and dispenser islands. That assessment identified no impacts to groundwater directly down gradient from the former USTs. The assessment did, however, detect impact to groundwater down gradient from the former dispenser islands. The assessment did not define the limits of impact to groundwater from the dispenser islands, although the limits appeared to be very localized (less than 50 feet from the dispenser islands). Based on the lack of definition of the groundwater impact, the ACHCS has requested that additional groundwater assessment be completed to evaluate the limits of impact, prior to granting regulatory closure for the Site.

The additional assessment requested by the ACHCSA was conducted in general accordance with SECOR's *Workplan for Monitoring Well Installation*, dated October 2, 2007. This work plan was approved by ACHCSA on October 12, 2007. The following text described the completed assessment.

3.0 FIELD INVESTIGATION PROGRAM

3.1 SCOPE-OF-WORK

The scope of work consisted of the following general elements:

- Obtaining monitoring well installation permits from the Alameda County Public Works Agency;
- Preparation of a Site specific health and safety plan;
- Notification of underground service alert (USA);
- Use of a D-32 Hollow Stem Drilling Rig.
 - Installation of 3 groundwater monitoring wells.
 - Installation & removal of 1 temporary groundwater monitoring well.

- Collection of soil and groundwater samples from the boring locations in accordance with the sampling plan required by the ACHCSA for potential chemical analysis;
- Analysis of collected soil samples at a State of California Laboratory for the presence of diesel and gasoline range organics (TPHg and TPHd, respectively) following modified EPA test method 8015B; benzene, toluene, ethylbenzene and total xylenes (collectively BTEX) and the fuel oxygenates following EPA test method 8260B;
- Preparation and submittal of this report documenting the findings and results of the investigation.

3.2 SOIL SAMPLING

Each of the boring locations, identified as MW-01 through MW-04, were advanced using the direct push attachment on the D-32 hollow stem drill rig. During advancement of each, soil was collected starting at the surface using a 48-inch long by 2-inch inner diameter stainless steel sampler. At each sampling interval, the sampler was driven into undisturbed soil using a hydraulic ram on the hollow stem rig until 48 inches of penetration is achieved. Upon advancement of the sampler to the full 48-inch length, the steel rods were extracted from the boring and the plastic sampler sleeve is removed. The drilling and sampling sequence is then repeated at various intervals for the entire depth of each boring.

Upon extracting the sampler at each depth interval, the soils contained therein were visually examined by SECOR field personnel who classified the soils in accordance with the unified soil classification system (USCS). A photo-ionization detector (PID) was used to monitor the soils collected for volatile organic compound (VOC) vapors. Soil was removed from the plastic sampler and placed in a zip-lock type baggie and the PID probe was inserted into the baggie to monitor the headspace for VOC vapors.

After classification and VOC vapor evaluation, the soil samples from the larger sampling sleeve were cut into smaller plastic tubes. After the tubes were sealed, they were labeled with the appropriate identification information (boring number, sample depth, sample collection date, and sample collection time). The samples were logged on a chain-of-custody form and placed in an ice-filled cooler for transport to the laboratory.

Each borehole was abandoned by extending a tremmie pipe to the bottom of each borehole and pumping grout through. The boreholes were filled with grout up to ground surface.

3.3 WELL INSTALLATION

Adjacent to the direct push boreholes MW-01, MW-02, and MW-03 used for soil sampling, SECOR advanced a 10-inch diameter borehole to depths of approximately 6 feet below static groundwater and completed as groundwater monitoring wells. During the soil investigation, static groundwater depths ranged from approximately 7.5 to 10 feet bgs. Well materials consisted of 0.010 slot, four-inch-diameter polyvinyl chloride (PVC) well screen installed from approximately 5 feet below and 2 feet above the static groundwater depth and blank PVC casing installed to within 2-feet of the surface grade. Monterey sand (#3) filter pack was placed in the annular space of the boring to approximately 0.5-foot above the well screen level followed by 0.5-feet of hydrated bentonite chips. Cement grout was placed in the remainder of the annular space to within 3-feet of the surface grade. Due to future surface grading activities, the wells were installed 2-feet below ground surface to avoid damage. A metallic well box, gravel, and soil was placed over the well casing and compacted to protect the well casing and minimize movement. The locations of the wells were surveyed prior to completion of field activities.

The location of proposed monitoring well MW-04 was in conflict with future trenching and utilities installation. As a result, a temporary well was installed following the same procedures as presented above. The difference was at this location the well was immediately purged, sampled, and removed prior to completion of field activities. Following installation approximately 25 gallons of groundwater was purged from MW-04 at which point the well went dry. Once the well had recharged, groundwater was collected in glass sampling containers and labeled with proper identification. The well casing was then removed and the borehole was backfilled with cement grout. The well locations are shown on Figures 2, and well construction details are shown on boring logs included in Appendix B.

3.4 WELL DEVELOPMENT AND GROUNDWATER SAMPLING

Following the installation of wells MW-01, MW-02, and MW-03 a 48-hours expired prior to well developed and groundwater sampling. The groundwater wells were gauged for static water levels prior to purging and sampling. Water within the well casing was surged with a two-inch-diameter PVC surge block, and water within the casing removed with a bailer, to develop the well. Approximately 30-35 gallons of water was removed from each well in order to obtain a discrete groundwater sample from the groundwater surface after recharge had occurred with a dedicated bailer. Well Field Data Sheets for each monitoring well are provided in Appendix A.

4.0 LABORATORY TESTING PROGRAM

Eight (8) soil samples and four (4) groundwater samples collected from borings MW-01 through MW-04 were delivered under chain-of-custody (Appendix A) to Centrum Analytical Laboratories, Inc. (Centrum) located in Riverside, California. Centrum is certified to perform hazardous waste testing by the State of California Department of Health Services, Environmental Laboratory Accreditation Program.

Selected soil and groundwater samples were analyzed for gasoline and diesel range petroleum hydrocarbons by modified EPA Test method 8015b; and BTEX and fuel oxygenates (BTEX, EDB, EDC, MtBE, TAME, ETBE, DIPE, and TBA) by EPA Test method 8260B. Analytical results are tabulated on Tables 1-4. Analytical laboratory test results are included in Appendix B and discussed in Section 5.0.

5.0 INVESTIGATION RESULTS

5.1 FIELD OBSERVATIONS

Soils encountered during the remedial effort consisted of clay and silty clay mixtures to the maximum explored depth of approximately 20 feet bgs. Groundwater was encountered at depths ranging from 17-18 feet bgs. Static groundwater level was measured from 5.5 to 8.3 feet bgs.

In general, native soils had a dark black color and petroleum impacted soils were stained dark greenish gray in color. Measurements of VOCs utilizing a PID calibrated to 100 ppmV Isobutylene reported VOC concentrations ranging from <1 to 22.3 ppmV.

5.2 ANALYTICAL RESULTS

The laboratory test results are discussed below. Laboratory test results for primary COPCs are summarized in attached Tables 1 through 4 and the complete laboratory analytical test results are presented on the laboratory data sheets attached as Appendix A.

MW-01

Soil samples collected from depths of 18 and 20 feet bgs exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons. Acetone, ethylbenzene, and xylenes were detected in the 20 foot sample at concentrations of 0.083, 0.002, and 0.011 mg/kg, respectively. Toluene was detected in the 18 foot sample at a concentration of 0.001 mg/kg.

Groundwater collected from MW-01 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-02

Soil collected from a depth of 17 feet in MW-02 exhibited non-detectable concentrations of diesel and gasoline range hydrocarbons, as well as all VOCs. Soil collected from a depth of 20-feet in MW-02 exhibited a gasoline range hydrocarbon concentration of 2.0 mg/kg. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, and n-Propylbenzene were detected in MW-02-20 at 0.015, 0.010, 0.004, and 0.016 mg/kg, respectively.

Groundwater collected from MW-02 exhibited a gasoline range hydrocarbon concentration of 0.71 µg/L. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, n-Propylbenzene, and Naphthalene were detected in MW-02 at 13, 10, 6.7, 21, and 0.8 µg/L, respectively.

MW-03

Soil collected from depths of 13 and 20 feet bgs exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as most VOCs. Toluene was exhibited in the 13 and 20 foot samples at concentrations of 0.002 and 0.001 mg/kg, respectively.

Groundwater collected from MW-03 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-04

Soil collected depths of 13 and 20 feet bgs exhibited concentrations of gasoline range hydrocarbons of 6.1 and 2.9 mg/kg respectively. Additionally, concentrations of acetone (0.27-0.40 mg/kg), n-Butylbenzene (0.006-0.002 mg/kg), sec-Butylbenzene (0.011-0.003 mg/kg), 1,3,5

Trimethylbenzene (0.002-0.001 mg/kg), 1,2,4 Trimethylbenzene (0.003-0.002 mg/kg), isopropylbenzene (0.003-0.001 mg/kg), n-propylbenzene (0.005-0.002 mg/kg), ethylbenzene (0.041-0.026 mg/kg), Toluene (0.021-0.013 mg/kg), and Total Xylenes (0.18-0.116 mg/kg) were detected.

Groundwater collected from MW-04 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Previous environmental assessment and remedial activities completed by SECOR and others (SECOR, 2004, 2006, 2007; ACC, 2004) at the Site, suggested that very limited soil and groundwater impact exists in the area immediately down-gradient of the former fuel dispenser islands after removal of impacted soil was completed in 2006. Therefore, the ACHCSA requested that an additional assessment be completed to confirm this assumption by characterizing the lateral extent of the impacted soil and groundwater down-gradient of the former fuel dispensers. The following report outlines the investigation.

Between November 7 and November 9, 2007, under the oversight of the ACHCSA, SECOR supervised the installation of three (3) groundwater monitoring wells and one (1) temporary groundwater well located down-gradient of the two former fuel dispensers. Soil samples were collected from the borings at five foot intervals from five feet below ground surface (bgs) to the total depth of each boring (20 feet bgs). Representative soil samples were analyzed for gasoline and diesel range hydrocarbons (TPHg and TPHd); Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX); fuel oxygenates; Dibromoethane (EDB), dichloroethane (EDC). Results received from the completed analyses are discussed below.

Groundwater monitoring wells were installed in locations MW-01, MW-02 and MW-03 according to the guidelines established by the Alameda County Public Works Agency. Locations selected and approved by the ACHCSA are indicated on Figure 2 attached. Boring logs attached provide a detailed description of the screened interval for each well. Due to interferences with utility line construction a permanent monitoring well could not be constructed at location MW-04 or anywhere in close proximity to that location. SECOR therefore installed a temporary well from which a groundwater sample was collected for analysis. Construction and sampling methods are discussed below for this well.

Laboratory results from each of the sampled wells are provided on the attached tables 1 through 4 and included in appendix B and discussed below:

MW-01

Soil samples collected from MW-01 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons. Acetone, ethylbenzene, toluene, and xylenes were detected at concentrations of 0.083, 0.002, 0.001, and 0.011 mg/kg, respectively. These concentrations fall well below the USEPA Preliminary Remediation Goals (PRGs) of residential soil for acetone, ethylbenzene, toluene, and xylenes which are set at 1600, 8.9, 5200, and 2700 mg/kg, respectively.

Groundwater collected from MW-01 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-02

Soil collected from MW-02 exhibited a gasoline range hydrocarbon concentration of 2.0 mg/kg. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, and n-Propylbenzene were detected in MW-02-20 at 0.015, 0.010, 0.004, and 0.016 mg/kg, respectively. These concentrations fall well below the USEPA PRGs of residential soil for n-Butylbenzene, sec-Butylbenzene, isopropylbenzene (Cumene), and n-Propylbenzene which are set at 240, 220, 520, and 240 mg/kg, respectively.

Groundwater collected from MW-02 exhibited a gasoline range hydrocarbon concentration of 0.71 µg/L. Additionally, concentrations of n-Butylbenzene, sec-Butylbenzene, Isopropylbenzene, n-Propylbenzene, and Naphthalene were detected in MW-02 at 13, 10, 6.7, 21, and 0.8 µg/L, respectively. State and Federal Maximum Contaminant Levels have not been established for these constituents, but the detected concentrations are exceedingly low.

MW-03

Soil collected from MW-03 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as most VOCs. Toluene was exhibited concentrations of 0.002 and 0.001 mg/kg, respectively. The USEPA PRG for Toluene is set at 5200 mg/kg.

Groundwater collected from MW-03 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

MW-04

Soil collected from MW-04 exhibited concentrations of gasoline range hydrocarbons of 6.1 and 2.9 mg/kg respectively. Additionally, concentrations of acetone (0.27-0.40 mg/kg), n-Butylbenzene (0.006-0.002 mg/kg), sec-Butylbenzene (0.011-0.003 mg/kg), 1,3,5 Trimethylbenzene (0.002-0.001 mg/kg), 1,2,4 Trimethylbenzene (0.003-0.002 mg/kg), isopropylbenzene (0.003-0.001 mg/kg), n-propylbenzene (0.005-0.002 mg/kg), ethylbenzene (0.041-0.026 mg/kg), Toluene (0.021-0.013 mg/kg), and Total Xylenes (0.18-0.116 mg/kg) were detected. These concentrations fall well below the US EPA PRGs of residential soils for acetone (1600 mg/kg), n-Butylbenzene (240 mg/kg), sec-Butylbenzene (220 mg/kg), 1,3,5 Trimethylbenzene (21 mg/kg), 1,2,4 Trimethylbenzene (52 mg/kg), isopropylbenzene (520 mg/kg), n-propylbenzene (240 mg/kg), ethylbenzene (8.9 mg/kg), Toluene (5200 mg/kg), and Total Xylenes (2700 mg/kg).

Groundwater collected from MW-04 exhibited non-detectable concentrations of gasoline and diesel range hydrocarbons, as well as all VOCs.

Conclusion

The well locations selected essentially evaluated the limits of soil and groundwater impact associated with the detected and mitigated release from the former dispenser islands. Results of soil and groundwater sampling and analysis of samples collected from down-gradient of the former fuel dispensers were non-detect for contaminant concentrations or showed contaminant levels below regulatory screening levels. Given this information, SECOR's concludes that the remaining impacted soil and groundwater is localized to the area immediately down gradient of the former dispenser islands and currently beneath the proposed parking and driveway areas of the Site development currently under construction as indicated on figure 2. As a result, SECOR considers the limits of the impacted groundwater adequately assessed. Based on the extremely low extent of impact and the already-completed source removal along with the overlying land use (driveway and parking) SECOR concludes that conditions at the Site represent neither a recognized environmental condition nor a human health concern in light of the intended residential and commercial development of the Site. Consequently, SECOR recommends no further action or investigation regarding the Site.

7.0 CLOSURE

The conclusions presented in this report are professional opinions based on data described in this report. The opinions of this report have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations. SECOR makes no other warranty, either expressed or implied, concerning the conclusions and professional advice that is contained within the body of this report.

Inherent in most projects performed in a heterogeneous subsurface environment, continuing excavation and assessments may reveal findings that are different than those presented herein. This facet of the environmental profession should be considered when formulating professional opinions on the limited data collected on these projects.

This report has been issued with the clear understanding that it is the responsibility of the owner, or their representative, to make appropriate notifications to regulatory agencies. It is specifically not the responsibility of SECOR to conduct appropriate notifications as specified by current County and State regulations.

The information presented in this report is valid as of the date our exploration was performed. Site conditions may degrade with time; consequently, the findings presented herein are subject to change.

Notwithstanding the foregoing, this report was prepared in accordance with SECOR's Master Services Agreement with this Client, and to the extent any provisions of the report conflicts with the Master Services Agreement, the Master Services Agreement shall control.

8.0 REFERENCES

SECOR, 2007, *Workplan for Monitoring Well Installation, Former Impulse Motors, 1210 Bockman Road, San Lorenzo, California*, October 2

Alameda County Health Care Services, 2007, *Technical Comments, Fuel Leak Case No. RO0002737 (Global ID #T06019771179), Impulse Motors, 1210 Bockman Road, San Lorenzo, CA*, October 12

TABLES

Table 1

*Summary of Soil Analytical Results
TPH by modified EPA 8015B (mg/Kg)
Olson - San Lorenzo
1210 Bockman Road
San Lorenzo, California
SECOR Job No.: 04OT.29215.69*

Sample ID	Sampling Depth ⁽¹⁾	Sampling Date	TPH ⁽²⁾ (8015) ⁽³⁾	
			C4-C12 ⁽⁴⁾	C12-C22 ⁽⁵⁾
RWQCB MCL (mg/Kg)			100 ^a	100 ^a
MW-01-18	18	11/7/2007	<0.5	<10
MW-01-20	20	11/7/2007	<0.5	<10
MW-02-17	17	11/7/2007	<0.5	<10
MW-02-20	20	11/7/2007	2.0	<10
MW-03-13	13	11/7/2007	<0.5	<10
MW-03-20	20	11/7/2007	<0.5	<10
MW-04-13	13	11/7/2007	6.1	<10
MW-04-20	20	11/7/2007	2.9	<10

NOTES:

(1) Sample depth is reported as feet below ground surface

(2) Concentrations reported in mg/Kg

(3) EPA Test Method

(4) Characteristic carbon chain of Gasoline

(5) Characteristic carbon chain of Diesel

a - Maximum Soil Screening Levels in mg/Kg; soil located <20 feet above groundwater;

Source: Cal/EPA CRWQCB-LA Interim Site Assessment & Cleanup Guidebook, 1996.

< - Indicates the concentration was not detected above the laboratory method detection limit.

Only samples analyzed which reported detections were included on the table.

ABBREVIATIONS:

TPH - Total petroleum hydrocarbons

RWQCB MCL - Regional Water Quality Control Board Maximum Contaminant Level

Table 2
 Summary of Soil Analytical Results
 VOCs by EPA 8260B (mg/Kg)
 Olson - San Lorenzo
 1210 Bockman Road
 San Lorenzo, California
 SECOR Job No.: 04OT.29215.69

Sample ID	Sampling Depth (1)	Sampling Date	VOCs (2) (8260)(3)																	
			Acetone	n-Butylbenzene	sec-butylbenzene	Methyl-tert butyl ether (MtBE)	tert-Amyl Methyl Ether (TAME)	Diisopropyl Ether (DIPE)	Ethyl tert-Butyl Ether (EtBE)	tert-Butanol (TBA)	Benzene	Dibromoethane (EDB)	1,3,5 Trimethyl benzene	1,2,4 Trimethyl benzene	Dichloroethane (EDC)	Isopropyl benzene	n-Propylbenzene	Ethylbenzene	Toluene	Total Xylenes
USEPA PRG for Residential Samples			1600	240	220	62	NR	NR	NR	NR	0.6	0.007	21	52	120	NR	240	8.9	5200	2700
MW-01-18	18	11/7/2007	<0.050	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	0.001	<0.003
MW-01-20	20	11/7/2007	0.083	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	0.002	<0.001	0.011
MW-02-17	17	11/7/2007	<0.050	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.001	<0.003
MW-02-20	20	11/7/2007	<0.050	0.015	0.010	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	0.004	0.016	<0.005	<0.001	<0.003
MW-03-13	13	11/7/2007	<0.050	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	0.002	<0.003
MW-03-20	20	11/7/2007	<0.050	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	0.001	<0.003
MW-04-13	13	11/7/2007	0.27	0.006	0.011	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	0.002	0.003	<0.01	0.003	0.005	0.041	0.021	0.18
MW-04-20	20	11/7/2007	0.40	0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.02	<0.005	<0.001	0.001	0.002	<0.01	0.001	0.002	0.026	0.013	0.116

NOTES:

- (1) Sample depth is reported as feet below ground surface
- (2) Concentrations reported in mg/Kg
- (3) EPA Test Method
- < - Indicates the concentration was not detected above the laboratory method detection limit.

ABBREVIATIONS:

- VOCs - volatile organic compounds
- USEPA PRG - United States Environmental Protection Agency Preliminary Remediation Goals
- NR - Not Reported

Table 3

*Summary of Groundwater Analytical Results
TPH by modified EPA 8015B ($\mu\text{g/L}$)
Olson - San Lorenzo
1210 Bockman Road
San Lorenzo, California
SECOR Job No.: 04OT.29215.68*

Sample ID	Sampling Date	TPH ⁽²⁾ (8015) ⁽³⁾	
		C4-C12 ⁽⁴⁾	C12-C22 ⁽⁵⁾
MW-01-W	11/9/2007	<0.5	<0.4
MW-02-W	11/9/2007	0.71	<0.4
MW-03-W	11/9/2007	<0.5	<0.4
MW-04-W	11/7/2007	<0.5	<0.4

NOTES:

- (1) Sample depth is reported as feet below ground surface
 - (2) Concentrations reported in $\mu\text{g/L}$
 - (3) EPA Test Method
 - (4) Characteristic carbon chain of Gasoline
 - (5) Characteristic carbon chain of Diesel
- < - Indicates the concentration was not detected above the laboratory method detection limit.

ABBREVIATIONS:

TPH - Total Petroleum Hydrocarbons

Table 4

Summary of Groundwater Analytical Results
 VOCs by EPA 8260B ($\mu\text{g/L}$)
 Olson - San Lorenzo
 1210 Bockman Road
 San Lorenzo, California
 SECOR Job No.: 04OT.29215.68

Sample ID	Sampling Date	VOCs ⁽²⁾ (8260) ⁽³⁾															
		Methyl-tert-butyl ether (MtBE)	tert-Amyl Methyl Ether (TAME)	Diiisopropyl Ether (DIPE)	Ethyl tert-Butyl Ether (EtBE)	tert-Butanol (TBA)	Benzene	1,2 Dibromoethane (EDB)	1,2 Dichloroethane (EDC)	Ethylbenzene	Toluene	Total Xylenes	n-Butylbenzene	sec-Butylbenzene	n-Propylbenzene	Isopropylbenzene	Napthalene
CA MCLs ($\mu\text{g/L}$)		13	NR	NR	NR	NR	1	NR	0.5	300	150	1750	NR	NR	NR	NR	NR
Federal MCLs ($\mu\text{g/L}$)		NR	NR	NR	NR	NR	5	NR	5	700	1000	10000	NR	NR	NR	NR	NR
Samples																	
MW-01-W	11/9/2007	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5
MW-02-W	11/9/2007	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	13	10	21	6.7	0.8
MW-03-W	11/9/2007	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5
MW-04-W	11/7/2007	<1.0	<1.0	<1.0	<1.0	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5

NOTES:

(1) Sample depth is reported as feet below ground surface

(2) Concentrations reported in $\mu\text{g/L}$

(3) EPA Test Method

< - Indicates the concentration was not detected above the laboratory method detection limit.

ABBREVIATIONS:

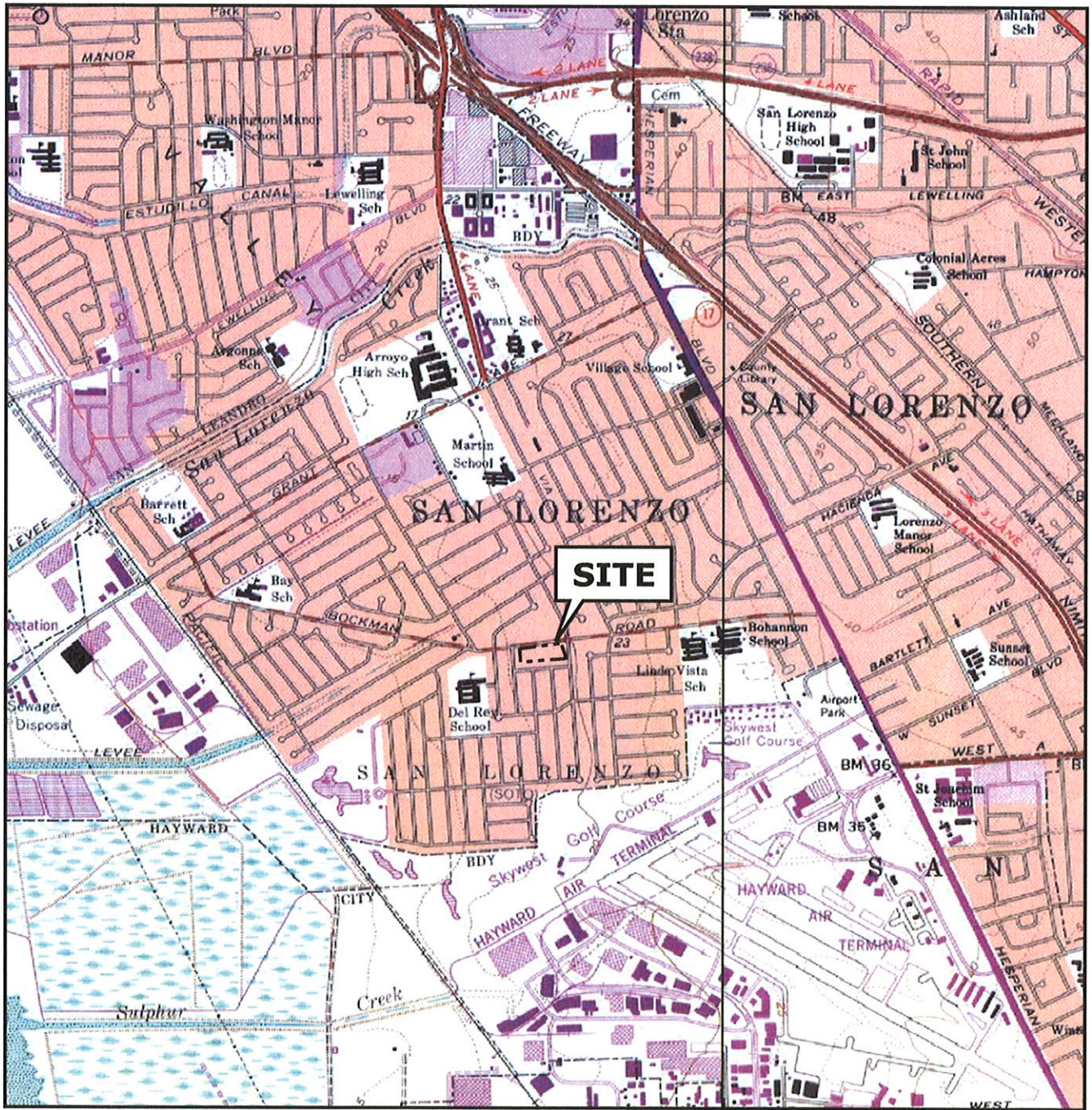
VOCs - Volatile Organic Compounds

CA MCLs - Maximum Contaminant Levels established by the State of California

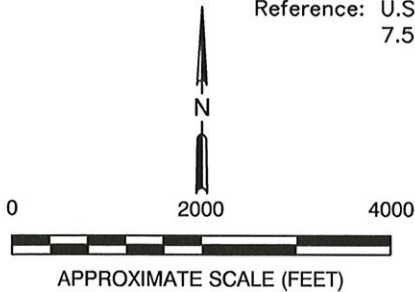
Federal MCLs - Maximum Contaminant Levels established by the Federal Environmental Protection Agency

NR - Not Reported


FIGURES

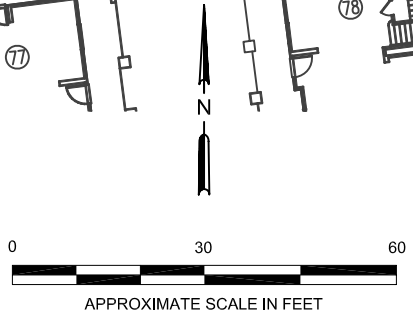
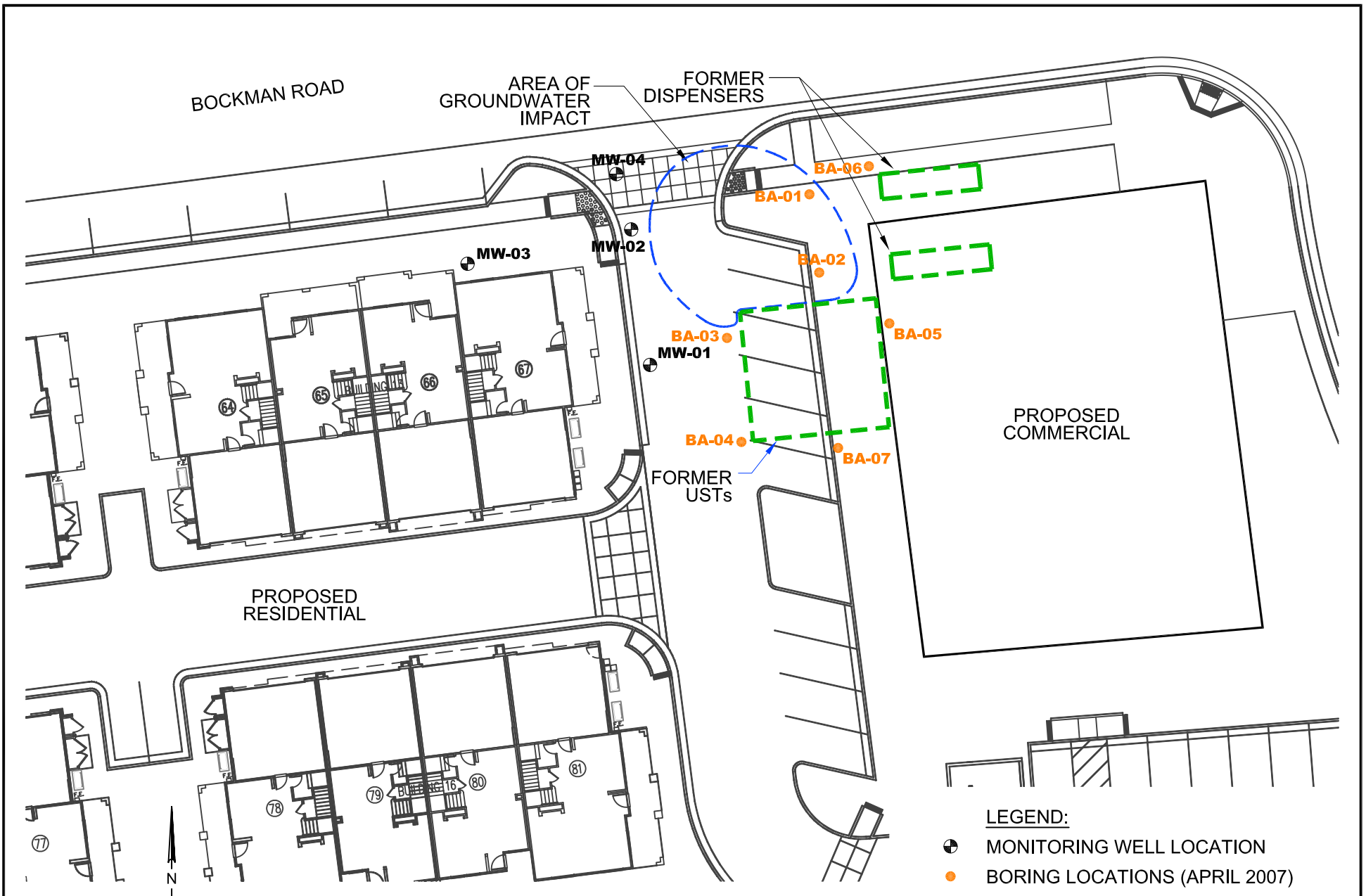


Reference: U.S.G.S., 1959, San Leandro Quadrangle California – Alameda County, 7.5' Series (Topographic). Photorevised 1980.



QUADRANGLE LOCATION

 SECOR 25864-F BUSINESS CENTER DRIVE REDLANDS, CALIFORNIA 92374 PH: (909) 335-6116 / FAX: (909) 335-6120	PREPARED FOR: THE OLSON COMPANY		FIGURE: 1	
	1210-1366 BOCKMAN ROAD SAN LORENZO, CALIFORNIA		SITE LOCATION MAP	
JOB NUMBER: 04OT.29215.62	DRAWN BY: JMH	CHECKED BY: JH	APPROVED BY: JH	DATE: 12/2004



SECOR
25864-F BUSINESS CENTER DRIVE
REDLANDS, CA 92374
PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR:
VILLAGE WALK
1210 BOCKMAN ROAD
SAN LORENZO, CA

JOB NUMBER:
04OT.29215.69

DRAWN BY:
GH

SITE PLAN WITH
PROPOSED WELL LOCATIONS

CHECKED BY:
JA

APPROVED BY:

FIGURE:
2

DATE:
11/01/07

APPENDIX A
BORING LOGS & WELL FIELD DATA SHEETS

PROJECT: **Olson - San Lorenzo**
 LOCATION: **1210 Bockman Road, San Lorenzo, CA**
 PROJECT NUMBER: **04OT.29215.69**

WELL / PROBEHOLE / BOREHOLE NO:

MW-01 PAGE 1 OF 1







DRILLING: STARTED **11/7/07** COMPLETED: **11/7/07**
 INSTALLATION: STARTED **11/7/07** COMPLETED: **11/7/07**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **D-32**
 DRILLING METHOD: **Hollow Stem Auger/Direct Push**
 SAMPLING EQUIPMENT: **Continuous Core**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft):
 INITIAL DTW (ft): **18 11/7/07**
 STATIC DTW (ft): **7.5 11/7/07**
 WELL CASING DIAMETER (in): **4**
 LOGGED BY: **Jason Adelaars**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **20.0**
 WELL DEPTH (ft): **13.0**
 BOREHOLE DIAMETER (in): **10**
 CHECKED BY:


Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
										Native Soil
										Gravel
										Grout
										Chips
5		CL	CLAY ; CL; 2.5Y 2.5/1 black; medium to high plasticity; hard; slightly moist; no odor							
			...same as above ; 5Y 4/1 dark gray; silty; medium plasticity; firm to hard; moist; no odor		0810 MW-01-7			0.6		
10			...same as above ; 2.5Y 4/3 olive brown; silty; medium plasticity; firm to hard; moist			20	--			
			...same as above ; soft; very moist							
15			...same as above ; 5Y 4/3 olive; medium to high plasticity; firm to hard		0830 MW-01-18			0.0		
			...same as above ; soft; wet		0820 MW-01-20			0.0		
20			Groundwater Encountered @ 18' BGS Geoprobe Borehole Depth - 20' BGS - Backfilled With Cement Grout. Monitoring Well Installed Adjacent To Geoprobe Borehole. Hole terminated at 20 feet.							
25										


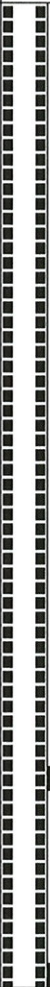
GEO FORM 304 OLSON-SAN LORENZO.GPJ SECOR.INTL.GDT 11/27/07

PROJECT: Olson - San Lorenzo LOCATION: 1210 Bockman Road, San Lorenzo, CA PROJECT NUMBER: 04OT.29215.69		WELL / PROBEHOLE / BOREHOLE NO: MW-02 PAGE 1 OF 1		
DRILLING: STARTED 11/7/07 COMPLETED: 11/7/07	INSTALLATION: STARTED 11/7/07 COMPLETED: 11/7/07	NORTHING (ft):	EASTING (ft):	
DRILLING COMPANY: Gregg Drilling	DRILLING EQUIPMENT: D-32	LATITUDE:	LONGITUDE:	
DRILLING METHOD: Hollow Stem Auger/Direct Push	SAMPLING EQUIPMENT: Continuous Core	GROUND ELEV (ft):	TOC ELEV (ft):	
		INITIAL DTW (ft): 18 11/7/07	BOREHOLE DEPTH (ft): 20.0	
		STATIC DTW (ft): 7.5 11/7/07	WELL DEPTH (ft): 13.0	
		WELL CASING DIAMETER (in): 4	BOREHOLE DIAMETER (in): 10	
		LOGGED BY: Jason Adelaars	CHECKED BY:	

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
		CL	CLAY ; CL; 2.5Y 4/2 dark grayish brown; trace sand; hard; high plasticity; slightly moist; no odor		0850 MW-02-8				5	Native Soil
			...same as above ; 2.5Y 5/3 olive brown; silty; firm to hard; medium plasticity; slightly moist; no odor						0.1	Gravel
			...same as above ; GLEY 4/10Y dark greenish gray; firm to hard; high to medium plasticity; no odor; moist			20	--		10	Grout
			...same as above ; 2.5Y 5/3 light olive brown; firm to hrad; medium plasticity; moist; no odor							Chips
			...same as above ; 5Y 4/2 olive gray; wet; slight hydrocarbon odor		0900 MW-02-17				20	Sand
			Groundwater Encountered @ 18' BGS Geoprobe Borehole Depth - 20' BGS - Backfilled With Cement Grout. Monitoring Well Installed Adjacent To Geoprobe Borehole. Hole terminated at 20 feet.					22.8		

GEO FORM 304 OLSON-SAN LORENZO.GPJ SECOR INTL.GDT 11/27/07

PROJECT: Olson - San Lorenzo LOCATION: 1210 Bockman Road, San Lorenzo, CA PROJECT NUMBER: 040T.29215.69	WELL / PROBEHOLE / BOREHOLE NO: MW-03 PAGE 1 OF 1	 SECOR
DRILLING: STARTED 11/7/07 COMPLETED: 11/7/07 INSTALLATION: STARTED 11/7/07 COMPLETED: 11/7/07 DRILLING COMPANY: Gregg Drilling DRILLING EQUIPMENT: D-32 DRILLING METHOD: Hollow Stem Auger/Direct Push SAMPLING EQUIPMENT: Continuous Core	NORTHING (ft): LATITUDE: GROUND ELEV (ft): INITIAL DTW (ft): 17 11/7/07 STATIC DTW (ft): 10 11/7/07 WELL CASING DIAMETER (in): 4 LOGGED BY: Jason Adelaars	EASTING (ft): LONGITUDE: TOC ELEV (ft): BOREHOLE DEPTH (ft): 20.0 WELL DEPTH (ft): 16.0 BOREHOLE DIAMETER (in): 10 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
0		CL	CLAY ; CL; 2.5Y 2.5/1 black; trace gravel and sand; hard to very hard; high plasticity; slightly moist; no odor						0	Native Soil
5			...same as above ; 2.5Y 4/4 olive brown; trace sand; firm; medium plasticity; slightly moist; no odor						5	Grout
10			...same as above ; 2.5Y 4/3 olive brown; silty; firm; moist; no odor			20	--		10	Chips
15			...same as above ; very moist		1115 MW-03-16			0.0	15	Sand
20			...same as above ; wet		1110 MW-03-20			0.0	20	
25			Groundwater Encountered @ 17' BGS Geoprobe Borehole Depth - 20' BGS - Backfilled With Cement Grout. Monitoring Well Installed Adjacent To Geoprobe Borehole. Hole terminated at 20 feet.							

GEO FORM 304 OLSON-SAN LORENZO.GPJ SECOR INTL.GDT 11/27/07

PROJECT: **Olson - San Lorenzo**
 LOCATION: **1210 Bockman Road, San Lorenzo, CA**
 PROJECT NUMBER: **04OT.29215.69**

DRILLING: STARTED **11/7/07** COMPLETED: **11/7/07**
 INSTALLATION: STARTED **11/7/07** COMPLETED: **11/7/07**
 DRILLING COMPANY: **Gregg Drilling**
 DRILLING EQUIPMENT: **D-32**
 DRILLING METHOD: **Hollow Stem Auger/Direct Push**
 SAMPLING EQUIPMENT: **Continuous Core**

WELL / PROBEHOLE / BOREHOLE NO: **MW-04** PAGE 1 OF 1

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): TOC ELEV (ft):
 INITIAL DTW (ft): **17 11/7/07** BOREHOLE DEPTH (ft): **20.0**
 STATIC DTW (ft): **8 11/7/07** WELL DEPTH (ft): **13.0**
 WELL CASING DIAMETER (in): **4** BOREHOLE DIAMETER (in): **10**
 LOGGED BY: **Jason Adelaars** CHECKED BY:



Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
0										Soil
5		CL	CLAY ; CL; 2.5Y 4/3 dark grayish brown; trace sand; hard; high plasticity; slightly moist; no odor							
10			...same as above ; 2.5Y 4/3 olive brown; firm; medium plasticity; moist; no odor			20	--			Well Abandoned - Backfilled With Cement Grout
15			...same as above ; GLEY1 5/10Y greenish gray; silty; medium plasticity; firm; slightly moist; no odor		1315 MW-04-13			0.2		
20			...same as above ; 5Y 4/3 olive; firm to hard; medium plasticity; moist to wet							
20			...same as above ; hard to very hard; medium plasticity; moist to wet							
20			...same as above		1300 MW-04-20			3.7		
25			Groundwater Encountered @ 17' BGS Geoprobe Borehole Depth - 20' BGS - Backfilled With Cement Grout - Temporary Monitoring Well Installed, Purged Dry, Sampled, And Abandoned With Cement Grout. Hole terminated at 20 feet.							

GEO FORM 304 OLSON-SAN LORENZO.GPJ SECOR INTL.GDT 11/27/07

APPENDIX B
LABORATORY DATA SHEETS AND QA/QC RESULTS



**Centrum
Analytical
Laboratories, Inc.**

CERTIFIED HAZARDOUS WASTE TESTING MOBILE & IN HOUSE LABORATORIES

Client: SECOR
25864-F Business Center Drive
Redlands, CA 92374-4515

Date Sampled: 11/07/07
Date Received: 11/08/07
Job Number: 30426

Project: Olson - San Lorenzo

CASE NARRATIVE

The following information applies to samples which were received on 11/08/07:

The samples were received at the laboratory chilled and sample containers were intact.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested. The date of issue for this report is 11/09/07.

Report approved by:

Robert R. Clark, PhD
President

ELAP Lab# 2419, 2479, 2527, 2373, 2562

RL: Reporting Limit -- The lowest level at which the compound can be reliably detected under normal laboratory conditions.
ND: Not Detected -- The compound was analyzed for, but was not found to be present at or above the Reporting Limit.
NA: Not Analyzed -- This compound was not on the list of compounds requested for analysis.

C6 to C22 Hydrocarbons by GCMS and GC/FID

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Soil
 Analyst: RL / AW

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Batch Number: M5TPHGS761
 8015DS4212

Carbon Chain Length:	C6-C12	C12-C22
Reporting Limits:	0.50	10
Units:	mg/Kg	mg/Kg
Method Blank	ND	ND
MW-01-18	ND	ND
MW-01-20	ND	ND
MW-02-17	ND	ND
MW-02-20	2.0	ND
MW-03-16	ND	ND
MW-03-20	ND	ND
MW-04-13	6.1	ND
MW-04-20	2.9	ND
Method:	GCMS	GC/FID
Date Extracted:	N/A	11/08/07
Date Analyzed:	11/08/07	11/08/07

QC Sample Report - Volatile Hydrocarbons as Gasoline by GCMS

Matrix: Soil

Batch Number: M5TPHGS761

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Gasoline	2.0	105	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Compound	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Gasoline	2.12	2.09	1%	25%	Pass

Analytical Notes:

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

QC Sample Report - Extractable Hydrocarbons as Diesel by GC/FID

Matrix: Soil

Batch Number: 8015DS4212

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Diesel	100	109	70 - 130	Pass

Batch Precision Results

MS/MSD Sample ID: MW-02-17

Analytical Notes:

Compound	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Diesel	106.6	103.7	3%	25%	Pass

MS: Matrix Spike

LCS: Laboratory Control Sample

MSD: Matrix Spike Duplicate

LCSD: Laboratory Control Sample Duplicate

C6 to C22 Hydrocarbons by GCMS and GC/FID

Client:	SECOR	Date Sampled:	11/07/07
Project:	Olson - San Lorenzo	Date Received:	11/08/07
Job No.:	30426	Batch Number:	MS4TPHGW3836
Matrix:	Water		8015DW4211
Analyst:	TU / AW		

Carbon Chain Length:	C6-C12	C12-C22
Reporting Limits:	0.50	0.40
Units:	mg/L	mg/L
Method Blank	ND	ND
MW-04-W	ND	ND
Method:	GCMS	GC/FID
Date Extracted:	N/A	11/08/07
Date Analyzed:	11/08/07	11/08/07

QC Sample Report - Volatile Hydrocarbons as Gasoline by GCMS

Matrix: Water

Batch Number: MS5TPHW3836

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (mg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Gasoline	2.0	94	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Compound	MS Sample Result (mg/L)	MSD Sample Result (mg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Gasoline	1.89	1.76	7%	25%	Pass

Analytical Notes:

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

QC Sample Report - Extractable Hydrocarbons as Diesel by GC/FID

Matrix: Water

Batch number: 8015DW4211

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	Spike Concentration (mg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Diesel	3.2	98	70 - 130	Pass

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	MS Sample Result (mg/L)	MSD Sample Result (mg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Diesel	3.13	3.25	4%	25%	Pass

MS: Matrix Spike

LCS: Laboratory Control Sample

MSD: Matrix Spike Duplicate

LCSD: Laboratory Control Sample Duplicate

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Soil
 Analyst: RL

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: M58260S761

Compounds	Sample ID: RL	Blank mg/Kg	MW-01-18 mg/Kg	MW-01-20 mg/Kg	MW-02-17 mg/Kg	MW-02-20 mg/Kg	MW-03-16 mg/Kg
Acetone	0.050	ND	ND	0.083	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	0.002	ND	ND	ND	ND	ND	ND
Benzene	0.001	ND	ND	ND	ND	ND	ND
Bromobenzene	0.005	ND	ND	ND	ND	ND	ND
Bromochloromethane	0.005	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.001	ND	ND	ND	ND	ND	ND
Bromoform	0.005	ND	ND	ND	ND	ND	ND
Bromomethane	0.005	ND	ND	ND	ND	ND	ND
tert-Butanol (TBA)	0.020	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	0.010	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.002	ND	ND	ND	ND	0.015	ND
sec-Butylbenzene	0.002	ND	ND	ND	ND	0.010	ND
tert-Butylbenzene	0.002	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.010	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.001	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.001	ND	ND	ND	ND	ND	ND
Chloroethane	0.005	ND	ND	ND	ND	ND	ND
Chloroform	0.002	ND	ND	ND	ND	ND	ND
Chloromethane	0.001	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.002	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.002	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.002	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.002	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND	ND	ND	ND
Dibromomethane	0.001	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.001	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.002	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.002	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.005	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.001	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.001	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.005	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.002	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.002	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.001	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.001	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.001	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.001	ND	ND	ND	ND	ND	ND

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Soil
 Analyst: RL

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: M58260S761

Compounds	Sample ID: RL	Blank mg/Kg	MW-01-18 mg/Kg	MW-01-20 mg/Kg	MW-02-17 mg/Kg	MW-02-20 mg/Kg	MW-03-16 mg/Kg
cis-1,3-Dichloropropene	0.001	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.001	ND	ND	ND	ND	ND	ND
Diisopropyl Ether (DIPE)	0.002	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.001	ND	ND	0.002	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)	0.002	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.001	ND	ND	ND	ND	ND	ND
2-Hexanone	0.010	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.001	ND	ND	ND	ND	0.004	ND
p-Isopropyltoluene	0.002	ND	ND	ND	ND	ND	ND
Methylene chloride	0.050	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	0.010	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MtBE)	0.002	ND	ND	ND	ND	ND	ND
Naphthalene	0.002	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.001	ND	ND	ND	ND	0.016	ND
Styrene	0.001	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.001	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.002	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.001	ND	ND	ND	ND	ND	ND
Toluene	0.001	ND	0.001	ND	ND	ND	0.002
1,2,3-Trichlorobenzene	0.002	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.002	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.003	ND	ND	ND	ND	ND	ND
Trichloroethene	0.001	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.003	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.001	ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane	0.005	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.001	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.001	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.002	ND	ND	ND	ND	ND	ND
Xylenes, m-,p-	0.002	ND	ND	0.008	ND	0.002	ND
Xylene, o-	0.001	ND	ND	0.003	ND	ND	ND

Surrogates in % Recovery (Acceptance Limits: 70 - 130%)

Sample ID:	Blank	MW-01-18	MW-01-20	MW-02-17	MW-02-20	MW-03-16
Dibromofluoromethane	107	108	107	106	105	108
Toluene-d8	95	96	95	94	96	95
Bromofluorobenzene	104	104	106	104	104	105

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Soil
 Analyst: RL

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: M58260S761

Compounds	Sample ID: MW-03-20 MW-04-13 MW-04-20			
	RL	mg/Kg	mg/Kg	mg/Kg
Acetone	0.050	ND	0.27	0.40
tert-Amyl Methyl Ether (TAME)	0.002	ND	ND	ND
Benzene	0.001	ND	ND	ND
Bromobenzene	0.005	ND	ND	ND
Bromochloromethane	0.005	ND	ND	ND
Bromodichloromethane	0.001	ND	ND	ND
Bromoform	0.005	ND	ND	ND
Bromomethane	0.005	ND	ND	ND
tert-Butanol (TBA)	0.020	ND	ND	ND
2-Butanone (MEK)	0.010	ND	ND	ND
n-Butylbenzene	0.002	ND	0.006	0.002
sec-Butylbenzene	0.002	ND	0.011	0.003
tert-Butylbenzene	0.002	ND	ND	ND
Carbon disulfide	0.010	ND	ND	ND
Carbon tetrachloride	0.001	ND	ND	ND
Chlorobenzene	0.001	ND	ND	ND
Chloroethane	0.005	ND	ND	ND
Chloroform	0.002	ND	ND	ND
Chloromethane	0.001	ND	ND	ND
2-Chlorotoluene	0.002	ND	ND	ND
4-Chlorotoluene	0.002	ND	ND	ND
Dibromochloromethane	0.002	ND	ND	ND
1,2-Dibromoethane	0.002	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010	ND	ND	ND
Dibromomethane	0.001	ND	ND	ND
1,2-Dichlorobenzene	0.001	ND	ND	ND
1,3-Dichlorobenzene	0.002	ND	ND	ND
1,4-Dichlorobenzene	0.002	ND	ND	ND
Dichlorodifluoromethane	0.005	ND	ND	ND
1,1-Dichloroethane	0.001	ND	ND	ND
1,2-Dichloroethane	0.001	ND	ND	ND
1,1-Dichloroethene	0.005	ND	ND	ND
cis-1,2-Dichloroethene	0.002	ND	ND	ND
trans-1,2-Dichloroethene	0.002	ND	ND	ND
1,2-Dichloropropane	0.001	ND	ND	ND
1,3-Dichloropropane	0.001	ND	ND	ND
2,2-Dichloropropane	0.001	ND	ND	ND
1,1-Dichloropropene	0.001	ND	ND	ND

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Soil
 Analyst: RL

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: M58260S761

Compounds	Sample ID: MW-03-20 MW-04-13 MW-04-20			
	RL	mg/Kg	mg/Kg	mg/Kg
cis-1,3-Dichloropropene	0.001	ND	ND	ND
trans-1,3-Dichloropropene	0.001	ND	ND	ND
Diisopropyl Ether (DIPE)	0.002	ND	ND	ND
Ethylbenzene	0.001	ND	0.041	0.026
Ethyl tert-Butyl Ether (EtBE)	0.002	ND	ND	ND
Hexachlorobutadiene	0.001	ND	ND	ND
2-Hexanone	0.010	ND	ND	ND
Isopropylbenzene	0.001	ND	0.003	0.001
p-Isopropyltoluene	0.002	ND	ND	ND
Methylene chloride	0.050	ND	ND	ND
4-Methyl-2-pentanone	0.010	ND	ND	ND
Methyl tert-Butyl Ether (MtBE)	0.002	ND	ND	ND
Naphthalene	0.002	ND	ND	ND
n-Propylbenzene	0.001	ND	0.005	0.002
Styrene	0.001	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.001	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.002	ND	ND	ND
Tetrachloroethene	0.001	ND	ND	ND
Toluene	0.001	0.001	0.021	0.013
1,2,3-Trichlorobenzene	0.002	ND	ND	ND
1,2,4-Trichlorobenzene	0.002	ND	ND	ND
1,1,1-Trichloroethane	0.001	ND	ND	ND
1,1,2-Trichloroethane	0.003	ND	ND	ND
Trichloroethene	0.001	ND	ND	ND
1,2,3-Trichloropropane	0.003	ND	ND	ND
Trichlorofluoromethane	0.001	ND	ND	ND
Trichlorotrifluoroethane	0.005	ND	ND	ND
1,2,4-Trimethylbenzene	0.001	ND	0.003	0.002
1,3,5-Trimethylbenzene	0.001	ND	0.002	0.001
Vinyl chloride	0.002	ND	ND	ND
Xylenes, m-,p-	0.002	ND	0.14	0.089
Xylene, o-	0.001	ND	0.040	0.027

Surrogates in % Recovery (Acceptance Limits: 70 - 130%)

Surrogate	Sample ID: MW-03-20 MW-04-13 MW-04-20		
	107	102	102
Dibromofluoromethane	107	102	102
Toluene-d8	96	96	96
Bromofluorobenzene	104	112	108

QC Sample Report - Volatile Organic Compounds by EPA 8260B

Matrix: Soil
Batch Number: M58260S761

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (mg/Kg)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
1,1-Dichloroethene	0.050	90	70 - 130	Pass
Benzene	0.050	88	70 - 130	Pass
Trichloroethene	0.050	97	70 - 130	Pass
Toluene	0.050	84	70 - 130	Pass
Chlorobenzene	0.050	88	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: MW-01-18

Compound	MS Sample Result (mg/Kg)	MSD Sample Result (mg/Kg)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
1,1-Dichloroethene	0.0518	0.0477	8%	25%	Pass
Benzene	0.0504	0.0471	7%	25%	Pass
Trichloroethene	0.0551	0.0511	8%	25%	Pass
Toluene	0.0489	0.0456	7%	25%	Pass
Chlorobenzene	0.0498	0.0463	7%	25%	Pass

Analytical Notes:

MS: Matrix Spike
MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Water
 Analyst: TU

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: MS4820W3836

Compounds	Sample ID:	Blank	MW-04-W
	RL	µg/L	µg/L
Acetone	50	ND	ND
tert-Amyl Methyl Ether (TAME)	1.0	ND	ND
Benzene	0.5	ND	ND
Bromobenzene	1.0	ND	ND
Bromochloromethane	1.0	ND	ND
Bromodichloromethane	0.5	ND	ND
Bromoform	0.5	ND	ND
Bromomethane	2.0	ND	ND
tert-Butanol (TBA)	10	ND	ND
2-Butanone (MEK)	10	ND	ND
n-Butylbenzene	1.0	ND	ND
sec-Butylbenzene	0.5	ND	ND
tert-Butylbenzene	0.5	ND	ND
Carbon disulfide	10	ND	ND
Carbon tetrachloride	0.5	ND	ND
Chlorobenzene	0.5	ND	ND
Chloroethane	0.5	ND	ND
Chloroform	0.5	ND	ND
Chloromethane	2.0	ND	ND
2-Chlorotoluene	0.5	ND	ND
4-Chlorotoluene	0.5	ND	ND
Dibromochloromethane	0.5	ND	ND
1,2-Dibromoethane	0.5	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND
Dibromomethane	0.5	ND	ND
1,2-Dichlorobenzene	0.5	ND	ND
1,3-Dichlorobenzene	0.5	ND	ND
1,4-Dichlorobenzene	0.5	ND	ND
Dichlorodifluoromethane	0.5	ND	ND
1,1-Dichloroethane	0.5	ND	ND
1,2-Dichloroethane	0.5	ND	ND
1,1-Dichloroethene	0.5	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND
1,2-Dichloropropane	0.5	ND	ND
1,3-Dichloropropane	0.5	ND	ND
2,2-Dichloropropane	0.5	ND	ND
1,1-Dichloropropene	0.5	ND	ND

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30426
 Matrix: Water
 Analyst: TU

Date Sampled: 11/07/07
 Date Received: 11/08/07
 Date Analyzed: 11/08/07
 Batch Number: MS4820W3836

Compounds	Sample ID:	Blank	MW-04-W
	RL	µg/L	µg/L
cis-1,3-Dichloropropene	0.5	ND	ND
trans-1,3-Dichloropropene	0.5	ND	ND
Diisopropyl Ether (DIPE)	1.0	ND	ND
Ethylbenzene	0.5	ND	ND
Ethyl tert-Butyl Ether (EtBE)	1.0	ND	ND
Hexachlorobutadiene	0.5	ND	ND
2-Hexanone	10	ND	ND
Isopropylbenzene	0.5	ND	ND
p-Isopropyltoluene	0.5	ND	ND
Methylene chloride	50	ND	ND
4-Methyl-2-pentanone	5.0	ND	ND
Methyl-tert-butyl ether (MtBE)	1.0	ND	ND
Naphthalene	0.5	ND	ND
n-Propylbenzene	0.5	ND	ND
Styrene	0.5	ND	ND
1,1,1,2-Tetrachloroethane	0.5	ND	ND
1,1,2,2-Tetrachloroethane	1.0	ND	ND
Tetrachloroethene	0.5	ND	ND
Toluene	0.5	ND	ND
1,2,3-Trichlorobenzene	0.5	ND	ND
1,2,4-Trichlorobenzene	0.5	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND
1,1,2-Trichloroethane	0.5	ND	ND
Trichloroethene	0.5	ND	ND
1,2,3-Trichloropropane	0.5	ND	ND
Trichlorofluoromethane	0.5	ND	ND
Trichlorotrifluoroethane	5.0	ND	ND
1,2,4-Trimethylbenzene	0.5	ND	ND
1,3,5-Trimethylbenzene	0.5	ND	ND
Vinyl chloride	0.5	ND	ND
Xylenes, m-,p-	1.0	ND	ND
Xylene, o-	0.5	ND	ND

Surrogates in % Recovery (Acceptance Limits: 70 - 130%)

Sample ID:	Blank	MW-04-W
Dibromofluoromethane	107	108
Toluene-d8	104	106
Bromofluorobenzene	96	96

QC Sample Report - Volatile Organic Compounds by EPA 8260B

Matrix: Water
Batch Number: MS48260W3836

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (µg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
1,1-Dichloroethene	50	83	70 - 130	Pass
Benzene	50	110	70 - 130	Pass
Trichloroethene	50	100	70 - 130	Pass
Toluene	50	108	70 - 130	Pass
Chlorobenzene	50	91	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: MW-04-W

Compound	MS Sample Result (µg/L)	MSD Sample Result (µg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
1,1-Dichloroethene	54.85	56.33	3%	25%	Pass
Benzene	54.47	55.03	1%	25%	Pass
Trichloroethene	50.28	50.17	0%	25%	Pass
Toluene	52.66	52.67	0%	25%	Pass
Chlorobenzene	46.17	46.03	0%	25%	Pass

Analytical Notes:

MS: Matrix Spike
MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample
LCSD: Laboratory Control Sample Duplicate



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Centrum Job # 30426

Page 1 of 2

Project No: 040T.29215.69		Project Name: OLSON - SAN LORENZO		Please Circle Analyses Requested										Turn-Around Time see note * <input type="checkbox"/> 24 Hr. RUSH * <input type="checkbox"/> 48 Hr. RUSH * <input checked="" type="checkbox"/> Normal TAT <input type="checkbox"/> Other _____ * Requires <u>PRIOR</u> approval, additional charges apply Requested due date: _____								
Project Manager: JASON ADELAARS		Phone: 909-335-6116 Fax: 909-335-6120		LUFT Diesel, or EPA 8015B DRO LUFT Gas, or EPA 8015B GRO Fuel ID (TVH, TEH), Carbon Chain (specify ranges) 8021B: BTEX/MBE Only C6-C22 VOCs: 82609, or 624 VOCs: BTEX/Oxygenates Only SVOCs: 8270C, or 625 8061A/8082: Pesticides, or PCBs, or Pest/PCB TOTAL LEAD Metals: Title 22 (CAM), or RCRA, or PP Metals: TCLP, STLC pH, TDS, TSS 418.1 (TRPH), or 413.2, or 1664																		
Client Name: (Report and Billing) SECOR		Address: Kute: Reports and Invoice will be sent here (Report and Billing) 25864-F BUSINESS CENTER DRIVE REDLANDS, CA 92374												Remarks/Special Instructions								
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MBE Only	VOCs: 82609, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8061A/8082: Pesticides, or PCBs, or Pest/PCB	TOTAL LEAD	Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664			
1	MW-01-7	11/7/07	810	SOIL	SAN LORENZO	1 SLEEVE															HOLD	
2	MW-01-18		830																			
3	MW-01-20		820																			
4	MW-02-8		850																			HOLD
5	MW-02-17		900																			
6	MW-02-20		905																			
7	MW-03-16		1115																			
8	MW-03-20		1100																			
9	MW-04-13		1315																			
10	MW-04-20		1300																			
1) Relinquished by: (Sampler's Signature) 		Date:	Time:	3) Relinquished by:		Date:	Time:	To be completed by Laboratory personnel: Chilled? <input checked="" type="checkbox"/> Yes Temp _____ C <input type="checkbox"/> From Field Custody seals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No All sample containers intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input checked="" type="checkbox"/> Hand carried										Sample Disposal <input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Lab disposal Sample Locator Number: G				
2) Received by:		Date:	Time:	4) Received by:		Date:	Time:															
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		Date: 11/8/07 Time: 920		5) Relinquished by:		Date:	Time:															
				6) Received for Laboratory by: 		Date: 11/8/07 Time: 920am																
Laboratory Notes:		Report Formats: Check all applicable <input type="checkbox"/> Paper report <input type="checkbox"/> PDF report (include email address) <input type="checkbox"/> LARWQCB <input type="checkbox"/> EDF (include global ID) <input type="checkbox"/> EDD (GISKEY) <input type="checkbox"/> EDD (Other) *																				



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Centrum Job # 30426

Page 2 of 2

Project No:		Project Name:		Please Circle Analyses Requested										Turn-Around Time see note *					
Project Manager: <i>JASON ADELMAR</i>		Phone: Fax:		LUFT Diesel, or EPA 8015B DRO LUFT Gas, or EPA 8015B GRO Fuel ID (TVH, TEH), Carbon Chain (specify ranges) 8021B: BTEX/IMBE Only <i>C6-C12</i> VOCs: 82603 or 624 VOCs: BTEX/Oxygenates Only SVOCs: 8270C, or 625 8081A/8082: Pesticides, or PCBs, or Pest/PCB TOTAL LEAD Metals: Title 22 (CAM), or RCRA, or PP Metals: TCLP, STLC pH, TDS, TSS 418.1 (TRPH), or 413.2, or 1664										<input type="checkbox"/> 24 Hr. RUSH * <input type="checkbox"/> 48 Hr. RUSH * <input checked="" type="checkbox"/> Normal TAT * Requires <u>PRIOR</u> approval, additional charges apply Requested due date: _____					
Client Name: (Report and Billing) <i>SEOR</i>		Address: Note: Reports and Invoice will be sent here (Report and Billing)												Remarks/Special Instructions					
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled											Sample matrix	Site location	Containers: # and type			
11	MW-04-W	11/7/07	1430	H ₂ O	SAN LORENZO	3VUA ZAMBR													
1) Relinquished by: (Sampler's Signature) <i>[Signature]</i>		Date:	Time:	3) Relinquished by:		Date:	Time:	To be completed by Laboratory personnel: Chilled? <input checked="" type="checkbox"/> Yes Temp ____ C <input type="checkbox"/> From Field Custody seals? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>CO</i> All sample containers intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Courier <input type="checkbox"/> UPS/Fed Ex <input checked="" type="checkbox"/> Hand carried										Sample Disposal <input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Lab disposal Sample Locator Number: <i>G/VOA</i>	
2) Received by:		Date:	Time:	4) Received by:		Date:	Time:												
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		5) Relinquished by:		Date:	Time:	6) Received for Laboratory by: <i>[Signature]</i>		Date:	Time:	Report Formats: Check all applicable <input type="checkbox"/> Paper report <input type="checkbox"/> PDF report (include email address) <input type="checkbox"/> LARWQCB <input type="checkbox"/> EDF (include global ID) <input type="checkbox"/> EDD (GISKEY) <input type="checkbox"/> EDD (Other) *									
Laboratory Notes:												* with prior approval only v7.2 9/05 ccc-0003.xls							



**Centrum
Analytical
Laboratories, Inc.**

CERTIFIED HAZARDOUS WASTE TESTING MOBILE & IN HOUSE LABORATORIES

Client: SECOR
25864-F Business Center Dr.
Redlands, CA 92374-4515

Date Sampled: 11/09/07
Date Received: 11/12/07
Job Number: 30445

Project: Olson - San Lorenzo

CASE NARRATIVE

The following information applies to samples which were received on 11/12/07:

The samples were received at the laboratory chilled, all sample containers and custody seals were intact.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested. The date of issue for this report is 11/16/07.

Report approved by:

Robert R. Clark, PhD
President

ELAP Lab# 2419, 2479, 2527, 2373, 2562

RL: Reporting Limit -- The lowest level at which the compound can be reliably detected under normal laboratory conditions.
ND: Not Detected -- The compound was analyzed for, but was not found to be present at or above the Reporting Limit.
NA: Not Analyzed -- This compound was not on the list of compounds requested for analysis.

C6 to C40 Hydrocarbons by GCMS and GC/FID

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30445
 Matrix: Water
 Analyst: CMR / AW

Date Sampled: 11/09/07
 Date Received: 11/12/07
 Batch Number: MS4TPHW3841
 8015DW4214

Carbon Chain Length:	C6-C12	C12-C22
Reporting Limits:	0.50	0.40
Units:	mg/L	mg/L
Method Blank	ND	ND
MW-01-W	ND	ND
MW-02-W	0.71	ND
MW-03-W	ND	ND
Method:	GCMS	GC/FID
Date Extracted:	N/A	11/12/07
Date Analyzed:	11/14-15/07	11/12-13/07

QC Sample Report - Volatile Hydrocarbons as Gasoline by GCMS

Matrix: Water

Batch Number: MS4TPHW3841

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (mg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Gasoline	2.0	92	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Compound	MS Sample Result (mg/L)	MSD Sample Result (mg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Gasoline	1.84	1.74	6%	25%	Pass

Analytical Notes:

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

QC Sample Report - Extractable Hydrocarbons as Diesel by mod. EPA 8015B

Matrix: Water

Batch number: 8015DW4214

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	Spike Concentration (mg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
Diesel	3.2	86	70 - 130	Pass

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Analytical Notes:

Compound	MS Sample Result (mg/L)	MSD Sample Result (mg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
Diesel	2.74	2.88	5%	25%	Pass

MS: Matrix Spike

LCS: Laboratory Control Sample

MSD: Matrix Spike Duplicate

LCSD: Laboratory Control Sample Duplicate

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30445
 Matrix: Water
 Analyst: CMR

Date Sampled: 11/09/07
 Date Received: 11/12/07
 Date Analyzed: 11/14-15/07
 Batch Number: MS48260W3841

Compounds	Sample ID:	Blank	MW-01-W	MW-02-W	MW-03-W
	RL	µg/L	µg/L	µg/L	µg/L
Acetone	50	ND	ND	ND	ND
tert-Amyl Methyl Ether (TAME)	1.0	ND	ND	ND	ND
Benzene	0.5	ND	ND	ND	ND
Bromobenzene	1.0	ND	ND	ND	ND
Bromochloromethane	1.0	ND	ND	ND	ND
Bromodichloromethane	0.5	ND	ND	ND	ND
Bromoform	0.5	ND	ND	ND	ND
Bromomethane	2.0	ND	ND	ND	ND
tert-Butanol (TBA)	10	ND	ND	ND	ND
2-Butanone (MEK)	10	ND	ND	ND	ND
n-Butylbenzene	1.0	ND	ND	13	ND
sec-Butylbenzene	0.5	ND	ND	10	ND
tert-Butylbenzene	0.5	ND	ND	ND	ND
Carbon disulfide	10	ND	ND	ND	ND
Carbon tetrachloride	0.5	ND	ND	ND	ND
Chlorobenzene	0.5	ND	ND	ND	ND
Chloroethane	0.5	ND	ND	ND	ND
Chloroform	0.5	ND	ND	ND	ND
Chloromethane	2.0	ND	ND	ND	ND
2-Chlorotoluene	0.5	ND	ND	ND	ND
4-Chlorotoluene	0.5	ND	ND	ND	ND
Dibromochloromethane	0.5	ND	ND	ND	ND
1,2-Dibromoethane	0.5	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	10	ND	ND	ND	ND
Dibromomethane	0.5	ND	ND	ND	ND
1,2-Dichlorobenzene	0.5	ND	ND	ND	ND
1,3-Dichlorobenzene	0.5	ND	ND	ND	ND
1,4-Dichlorobenzene	0.5	ND	ND	ND	ND
Dichlorodifluoromethane	0.5	ND	ND	ND	ND
1,1-Dichloroethane	0.5	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND	ND
1,2-Dichloropropane	0.5	ND	ND	ND	ND
1,3-Dichloropropane	0.5	ND	ND	ND	ND
2,2-Dichloropropane	0.5	ND	ND	ND	ND
1,1-Dichloropropene	0.5	ND	ND	ND	ND

Volatile Organic Compounds by EPA 8260B

Client: SECOR
 Project: Olson - San Lorenzo
 Job No.: 30445
 Matrix: Water
 Analyst: CMR

Date Sampled: 11/09/07
 Date Received: 11/12/07
 Date Analyzed: 11/14-15/07
 Batch Number: MS48260W3841

Sample ID:	Blank	MW-01-W	MW-02-W	MW-03-W
Compounds	RL	µg/L	µg/L	µg/L
cis-1,3-Dichloropropene	0.5	ND	ND	ND
trans-1,3-Dichloropropene	0.5	ND	ND	ND
Diisopropyl Ether (DIPE)	1.0	ND	ND	ND
Ethylbenzene	0.5	ND	ND	ND
Ethyl tert-Butyl Ether (EtBE)	1.0	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
2-Hexanone	10	ND	ND	ND
Isopropylbenzene	0.5	ND	ND	6.7
p-Isopropyltoluene	0.5	ND	ND	ND
Methylene chloride	50	ND	ND	ND
4-Methyl-2-pentanone	5.0	ND	ND	ND
Methyl-tert-butyl ether (MtBE)	1.0	ND	ND	ND
Naphthalene	0.5	ND	ND	0.8
n-Propylbenzene	0.5	ND	ND	21
Styrene	0.5	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.0	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND
Toluene	0.5	ND	ND	ND
1,2,3-Trichlorobenzene	0.5	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND
1,1,2-Trichloroethane	0.5	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND
1,2,3-Trichloropropane	0.5	ND	ND	ND
Trichlorofluoromethane	0.5	ND	ND	ND
Trichlorotrifluoroethane	5.0	ND	ND	ND
1,2,4-Trimethylbenzene	0.5	ND	ND	ND
1,3,5-Trimethylbenzene	0.5	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND
Xylenes, m-,p-	1.0	ND	ND	ND
Xylene, o-	0.5	ND	ND	ND

Surrogates in % Recovery (Acceptance Limits: 70 - 130%)

Sample ID:	Blank	MW-01-W	MW-02-W	MW-03-W
Dibromofluoromethane	112	112	111	112
Toluene-d8	107	109	109	109
Bromofluorobenzene	99	99	99	100

QC Sample Report - Volatile Organic Compounds by EPA 8260B

Matrix: Water

Batch Number: MS48260W3841

Batch Accuracy Results

Spike Sample ID: Laboratory Control Sample

Compound	Spike Concentration (µg/L)	Spike Sample % Recovery	% Recovery Acceptance Limits	Pass/Fail
1,1-Dichloroethene	50	86	70 - 130	Pass
Benzene	50	116	70 - 130	Pass
Trichloroethene	50	105	70 - 130	Pass
Toluene	50	114	70 - 130	Pass
Chlorobenzene	50	99	70 - 130	Pass

Analytical Notes:

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Compound	MS Sample Result (µg/L)	MSD Sample Result (µg/L)	Relative Percent Difference (RPD)	RPD Acceptance Limit	Pass/Fail
1,1-Dichloroethene	43.15	42.84	1%	25%	Pass
Benzene	58.12	57.77	1%	25%	Pass
Trichloroethene	52.41	51.42	2%	25%	Pass
Toluene	56.96	56.15	1%	25%	Pass
Chlorobenzene	49.30	48.33	2%	25%	Pass

Analytical Notes:

MS: Matrix Spike

MSD: Matrix Spike Duplicate

LCS: Laboratory Control Sample

LCSD: Laboratory Control Sample Duplicate

Project No: 040T.29215.69		Project Name: OLSON - SAN LORENZO		Please Circle Analyses Requested										Turn-Around Time see note * <input type="checkbox"/> 24 Hr. RUSH * <input type="checkbox"/> 48 Hr. RUSH * <input checked="" type="checkbox"/> Normal TAT <input type="checkbox"/> Other _____ * Requires <u>PRIOR</u> approval, additional charges apply Requested due date: _____					
Project Manager: JASON ADELAARS		Phone: _____ Fax: _____		LUFT Diesel, or EPA 8015B DRO LUFT Gas, or EPA 8015B GRO Fuel ID (TVH, TEH), Carbon Chain (specify ranges) 8021B: BTEX/MBE Only CG-C22 VOCs: 8260B, or 624 VOCs: BTEX/Oxygenates Only SVOCs: 8270C, or 625 8081A/8082: Pesticides, or PCBs, or Pest/PCB Metals: Title 22 (CAM), or RCRA, or PP Metals: TCLP, STLC pH, TDS, TSS 418.1 (TRPH), or 413.2, or 1664															
Client Name: (Report and Billing) SECOR		Address: (Report and Billing)		Note: Reports and Invoice will be sent here										Remarks/Special Instructions					
Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	LUFT Diesel, or EPA 8015B DRO	LUFT Gas, or EPA 8015B GRO	Fuel ID (TVH, TEH), Carbon Chain (specify ranges)	8021B: BTEX/MBE Only	VOCs: 8260B, or 624	VOCs: BTEX/Oxygenates Only	SVOCs: 8270C, or 625	8081A/8082: Pesticides, or PCBs, or Pest/PCB	Metals: Title 22 (CAM), or RCRA, or PP	Metals: TCLP, STLC	pH, TDS, TSS	418.1 (TRPH), or 413.2, or 1664	
1	MW-01-W	11/9	815	H2O	SAN LORENZO	3 UOA + 2 AM			X		X								
2	MW-02-W	1	120	L	L	L			X		X								
3	MW-03-W	1	1015	L	L	L			X		X								
1) Relinquished by: (Sampler's Signature) <i>[Signature]</i>		Date: 11/9	Time: 1200	3) Relinquished by:		Date:	Time:	To be completed by Laboratory personnel: Chilled? <input checked="" type="checkbox"/> Yes Temp <u>Ice</u> <input type="checkbox"/> From Field Custody seals? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>CO</u> All sample containers intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Courier <input checked="" type="checkbox"/> UPS Fed Ex <input type="checkbox"/> Hand carried										Sample Disposal <input type="checkbox"/> Client will pick up <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Lab disposal Sample Locator Number: 11/NOA	
2) Received by:		Date:	Time:	4) Received by: FED EX		Date:	Time:												
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.		5) Relinquished by:		Date:	Time:	Report Formats: Check all applicable <input type="checkbox"/> Paper report <input type="checkbox"/> PDF report (include email address) <input type="checkbox"/> LARWQCB <input type="checkbox"/> EDF (include global ID) <input type="checkbox"/> EDD (GISKEY) <input type="checkbox"/> EDD (Other) * <small>* with prior approval only</small>													
		6) Received for Laboratory by: <i>[Signature]</i>		Date: 11/2/07	Time: 1345														
Laboratory Notes:																			