January 14, 2008

Alameda County Environmental Health Services
Mr. Jerry Wickham
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Subject: Further Site Investigation and Remedial Action Report
461 McGraw Avenue, Livermore, California 94550
EIS Project # 717-3

Dear Mr. Wickham,

On behalf of Whitney Newland, Administrator of the Estate of the late Crandal Mackey, and Probate Court-authorized agent for Call Mac Transportation Company, Environmental Investigation Services Inc. (EIS) is submitting this report to document further site investigation and soil removal activities at 461 McGraw Avenue, Livermore, California (the site) for your approval. This report documents the following activities conducted on the site between October 29, 2007 and November 21, 2007:

- Excavation and disposal of arsenic-impacted building pad soils
- Excavation and disposal of DO3 area soils
- Decommissioning of a former water supply well,
- Groundwater monitoring well installation, development, sampling, and
- Soil gas sampling

The site is located northeast of the intersection of McGraw Avenue and Preston Road in Livermore, Alameda County, California. The nearest surface water is Arroyo Seco, located approximately ½ mile south of the site. Surface water in Arroyo Seco flows to the northwest. The site location is shown on Figure 1. Figure 2 depicts the site plan, including various features of concern. The site is currently vacant, but was formerly used by Call Mac Transportation Company as truck and trailer storage yard.

BACKGROUND

In 1995, Remediation Risk Management, Inc. (RRM) removed a 12,000-gallon diesel underground storage tank (UST) from the northern portion of the site (Figures 2 and 3). According to RRM's October 17, 1995 report, *Underground and Above Ground Storage Tank Removal and Sampling Report, 461 McGraw Avenue, Livermore, California 94550*, there were no visible penetrating holes in the walls of the UST, nor was there any visible staining of the soil at the bottom of the excavation, twelve to fourteen feet below ground surface (bgs). However, the report states that

staining was noted around the pipe leading to the dispenser. The three soil samples collected from approximately 1 foot below the base of the excavation and the grab groundwater sample collected from the UST excavation contained no detectable total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as oil (TPH-o), or benzene, toluene, ethylbenzene, xylenes (BTEX). A fourth soil sample collected from near the dispenser piping was found to contain 17,000 mg/kg TPH-d. The report states that the sample from near the dispenser piping "was collected from an area of obvious overspillage" (RRM, October 17, 1995). The report does not provide any additional information or any recommendations about the contaminated area. The excavation was reportedly backfilled with stockpiled soil from the excavation (reported to contain up to 100 mg/kg TPH-o) and with clean imported fill material.

In their report, RRM briefly describes removing a 5,000-gallon diesel aboveground storage tank (AST) from the southeast corner of the site and collecting two surface soil samples from beneath two other ASTs located in the southern portion of the site. There is little information provided about these activities. Recommendations provided in RRM's October 17, 1995, report included characterizing the contents of thirty-nine 55-gallon drums on the site, collecting additional surface samples from areas suspected to be contaminated by petroleum hydrocarbons, and removing the remaining ASTs from the site.

After at least two letters had been issued by the Alameda County Environmental Health Department (ACEH) regarding an order to clean up the diesel-stained area near the former UST piping, RRM issued *Workplan to Excavate Diesel Impacted Soil Adjacent to the Former Diesel Dispenser, 461 McGraw Avenue, Livermore, California 94550*, on December 21, 1995. RRM proposed to excavate the diesel-impacted soil in the vicinity of the dispenser island, with a maximum excavation volume of 75 cubic yards, and to collect five soil confirmation samples and one water sample, if groundwater were encountered. ACEH issued *Workplan Approval for 461 McGraw Ave, Livermore 94550* on December 27, 1995, approving RRM's proposed excavation in the vicinity of the dispenser island. However, the proposed work was not performed, possibly due to the mental incapacity of Crandall Mackey, the sole owner of Call Mac Transportation Company. Near this time Mr. Mackey was diagnosed with severe dementia and Alzheimer's disease. Mr. Mackey passed away in late 2003 and his Probate Estate was opened in 2005.

Other than a few letters and notices of violation from ACEH, EIS does not have documents regarding the site history between ACEH's December 27, 1995, workplan approval letter and a July 17, 2003, document from the Livermore-Pleasanton Fire Department (LPFD) describing a site inspection.

On July 17, 2003, Livermore-Pleasanton Fire Department (LPFD) conducted a hazardous materials inspection of the site, which is described in their *Hazardous Materials Inspection Report Narrative, Call Mac Transportation, 461 McGraw Ave., Livermore*. The LPFD document states that a large number of containers of hazardous materials and/or hazardous waste were observed onsite, both inside trailers and on the ground. Improper storage practices, security issues, and fire hazards were described at the site.

According to the Department of Toxic Substances Control's (DTSC) *Inspection Report, Call Mac Transportation, 461 McGraw Road, Livermore, California 94551* issued December 2, 2003, DTSC

conducted a site inspection on November 13, 2003, to take an inventory of hazardous waste onsite that would be used to select sampling points for a future site visit.

DTSC conducted their next site visit on November 20, 2003, during which they collected a total of twelve samples of suspected hazardous materials, hazardous wastes, and suspected release locations (i.e., stained soil). The sampling and sample results are described in DTSC's *Sampling Report, Call Mac Transportation, 461 McGraw Road, Livermore, California 94551* (January 6, 2004). Laboratory analyses of the samples showed that three of the twelve samples collected had characteristics that defined those substances as hazardous waste: two samples qualified as hazardous waste as corrosive materials because they had pHs greater than 12.5, and one sample qualified as hazardous waste both as a toxic material, with greater than 1,000 mg/kg lead, and as an ignitable material, with a flash point below 140 degrees Fahrenheit. Each of these three samples was collected from drums stored inside trailers. Soil samples collected in the vicinities of ASTs T-1 and T-2, and from some surface stained areas on the northern portion of the property contained high concentrations of petroleum hydrocarbons. Another soil sample collected from former AST location T-4 contained a high concentration of arsenic. These soils were determined not to be hazardous waste.

Remedy Environmental Services, LLC (Remedy) issued *Preliminary Site Assessment, Phase I (Modified)*, on June 7, 2006, in preparation for the removal of the vehicles and the hazardous and non-hazardous materials onsite. According to this report, numerous types of hazardous materials and hazardous wastes were observed on the property during the site inspection, "but none in such condition that there is an eminent health or safety risk." Also, the report states that the ground was noted to be stained in many areas during the site inspection.

On April 2, 2007, Applied Remedial Technologies (ART) submitted *Work Plan to Remove the Three Remaining Storage Tanks, 461 McGraw Avenue, Livermore, California 94550* to LPFD, outlining procedures for decommissioning and disposing of the ASTs and their contents, and for sampling the soil beneath the ASTs. The DTSC's 2004 Sampling Report includes data from soil samples collected from underneath two of the ASTs; the data showed that the soil under the ASTs had been impacted, and that overexcavation would be required.

ART submitted, *Proposed Work Plan to Conduct Soil Removal and Confirmation Sampling of the Impacted Soils at the Former Diesel UST Dispenser Island, Below the Former Above Ground Storage Tanks, and at the Recent Diesel Spill Areas, 461 McGraw Avenue, Livermore, California, 94550*, to ACEH on April 2, 2007. In this workplan, ART describes plans to remove the concrete pad and former pump station and to excavate any contaminated soil they find underneath. ART also included a plan to excavate surface diesel and oil stains attributed to Golden State Metals, Inc.'s (Golden State) demolition of the vehicles stored onsite, and to collect a water sample from the well in the northeastern corner of the site.

In their April 10, 2007, plan check of ART's *Work Plan to Remove the Three Remaining Storage Tanks, 461 McGraw Avenue, Livermore, California 94550*, LPFD approved the workplan for the AST removals, contingent upon approval by ACEH's approval of *Proposed Work Plan to Conduct Soil Removal and Confirmation Sampling of Impacted Soils at the former Diesel UST Dispenser Island, Below the Former Above Ground Storage Tanks, and at the recent Diesel Spill Areas, 461 McGraw Avenue, Livermore, CA 94550.* The LPFD plan check specified that soil

samples must be collected within two working days of the AST removals, and that ACEH would be responsible for overseeing the soil sampling.

ACEH issued the letter, *Fuel Leak Case No. RO0000311 and Geotracker Global ID T0600102204, Call Mac Transportation, 461 McGraw Avenue, Livermore, CA 94550* on April 11, 2007, requesting revisions regarding the excavation and sampling in the vicinity of the former pump island, the AST excavations and sampling, the excavations and sampling of the surface stains from Golden State's demolition activities, and the water well sampling. In addition, ACEH requested that the workplan include collecting eight samples from the soil loading dock, eight samples from the former lead-acid battery storage area near the building pad, two samples from the former storage container location, and two samples from the soil building pad. Finally, ACEH requested six soil borings, with grab groundwater samples collected from each, and soil samples collected where relevant.

On May 18, 2007, EIS issued *Revised Workplan for Site Investigation and Remedial Action, 461 McGraw Avenue, Livermore, California 94550*, which included all of the revisions to the plans for the proposed excavations that ACEH requested, proposed surface sample locations and sampling methods consistent with ACEH requirements, and proposed and described plans for six soil borings, as requested by ACEH.

ACEH approved *Revised Workplan for Site Investigation and Remedial Action, 461 McGraw Avenue, Livermore, California 94550* on May 23, 2007, in the letter, *Fuel Leak Case No. RO0000311 and Geotracker Global ID T0600102204, Call Mac Transportation, 461 McGraw Avenue, Livermore, California 94550 – Work Plan Approval*.

On May 29, 2007, EIS coordinated with Macoy Resources Corporation (MRC) to remove the former pump island, the concrete pad, and the piping/utilities underneath them. In addition, to excavating any impacted soil encountered.

On July 26, 2007, EIS issued *Soil Removal and Site Investigation Report, 461 McGraw Avenue, Livermore, California 94550*. Based on the site activities, analytical data, and documentation presented in this report, EIS reached the following conclusions:

- MRC successfully removed the former pump station and related facilities and excavated to a depth of four feet bgs (two feet below the former facilities). No evidence of contamination was detected in the soil or groundwater in the vicinity of the former UST or pump station.
- Arsenic concentrations in soil samples collected from the building pad and shipping container area were elevated relative to ESLs, PRGs, and Site background concentrations.
- Based on the analytical results of eight shallow soil samples, the former storage of lead-acid batteries to the west of the building pad does not appear to have impacted the shallow soil onsite.
- Based on the analytical results of eight shallow soil samples, the soil loading dock does not appear to have been impacted by TPH-d, TPH-o, or metals above their ESLs or background concentrations on Site..

- MRC excavated approximately 417.1 tons of contaminated soil attributed to Golden State's truck demolition activities onsite, successfully removing 34 small and 7 large surface stains.
- Surface stain DO-3 was underlain by an additional layer of contamination, beginning at approximately 4 feet bgs. MRC excavated approximately 85.2 tons of contaminated soil from below 4 feet bgs in the vicinity of surface stain DO-3 (Excavation DO3). Analytical results of soil samples collected from the bottom of the excavation showed that not all of the contaminated soil was excavated. The data indicated that soil may be contaminated to as deep as 11 feet bgs. The four sidewall samples from Excavation DO3 indicate that the lateral extent of the contaminated soil was reached in four locations. However, the nature and extent of the contamination in the western and southwestern portions of the excavation were not defined.
- MRC excavated over 197 tons of soils from AST areas T-1 through T-4. Confirmation samples collected from these four excavation areas indicate that the extent of the contaminated soil in Excavations T-1 through T-4 was successfully removed.
- Buried debris and a 6- to 8-inch-diameter well were discovered in Excavation T-4. Additional excavation continued in the area until all the debris was removed; a total of approximately 58.3 cubic yards of soil and debris was excavated. Four confirmation soil samples collected from the debris excavation showed no detectable TPH-d or TPH-o, or elevated metals.. The well that was uncovered was not addressed at this time.
- Analytical results of soil and grab groundwater samples from borings B-1, B-2, and B-3, and of grab groundwater samples from borings B-4, B-5, and B-6 suggest that contamination from the former ASTs and UST and associated facilities and the have not impacted the soil or groundwater to levels greater than ESLs or background concentrations outside of the boundaries of the excavations.
- Based on the analytical results of the water sample collected from the water supply well in the northeast corner of the site, the well had not been impacted by past site activities. The well head which had previously been unprotected was fitted with a locking well cap and restored to Zone 7 Water District's protection standards.

On August 3, 2007 ACEH responded to EIS's *Soil Removal and Site Investigation Report*, and stated that no additional investigation or soil removal was required for several locations, including the vicinity of the former pump island and underground storage tank (UST), the former lead-acid battery storage area, the surface stains attributed to Golden State Metals, Inc. activities (except for Area DO3, see Figure 2), and three of the former aboveground storage tank areas (AST Areas T-1, T-2, and T-3, see Figure 2). The work to assess and restore the water supply well in the northeast corner of the site was also satisfactory. ACEH requested remediation of the arsenic-impacted material of the building pad, explanation of the future use and/or disposal of the loading dock, additional excavation in area DO3, proper abandonment of the well in excavation T-4, a historical review for the site, the installation and sampling of three monitoring wells, and a soil gas survey.

On August 30, 2007, EIS submitted *Site Investigation and Remedial Action Workplan to* address ACEH's request for additional work except for the soil gas survey, as the design of the soil gas survey depends on the results of the historical review.

ACEH's September 7, 2007, letter was issued in response to EIS's *Site Investigation and Remedial Action Workplan*. In this letter ACEH's requested a historic review of the property, a well survey, and a workplan for a soil gas survey. The ACEH concurred with the proposed excavation and disposal of arsenic-impacted soil from the building pad, excavation and disposal of soil from excavation DO3, reuse plan of loading dock soil, decommissioning of water supply well in excavation T-4, and the plan to install and sample three groundwater monitoring wells.

EIS conducted the historical review of the property and prepared a report describing the research sources and findings dated October 31, 2007. Based on the historic review of the property a Soil Gas Survey Workplan dated November 2, 2007 was prepared.

ACEH's November 8, 2007, letter was issued in response to this Soil Gas Survey *Workplan*. In this letter ACEH accepted the Soil Gas Survey workplan, with slight modifications to boring locations. The ACEH letter requested two of the soil gas borings be placed in approximate locations of former waste oil and polymer resin drums. The ACEH letter concluded with a request for submittal of the Site Investigation and Remedial Action Report by January 29, 2008.

PRE-FIELD ACTIVITIES

Before commencing field activities, EIS prepared a Site-Specific Health and Safety Plan reflecting the work to be performed, the potential contaminants, appropriate safety precautions, and emergency response procedures. EIS coordinated with regulatory agencies; scheduling activities to coincide with LPFD or ACEH visits to the site. EIS obtained a monitoring well boring permit from the Zone 7 Water Agency. EIS marked the site boundaries with white paint and notified Underground Service Alert (USA) 48 hours before beginning field activities so that companies with underground utilities in the vicinity of the site could mark their locations

EXCAVATION AND DISPOSAL OF ARSENIC-IMPACTED SOIL FROM THE BUILDING PAD AREA

Excavation Activities

Laboratory analysis of soil samples collected May 31, 2007 from the building pad area indicated a widespread distribution of elevated arsenic concentrations. After reviewing the initial data, EIS proposed to excavate and dispose of arsenic impacted soil from the building pad area. The proposed excavation dimensions (100 feet long x 50 feet wide x 1.25 feet deep) were designed to completely remove soil with arsenic concentrations exceeding the RWQCB ESL.

EIS contracted with Macoy Resources Corporation (MRC) of Paso Robles, California, to excavate the arsenic-contaminated soil from the building pad area and remove it from the site. On November 29 and 30, 2007, a total of 377.33 tons of soil were removed from the building pad excavation area. Contaminated soil removed from the excavation was stockpiled on plastic sheeting prior to disposing it to Altamont Landfill under non-hazardous waste manifest. The top surface was hard and comprised of gravel mixed with clay. During excavation, a layer of black ash material was observed at approximately 0.5 feet below ground surface covering the building pad area. The arsenic-impacted soil excavation area is shown on Figures 3.

Soil Sampling

On November 30, 2007, EIS collected ten confirmation samples from the building pad excavation area. For each sample location, a 3-inch diameter hand auger was used to advance a soil boring to approximately 6 inches bgs. Soil was transferred from the hand auger into clean 2-inch diameter by 6-inch long stainless steel sleeves. The stainless-steel sleeves were sealed with Teflon sheets and plastic caps, labeled, logged onto a chain of custody document, and placed into a chilled ice chest for transport to McCampbell Analytical, Inc., of Pittsburg, California. The hand auger was thoroughly decontaminated by double-washing it with a non-phosphate detergent solution, triple rinsing it with tap water, and allowing it to dry before the next sample was collected. Sample locations were backfilled with soil and gravel from their immediate surroundings.

Soil Sample Analytical Results

The soil samples collected from the building pad area were analyzed for arsenic using EPA Method 6020A. Based on the results of the laboratory analysis, the arsenic concentrations in all ten samples slightly exceed the RWQCB's newly revised ESLs for arsenic in commercial and residential soils of 1.5 mg/kg. However, all ten samples (AX-1 through AX-10) had arsenic concentrations ranging from 3.5 mg/kg to 6.2 mg/kg. These arsenic concentrations are consistent with background concentrations of Livermore. The analytical data are summarized in Table 1. The analytical reports for the building pad area samples are included in Attachment A.

EXCAVATION AND DISPOSAL OF SOIL FROM EXCAVATION DO3 AREA

October 29, 2007 Excavation Activities

On October 29, 2007, EIS coordinated with MRC to excavate deep contaminated soil at area DO-3 that was discovered when removing surface stained material apparently caused by demolishing activities conducted by Golden State (Figure 2). In order to differentiate this excavation from the previous excavation for the Golden State surface stain (Stain DO-3), this excavation is called Over Excavation of DO3 Area.

Over Excavation of DO3 was deepened to eleven feet from its original depth of seven feet. The excavation was expanded laterally as well to trace a layer of contaminated soil starting at approximately three feet. There was no evidence of contaminated of soil above eleven feet in the expanded excavation areas.

Decisions made in the field on whether to continue expanding the excavation laterally were based on visual indications of staining, obvious odors, and soil screening using a photoionization detector (PID). When there where no staining or obvious odors apparent and the PID readings showed no significant presence of VOCs in the soil the excavation work was halted and confirmation soil samples were collected for analysis.

Soil obtained by the backhoe from the bottom of the excavation, at 11 feet bgs, had a strong petroleum hydrocarbon odor and elevated PID readings, though no discoloration was noted. In the southern expansion area, EIS noted a faint petroleum hydrocarbon odor in the sidewall, but

no discoloration was visible. Groundwater began seeping into the excavation at 11 feet bgs so the excavation was not deepened further at this time. MRC excavated approximately 89 tons of contaminated soil in the area of DO3. The excavation boundaries of the DO3 contamination area are shown on Figure 4.

EIS collected six confirmation soil samples (DO3-8 through DO3-13) from Over Excavation of DO3 on October 29, 2007. Soil samples were collected from the backhoe bucket. All soil samples were placed into clean 2-inch-diameter by 6-inch-long stainless-steel sleeves. The stainless-steel sleeves were sealed with Teflon sheets and plastic caps, labeled, logged onto a chain-of-custody document, and placed into a chilled ice chest for transport to the laboratory. Samples DO3-8 and DO3-9 were collected from the side wall of the excavation. Samples DO3-10 through DO3-13 were collected from the bottom of the excavation at a depth of 11 feet bgs (Figure 4).

Soil Sample Analysis

The soil samples collected from Over Excavation of DO3 were analyzed by McCampbell Analytical, Inc., of Pittsburg, California using the following methods:

- EPA Method 8015B for TPH-d, TPH-o
- EPA Method 8021B for BTEX TPH-g and MTBE.

Soil Sample Analytical Results

The analytical results for the excavation confirmation samples are summarized in Table 2, and the laboratory analytical reports are included in Attachment B.

TPH-d was detected in samples DO3-10, DO3-11, DO3-12 and DO3-13 at 110 mg/kg, 840 mg/kg, 880 mg/kg and 16 mg/kg respectively. TPH-d in three of the four samples exceeded the ESL of 100 mg/kg in soil on an industrial property where groundwater is currently or potentially a drinking water source.

TPH-o was detected in samples DO3-10, DO3-11, DO3-12 and DO3-13 at 55 mg/kg, 320 mg/kg, and 320 mg/kg, 9.7 mg/kg, respectively. None of the values exceeded the ESLs for TPH-o.

TPH-g was detected in samples DO3-10, DO3-11, DO3-12 and DO3-13 at 43 mg/kg, 120 mg/kg, 33 mg/kg, and <1.0 mg/kg, respectively. Only one sample DO3-11 exceeded the ESL of 100 mg/kg for TPH-g.

There was no BTEX, or MTBE detected in any of the confirmation samples

November 13, 2007 Excavation Activities

After reviewing the data from the confirmation samples collected on October 29, 2007, EIS proposed to deepen the excavation even though it was below the current water table to remove as much of the contamination source as possible. On November 13, 2007, MRC deepened the excavation an additional 3.5 feet to a total depth of 14.5 feet bgs before field indications showed that the bulk of the contamination had been removed and confirmation samples were collected.

The volume of contaminated soil, removed from this additional excavation was approximately 42 tons. MRC loaded the soil into trucks and transported it to Altamont Landfill under non-hazardous waste manifest.

EIS collected two confirmation soil samples DO3-14 and DO3-15 from Over Excavation of DO3 on November 13, 2007. Soil samples were collected from the backhoe bucket. All soil samples were placed into clean 2-inch-diameter by 6-inch-long stainless-steel sleeves. The stainless-steel sleeves were sealed with Teflon sheets and plastic caps, labeled, logged onto a chain-of-custody document, and placed into a chilled ice chest for transport to the laboratory. Soil sample DO3-14 was collected from the north side and DO3-15 was collected from the south side of the excavation, each from a depth of 14.5 feet bgs (Figure 4).

Soil Sample Analysis

The soil samples collected from Over Excavation of DO3 were analyzed by McCampbell Analytical, Inc., of Pittsburg, California using the following methods:

- EPA Method 8015B for TPH-d, TPH-o
- EPA Method 8021B for BTEX TPH-g and MTBE.

Soil Sample Analytical Results

The analytical results of soil samples DO3-14 and DO3-15 indicated only a trace of TPH-d (1.8 mg/kg) in sample DO3-15. No other detectable concentrations of TPH-o, TPH-d, TPH-g, BTEX or MTBE were present.

DECOMMISSIONING OF WATER SUPPLY WELL IN T4 AREA

The water supply well discovered during the excavation of the T4 area was 70 feet deep and the groundwater level was measured to 12.95 feet bgs. EIS contract Exploration Drilling Services, a C-57 licensed drilling company to decommission the water supply well in Excavation T-4 according to Zone 7 Water Agency requirements. As per the Zone 7 Water Agency requirements, the well was cleared of soil, mud and debris to its original depth and filled from the bottom to the surface with cement slurry. The driller used a mud-rotary drill rig to drill out the soil and debris in the well prior to pumping cement slurry into the well. The decommissioned well location is shown in Figure 2. A copy of Zone 7 Water Agency decommissioning well permit is included as Attachment C of this report.

MONITORING WELL INSTALLATION

On November 5, 2007 monitoring wells MW-1 through MW-3 were installed at the locations shown on Figure 2. The monitoring well will be used to verify the success of recent remedial action on improving groundwater quality, groundwater flow direction, and groundwater flow gradient in the vicinity of the site. A copy of Zone 7 Water Agency well permit is included as Attachment D of this report.

EIS marked the proposed monitoring well location with white paint and contacted Underground Service Alert (USA) for underground utility location 48 hours before the beginning of the field activities.
On November 5, 2007, EIS Hydrogeologist Panindhar Krishnamraju and Exploration Geoservices, a C-57 licensed drilling company, mobilized to the site. The proposed new monitoring wells MW-1 through MW-3 were drilled using 8-inch diameter hollow-stem auger drilling equipment. The exploratory borings were advanced into the shallowest aquifer, extending to a total depth of 20 feet bgs. EIS logged the soil borings for MW-1 through MW-3.

Lean clay was encountered to a depth of approximately 20 feet bgs in well borings MW-1 and MW-3. Soils encountered in well boring MW-2 included clayey sand at 18.0 – 20.0 feet bgs. The clay encountered was very consistent throughout the site. In all three borings from 0 to 5 feet bgs the clay was very dark grayish in color then it changed to yellowish brown with abundant caliche, low to medium plasticity and hard. Wet conditions were first described between 11.5 and 18.5 feet bgs. The boring logs are included at Attachment E

Soil samples for logging and laboratory analysis were collected at 5-foot depth intervals using a modified California split-spoon sampler fitted with clean 2-inch diameter stainless steel liners. Soil samples selected for laboratory analysis were preserved by sealing the ends of the liners with Teflon™ sheets and plastic end-caps. The samples were then labeled, sealed in clean plastic bags, logged onto chain-of-custody documentation, and stored in an iced cooler pending transport to the laboratory.

Soil Sample Analysis

The soil samples from each monitoring well boring were analyzed for the presence of TPH-g, BTEX, and MTBE using EPA 8021B, TPH-d and TPH-o using EPA 8015B, VOCs using EPA Method 8260 and CAM 17 metals. Tables 3 and 4 summarize laboratory analytical results for the soil samples. The analyses were performed by McCampbell Analytical, Inc., of Pittsburg, California. Laboratory analytical reports and chain-of-custody documents for the soil samples are included in Attachment F.

Soil Sample Analytical Results

TPH-d, TPH-o and/or TPH-g were detected in two of the ten samples collected from borings MW-1 through MW-3 at concentrations below the regulatory screening levels. Sample MW-2, 4.5-5.0 (collected from a depth of 4.5 feet bgs) contained TPH-d at 1.6 mg/kg and TPH-o at 5.8 mg/kg. Sample MW-3, 4.5-5.0 (collected from a depth of 4.5 feet bgs) contained TPH-g at 3.1 mg/kg. The analytical results are summarized on Table 3 showing a comparison to regulatory agency screening levels (e.g., RWQCB ESLs and the EPA Preliminary Remediation Goals (PRGs)). There was no detectable BTEX, VOCs, or fuel oxygenates in any of the soil samples (Table 3).

Low concentrations of arsenic, barium, chromium, cobalt, copper, lead, nickel, vanadium and zinc metals were detected in the samples from boring MW-1 through MW-3 (Table 4). With the exception of arsenic and cobalt none of the metals were present in concentrations above the ESLs or the PRGs. Arsenic and cobalt were present at concentrations that EIS believes are normal background concentrations for the area.

Well Surveying

Mid Coast Engineers, a California-licensed surveying firm surveyed the new groundwater monitoring well locations on November 7, 2007 using US State Plane 1983 coordinate system and NAD 1983 datum. The horizontal positions and measuring point elevations of the wells were surveyed with a reported accuracy of approximately 1 centimeter. Figure 2 was derived from the Mid Coast Engineers survey data.

Well Development

The monitoring wells were developed to clear the well casing and surrounding sand pack from construction related materials and naturally occurring fine sands and silts. The monitoring wells were developed on November 8, 2007. Well development was conducted using the surge block method followed by groundwater and sediment removal using a peristaltic pump. A total of 10 to 16 well casing volumes were purged until well stabilization was indicated by temperature, conductivity, turbidity, and pH measurements where successive readings were within 10%. Purge water resulting from well development is being stored on-site in labeled 55-gallon drums. Well development field records are presented in Attachment G.

GROUNDWATER SAMPLING

Monitoring Well Sample Collection

On November 9, 2007 groundwater elevation measurements and groundwater samples were collected from monitoring wells MW-1, MW-2, and MW-3 using low flow sampling method. Prior to groundwater sampling, the depth to groundwater and total depth of each monitoring well was measured using the top of casing (TOC) as a reference point.

Prior to conducting the initial sampling event, all equipment were properly cleaned and kept away from the contaminants. A dedicated pump was used to purge the water and continuous periodic water level measurements were recorded. The pump was set at 300 ml/min low flow rate and continuously measured the water level till the stabilized pumping was achieved. During purging, electrical conductivity (EC), and temperature were monitored to ensure that the drawdown and chemical indicator parameters stabilized. Following purging, each sample was collected and sealed within EPA-approved containers provided by the laboratory. The water samples were then labeled, logged onto chain-of-custody documentation, and transported on ice to the laboratory. Field forms documenting EIS's sample collection activities are presented in Attachment H.

Monitoring Well Sample Analyses

Groundwater samples collected from monitoring wells MW-1, MW-2, and MW-3 were analyzed for the presence of TPH-g, BTEX, MTBE using EPA Method 8021B, TPH-d using EPA Method 8015B, VOCs using EPA Method 8260B and Total CAM 17 metals using EPA Method E200.8.

Groundwater Flow Direction and Gradient

Groundwater elevation data measured on November 9, 2007 are presented on Table 5.

Groundwater elevations were used to construct a groundwater elevation contour map (Figure 5). Based on the November 9, 2007 data, groundwater appears to flow toward the northwest. The groundwater flow gradient is about 0.011 feet per foot.

Monitoring Well Groundwater Sample Analytical Results

The laboratory analytical report and chain-of-custody document for the groundwater samples are included in Attachment I. The groundwater sample collected from monitoring well MW-1 contained 10 micrograms per liter (µg/L) of tetrachloroethene (PCE). No TPH-g, TPH-d, BTEX compounds, or other VOCs were detected in the November 9, 2007 groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3. The California Department of Health Services maximum contaminant level (MCL) for tetrachloroethene (PCE) is 5 µg/L. (Table 6)

Low concentrations of arsenic, barium, chromium, cobalt, copper, nickel, selenium, and vanadium metals were detected in the sample from monitoring wells MW-1 through MW-3 (Table 7), but none of them were present in concentrations above the ESLs or the PRGs.

SOIL GAS SURVEY

At the request of Mr. Jerry Wickham of ACEH, four soil gas samples were collected at specific areas of concern onsite. Figures 2 show the soil gas sample locations SG-1 through SG-4. The soil gas sample locations SG-1 through SG-4 were chosen based on the historical review and site history to investigate the chemical storage areas.

Soil gas borings installation

The soil gas sample borings were installed using a truck-mounted direct push/hollow-stem auger combination drill rig. The soil gas sample boreholes were advanced by continuously coring each borehole with a 1.5-inch (outside diameter) sample tool. EIS contracted with a C-57 licensed drilling company to install the soil gas sample borings.

At each soil gas sample location, a 1.5-inch diameter borehole was completed to about 5 feet below ground surface (bgs). Each soil gas sample location was then completed as a "semi-permanent soil gas probe."

Semi-permanent soil gas probes, consisting of an 8-inch wire-mesh screen fitted onto a 7-foot length of polyethylene tubing, were constructed by lowering the wire-mesh screen and tubing assembly to about 5 feet bgs. Fine sand was then poured into the borehole from 5 to 4 feet bgs. Dry granular bentonite was then poured into the borehole in 6 inch lifts and hydrated. The semi-permanent soil gas probes were allowed to equilibrate for at least 30 minutes prior to soil gas sample collection.

Soil gas sampling

Soil gas samples were collected using 6-liter air sampling Summa canisters supplied by the analytical laboratory. A T-joint fitting was attached to the tubing connecting one end to Summa canister and the other end to an air compressor pump. The soil gas probe was purged for three minutes before collecting the soil samples. After purging the line the valve was turned to allow the Summa canister to fill with gas from the probe. A pressure gauged fitted in line with the system

was monitored so that it was known when the Summa canister was filled. While filling the Summa canisters the connections in the system were swapped with isopropyl alcohol as a mean to check the integrity of the system when the sample is analyzed. The presence of isopropyl alcohol in the sample likely means that the system was not completely sealed and some outside air was able to enter the Summa canister. Once filled the Summa canisters were sealed using an integral valve and transported to the analytical laboratory under a chain-of-custody document. After the collection of the sample, soil gas probe tubing was removed and sealed using neat cement.

Soil gas sampling analysis and findings

The soil gas samples were analyzed by McCampbell Analytical, Inc., of Pittsburg, California. Each soil gas sample was analyzed for volatile organic compounds using Environmental Protection Agency (EPA) Method 8260B.

No volatile organic compounds were detected in the November 13, 2007 soil gas samples collected from SG-2 and SG-3 soil gas samples. Soil gas samples SG-1 and SG-4 failed and were not analyzed since samples were not recovered and reported open. Soil gas probes SG-1 and SG-4 were re-installed and sampled on November 21, 2007 in the same manner described above using Summa canisters supplied by McCampbell Analytical, Inc., of Pittsburg, California. Analytical reports and chain-of-custody documentation for the soil gas samples are included in Attachment J of this report.

Sample SG-1 contained 28 µg/l of benzene, 120 µg/l isopropyl alcohol (used as a leak check agent while sampling), 49 µg/l ethylbenzene, 20 µg/l 1,2,4-trimethylbenzene, 250 µg/l toluene, and 190 µg/l xylenes. Sample SG-4 contained 44 µg/l of benzene, 21 µg/l ethylbenzene, 60 µg/l tetrachloroethene, 150 µg/l toluene and 78 µg/l xylenes. Volatile organic compound analytical data from the soil gas samples are summarized in Table 8. Analytical reports and chain-of-custody documentation for the soil gas samples are included in Attachment K of this report.

As indicated in Table 8, all detected concentrations were below California Regional Water Quality Control Board soil gas screening levels for shallow soil gas data (collected less than 1.5 meters [5 feet] below a building foundation or the ground surface) intended for evaluation of potential indoor-air impacts for residential land use.

CONCLUSIONS

Based on the site activities, analytical data, and documentation presented in this report, EIS has reached the following conclusions:

- MRC successfully excavated approximately 377 tons of arsenic impacted soil from the building pad area and transported it to a disposal facility.
- Analytical data of ten soil samples collected from excavated building pad area indicate that the remaining arsenic concentrations exceed the RWQCB's newly revised ESLs for arsenic in commercial and residential soils. However, the arsenic concentrations in the remaining soil are consistent with those found elsewhere on site, such as in samples from borings MW-1, MW-2 and MW-3 collected as deep as 18.5 feet bgs. It is believed that the arsenic concentrations found in the confirmation samples beneath the building pad are normal levels for the Site. No further excavation work is required at the building pad.

- On October 29 and 30, 2007, MRC excavated approximately 89 tons of contaminated soil from the DO3 over excavation, beginning at approximately 7 feet to 11.0 feet bgs. MRC further excavated an additional 42 tons of contaminated soil beginning at approximately 11.0 feet bgs to 14.5 feet bgs on November 13, 2007. The contaminated soil was transported to the Altamont landfill.
- Based on the analytical results of confirmation samples collected from the bottom and sidewalls of the over excavation of DO3, the excavation work succeeded in removing nearly all the contaminated soil, leaving only trace concentrations of hydrocarbons that are well below ESLs.
- Exploration Drilling Services, successfully decommissioned the water supply well in T4 area in accordance with the Zone 7 Water Agency requirements.
- EIS installed three onsite groundwater monitoring wells, MW-1 through MW-3.
- Soil samples collected from borings MW-1 through MW-3 contained no constituents of concern above ESLs or PRGs, with the exception of arsenic and cobalt which appear to be normal concentrations for the area.
- The groundwater sample collected from monitoring well MW-1 on November 9, 2007 contained 10 µg/L of PCE, but no petroleum hydrocarbons, fuel additives of elevated metals concentrations. The concentration of PCE exceeded the ESL of 5 µg/L.
- Based on November 9, 2007 groundwater elevation data, groundwater appears to flow toward the northwest. The groundwater flow gradient is about 0.011 feet per foot.
- The limited soil gas survey indicated the presence of low concentrations of VOCS in the subsurface. None of the compounds detected were at concentrations above the respective ESLs for shallow soil gas (collected less than 1.5 meters [5 feet] below a building foundation or the ground surface) intended for evaluation of potential indoor-air impacts for residential land use.

RECOMMENDATIONS

EIS has already expanded the site investigation to delineate the extent of PCE in groundwater beneath the site that was detected in well MW-1. The results of that investigation are forthcoming. Recommendations for additional work will be including in that report.

LIMITATIONS

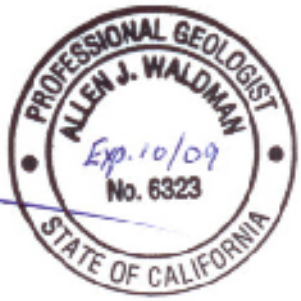
This report includes analytical results for samples taken during the course of the work. The number and location of samples were chosen to provide information on shallow soil and on groundwater in selected areas of the site, but it cannot be assumed that they are representative of areas not sampled. The variations that may exist between sampling points cannot be anticipated, nor could they be entirely accounted for, in spite of exhaustive additional testing. Conclusions beyond those stated and reported herein should not be inferred from this document.

All reports and findings are based on the conditions and practices observed and information made available to Environmental Investigation Services, Inc.

Sincerely,

Environmental Investigation Services, Inc.

Panindhar R. Krishnamraju, Ph.D.
Hydrogeologist



Allen J. Waldman, PG#6323
Project Geologist

Attachments:

Table 1 -- Summary of Soil Sample Analytical Results, Excavation Building Pad Area
Table 2 -- Summary of Soil Sample Analytical Results, Excavation DO3 Area
Table 3 -- Summary of Soil Sample Analytical Results, Monitoring Well Borings MW-1 Through MW-3
Table 4 -- Summary of Soil Sample Analytical Results, Monitoring Well Borings MW-1 Through MW-3
Table 5 -- Summary of Groundwater Elevation Measurements
Table 6 -- Summary of Groundwater Sample Analytical Results
Table 7 -- Summary of Groundwater Sample Analytical Results for Metals
Table 8 -- Summary of Soil Gas Sample Analytical Results

Figure 1 -- Site Location Map
Figure 2 -- Site Plan
Figure 3 -- Building Pad Excavation and Soil Sample Locations Map
Figure 4 -- Excavation Boundaries and Confirmation Sample Locations for Excavation DO3
Figure 5 – Groundwater Elevation Contour Map

Attachment A – Building Pad Soil Samples Laboratory Analytical Reports
Attachment B – DO3 Soil Samples Laboratory Analytical Reports
Attachment C – Decommission Well Permit
Attachment D – Monitoring Well Permit
Attachment E – Monitoring Well Boring Logs
Attachment F – Monitoring Well Boring Soil Samples Laboratory Analytical Reports
Attachment G – Monitoring Well Development Field Sheets
Attachment H – Groundwater Sampling Field Sheets
Attachment I – Groundwater Sampling Laboratory Analytical Reports
Attachment J – Soil Gas Sampling Laboratory Analytical Reports
Attachment K – Soil Gas Sampling Laboratory Analytical Reports of SG-1 and SG-4

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TABLES

Table 1 - Summary of Soil Sample Analytical Results
Excavation Building Pad Area
461 McGraw Avenue, Livermore, California

Date	Soil Sample	Arsenic
10/30/2007	AX-1	**4.1**
10/30/2007	AX-2	**4.0**
10/30/2007	AX-3	**6.2**
10/30/2007	AX-4	**4.2**
10/30/2007	AX-5	**4.3**
10/30/2007	AX-6	**6.0**
10/30/2007	AX-7	**3.5**
10/30/2007	AX-8	**5.1**
10/30/2007	AX-9	**3.8**
10/30/2007	AX-10	**4.5**
RWQCB ESL (Commercial/Industrial)		1.5
RWQCB ESL (Residential)		0.38
USEPA PRG		0.25

Notes:

Data are reported in milligrams per kilogram (mg/kg).

Nov 2007 RWQCB ESL = Regional Water Quality Control Board's Shallow Soil Environmental Screening Level for Commercial, Industrial or Residential Property where groundwater is currently or potentially a drinking water resource.

Bold = results which are greater than the Nov 2007 RWQCB Shallow Soil ESL for Commercial/Industrial Properties

USEPA PRG = United States Environmental Protection Agency's Preliminary Remediation Goal, 2004

EPA Method 6020A for Arsenic

Table 2- Summary of Soil Analytical Results
Excavation DO3 Area
461 McGraw Avenue, Livermore, California

Soil Sample	Depth (feet)	Date	TPH-d	TPH-o	TPH-g	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes
DO3-2	6.0	6/6/2007	<10	<50	<0.5	<0.020	<0.005	<0.005	<0.005	<0.010
DO3-3	7.0	6/6/2007	<10	<50	<0.5	<0.020	<0.005	<0.005	<0.005	<0.010
DO3-4	6.0	6/6/2007	<10	<50	<0.5	<0.020	<0.005	<0.005	<0.005	<0.010
DO3-5	6.0	6/6/2007	<10	<50	<0.5	<0.020	<0.005	<0.005	<0.005	<0.010
DO3-6	7.0	6/6/2007	**2,500**	<50	34	<0.1	0.030	0.217	0.029	1.940
DO3-7	11.0	6/6/2007	64	<50	<0.5	<0.020	<0.005	<0.005	<0.005	<0.010
DO3-8	6.0	10/29/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
DO3-9	7.0	10/29/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
DO3-10	11.0	10/29/2007	**110,a**	55	43,g	<1.0	<0.10	<0.10	<0.10	<0.10
DO3-11	11.0	10/29/2007	**840,a**	320	**120,g**	<1.0	<0.10	<0.10	<0.10	<0.10
DO3-12	11.0	10/29/2007	**880,a**	320	33,g	<0.50	<0.050	<0.050	<0.050	<0.050
DO3-13	11.0	10/29/2007	16,a	9.7	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
DO3-14	14.5	11/13/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
DO3-15	14.5	11/13/2007	1.8,a	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005
RWQCB ESL (Commercial/Industrial)			83	2,500	83	0.023	0.044	2.9	3.3	2.3
RWQCB ESL (Residential)			83	4,100	83	0.023	0.044	2.9	3.3	2.3
USEPA PRG			--	--	--	70	1.4	520	400	420

Notes:

Data are reported in milligrams per kilogram (mg/kg)
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-o = Total Petroleum Hydrocarbons as oil
TPH-g = Total Petroleum Hydrocarbons as gasoline
MTBE = Methyl tert-butyl ether
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes

Method 8015M for TPH-d, TPH-o, and TPH-g; Method 8021 for BTEX and MTBE

a = Unmodified or weakly modified diesel is significant
g = Strongly aged gasoline or diesel range compounds are significant
= Not Established

Bold = results which are greater than the Nov 2007 RWQCB Shallow Soil ESL for Commercial/Industrial Properties
Nov 2007- RWQCB ESL = Regional Water Quality Control Board's Shallow Soil Environmental Screening Level for Commercial, Industrial or Residential Property where groundwater is currently or potentially a drinking water resource.
USEPA PRG = United States Environmental Protection Agency's Preliminary Remediation Goal for Industrial Soil. (2004)

Table 3 - Summary of Soil Analytical Results
Monitoring Well Borings MW-1 Through MW-3
461 McGraw Avenue, Livermore, California

Soil Sample	Depth (feet)	Date	TPH-d	TPH-o	TPH-g	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	Other VOCs	Other Oxygenates
MW-1, 9.5-10.0	9.5-10.0	11/5/2007	1.1,b	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-1, 14.5-15.0	14.5-15.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-2, 4.5-5.0	4.5-5.0	11/5/2007	1.6,g,b	5.8	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-2, 9.5-10.0	9.5-10.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-2, 14.5-15.0	14.5-15.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-2, 18.5-19.0	18.5-19.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-3, 4.5-5.0	4.5-5.0	11/5/2007	<10	<5.0	3.1,g	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-3, 9.5-10.0	9.5-10.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-3, 14.5-15.0	14.5-15.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
MW-3, 18.5-19.0	18.5-19.0	11/5/2007	<1.0	<5.0	<1.0	<0.05	<0.005	<0.005	<0.005	<0.005	ND	ND
RWQCB ESL (Commercial/Industrial)			83	2,500	83	0.023	0.044	2.9	3.3	2.3	--	--
RWQCB ESL (Residential)			83	4,100	83	0.023	0.044	2.9	3.3	2.3	--	--
USEPA PRG			--	--	--	70	1.4	520	400	420	--	--

Notes:

Data are reported in milligrams per kilogram (mg/kg).
TPH-g = Total Petroleum Hydrocarbons as gasoline
TPH-d = Total Petroleum Hydrocarbons as diesel
TPH-o = Total Petroleum Hydrocarbons as oil

VOCs = Volatile Organic Compounds
MTBE = Methyl tert-Butyl Ether
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
ND = Not Detected
-- = Not Established

Nov 2007- RWQCB ESL = Regional Water Quality Control Board's Shallow Soil Environmental Screening Level for Commercial, Industrial or Residential Property where groundwater is currently or potentially a drinking water resource.

USEPA PRG = United States Environmental Protection Agency's Preliminary Remediation Goal for Industrial Soil. (2004)

Method 8015B for TPH-d and TPH-o; Method 8260B for TPH-g, VOCs, Fuel Oxygenates, BTEX and MTBE

Table 4 - Summary of Soil Sample Analytical Results
Monitoring Well Borings MW-1 Through MW-3
461 McGraw Avenue, Livermore, California

Soil Sample	Depth (feet)	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-1, 9.5-10.0	9.5-10.0	11/5/2007	<0.5	**5.3**	180	<0.5	<0.25	35	12	19	7.3	<0.05	<0.5	42	<0.5	<0.5	<0.5	44	50
MW-1, 14.5-15.0	14.5-15.0	11/5/2007	<0.5	**5.4**	150	<0.5	<0.25	30	7.8	16	5.5	<0.05	<0.5	34	<0.5	<0.5	<0.5	38	96
MW-2, 4.5-5.0	4.5-5.0	11/5/2007	0.56	**6.8**	260	<0.5	<0.25	40	9.2	23	11	<0.05	<0.5	41	<0.5	<0.5	<0.5	49	101
MW-2, 9.5-10.0	9.5-10.0	11/5/2007	<0.5	**5.2**	260	<0.5	<0.25	35	11	20	6.8	<0.05	<0.5	41	<0.5	<0.5	<0.5	46	104
MW-2, 14.5-15.0	14.5-15.0	11/5/2007	<0.5	**5.5**	180	<0.5	<0.25	32	8.6	19	6.6	<0.05	<0.5	35	<0.5	<0.5	<0.5	43	48
MW-2, 18.5-19.0	18.5-19.0	11/5/2007	<0.5	**4.9**	270	<0.5	<0.25	33	10	20	6.7	<0.05	<0.5	38	<0.5	<0.5	<0.5	45	51
MW-3, 4.5-5.0	4.5-5.0	11/5/2007	<0.5	**5.1**	110	<0.5	<0.25	34	7.1	16	5.2	<0.05	<0.5	33	<0.5	<0.5	<0.5	32	42
MW-3, 9.5-10.0	9.5-10.0	11/5/2007	<0.5	**5.4**	170	0.52	<0.25	53	11	20	6.4	<0.05	<0.5	40	<0.5	<0.5	<0.5	48	57
MW-3, 14.5-15.0	14.5-15.0	11/5/2007	<0.5	**5.3**	93	<0.5	<0.25	32	5.8	16	4.9	<0.05	<0.5	28	<0.5	<0.5	<0.5	40	102
MW-3, 18.5-19.0	18.5-19.0	11/5/2007	<0.5	**6.0**	150	<0.5	<0.25	34	11	21	7.6	<0.05	<0.5	40	<0.5	<0.5	<0.5	42	100
RWQCB ESL (Commercial/Industrial)			40	1.5	1,500	0.1	7.4	58*	80	230	750	10	40	150	10	40	15	190	600
RWQCB ESL (Residential)			6.1	0.38	750	0.038	1.7	58*	40	230	200	1	40	150	10	20	1.2	15	600
USEPA PRG (Commercial/Industrial)			410	0.25	67,000	1,900	450	450	1900	41,000	800	310	5,100	20,000	5,100	5,100	67	1,000	100,000

Notes:

Data are reported in milligrams per kilogram (mg/kg).

Nov 2007- RWQCB ESL = Regional Water Quality Control Board's Shallow Soil Environmental Screening Level for Commercial, Industrial, or Residential Property where groundwater is currently or potentially a drinking water resource.

58* = Total Chromium ESL Values used are from 2005 since the Nov 2007 version does not include an ESL for Total Chromium commercial/industrial or residential properties.

USEPA PRG = United States Environmental Protection Agency's Preliminary Remediation Goal for Industrial Soil. (2004)

EPA Method 6010B for CAM-17 Metals

Bold = results which are greater than the Nov 2007 RWQCB Shallow Soil ESL for Commercial/Industrial Properties

Table 5 - Summary of Groundwater Elevation Measurements
461 McGraw Avenue, Livermore, California

Well	Date	Measuring Point Elevation	Total Well Depth	Depth to Water	Groundwater Elevation
MW-1	11/9/2007	524.66	19.41	10.05	514.61
MW-2	11/9/2007	527.15	19.52	11.21	515.94
MW-3	11/9/2007	526.99	19.85	11.27	515.72

Notes:

Depth measurements are reported in feet below the measuring point.

Elevations are reported in feet above mean sea level.

Measuring Point Elevations are surveyed on 11/07/2007 by Mid Coast Engineers

Table 6 - Summary of Groundwater Sample Analytical Results
461 McGraw Avenue, Livermore, California

Boring	Date	TPH-g	TPH-d	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	PCE	Other VOCs	Other Oxygenates
MW-1	11/9/2007	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5	10	ND	ND
MW-2	11/9/2007	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5	<1.0	ND	ND
MW-3	11/9/2007	<50	<50	<5.0	<0.5	<0.5	<0.5	<0.5	<1.0	ND	ND
CDHS MCL		--	--	5[(a)]	1	150	300	1,750	5	--	--
Drinking Water ESLs		210	210	13	1.0	150	300	1,800	5	--	--

Notes:

Data are reported in micrograms per liter (μg/L)
TPH-g = Total Petroleum Hydrocarbons as gasoline
TPH-d = Total Petroleum Hydrocarbons as diesel
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
VOCs = Volatile Organic Compounds
MTBE = Methyl tert-Butyl Ether
PCE = Tetrachloroethene

(a) = This is the secondary MCL for MTBE, which is based on qualitative factors such as taste and odor. The primary MCL for MTBE, the value that has been determined to be protective of human health, is 13 micrograms per liter.

Drinking Water ESLs = Regional Water Quality Control Board's Environmental Screening Levels for drinking water. 2007

CDHS MCL = California Department of Health Services' Maximum Contaminant Level for Drinking Water, CCR Title 22, 2005

Method 8015 M for TPH-d, Method 8260B for VOCs, TPH-g, Fuel Oxygenates, BTEX, MTBE and VOCs

ND = Not Detected
-- = Not Established

Table 7 - Summary of Groundwater Sample Analytical Results for Total Metals
461 McGraw Avenue, Livermore, California

Boring	Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
MW-1	11/9/2007	<0.5	2.3	240	<0.5	<0.25	8.6	<0.5	<0.5	<0.5	0.040	1.9	<0.5	1.4	<0.19	<0.5	14	<5.0
MW-2	11/9/2007	<0.5	2.7	140	<0.5	<0.25	1.9	0.60	0.83	<0.5	0.059	2.2	1.1	<0.5	<0.19	<0.5	12	<5.0
MW-3	11/9/2007	<0.5	3.5	120	<0.5	<0.25	2.6	0.67	1.6	<0.5	0.038	2.3	1.3	0.71	<0.19	<0.5	9	<5.0
CDHS MCL		6	50	1,000	4	5	50	--	1,000[(a)]	15[(b)]	2	--	100	50	100 [(c)]	2	--	5,000[(c)]
Drinking Water ESLs		6.0	50	1,000	4.0	5.0	50	140	1,000[(d)]	15	2.0	35	100	50	100	2.0	15	5,000

Notes:

Data are reported in micrograms per liter (μg/L)

Sb = Antimony
As = Arsenic
Ba = Barium
Be = Beryllium
Cd = Cadmium
Cr = Chromium
Co = Cobalt
Cu = Copper
Pb = Lead
Hg = Mercury
Mo = Molybdenum
Ni = Nickel
Se = Selenium
Ag = Silver
Tl = Thallium
V = Vanadium
Zn = Zinc

CDHS MCL = California Department of Health Services' Maximum Contaminant Level for Drinking Water (2006 list)

(a) = Secondary MCL, a standard based on qualitative factors such as taste and odor. The Regulatory Action Level (a concentration that, if a system exceeds, requires it to take certain actions), is 1,300 μg/L. The Regulatory Action Level Replaces the MCL.

(b) = Regulatory Action Level, a concentration that, if a system exceeds, requires it to take certain actions

(c) = Secondary MCL, a standard based on qualitative factors such as taste and odor.

(d) = Ceiling level for copper. The drinking water (human health-protective) ESL is 1,300 μg/L.

Drinking Water ESLs = Regional Water Quality Control Board's Environmental Screening Levels for drinking water. (Nov 2007)

-- = Not Established

CAM 17 Total Metals by EPA 200.8 Method

Table 8 - Summary of Soil Gas Sample Analytical Results
461 MacGraw Avenue, Livermore, California

Sample	Date	Benzene	Isopropyl Alcohol	Ethylbenzene	1,2,4-Trimethylbenzene	PCE	Toluene	Xylenes	Other VOC's
SG-1	11/21/2007	28	120	49	20	<14	250	190	ND
SG-2	11/13/2007	<6.5	<25	<8.8	<10	<14	<7.7	<27	ND
SG-3	11/13/2007	<6.5	<25	<8.8	<10	<14	<7.7	<27	ND
SG-4	11/21/2007	44	<25	21	<10	60	150	78	ND
CHHSL Shallow Soil Gas Screening Levels		36.2	--	--	--	180	135,000	315,000	--
RWQCB ESL Shallow Soil Screening Levels		85	--	210,000	--	410	63,000	21,000	--

Notes:

Data and CHHSL Shallow Soil Gas Screening Levels are reported in micrograms per liter ($\mu g/m^3$)

CHHSL Soil Gas Screening Levels are based on soil gas data collected less than 1.5 meters (5 feet) below a building foundation or the ground surface. Intended for evaluation of potential indoor-air impacts for **Residential Land Use**.

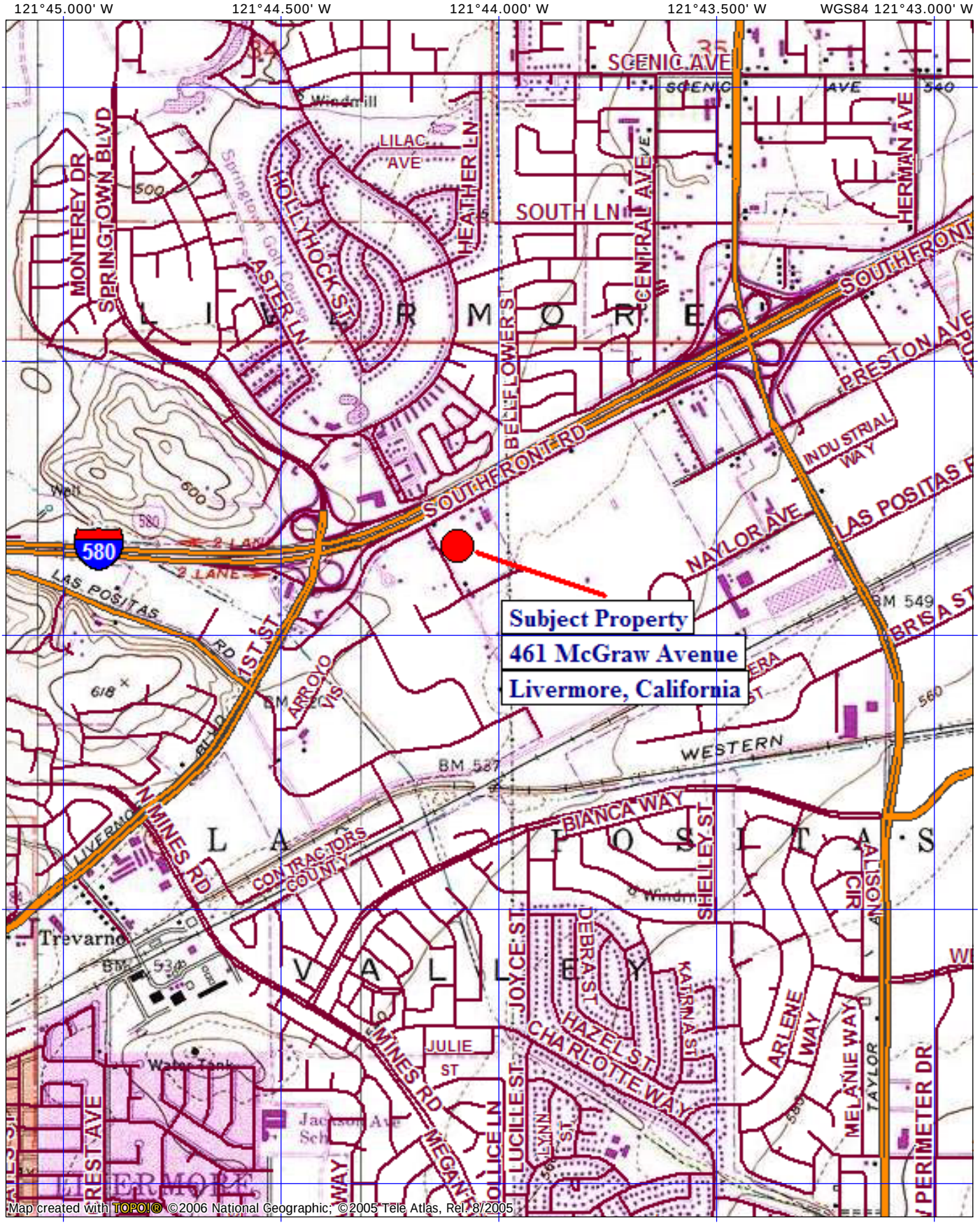
Nov 2007- RWQCB ESL Soil Gas Screening Levels are based on soil gas data collected less than 3.0 meters (10 feet) below a building foundation or ground surface. Intended for evaluation of potential indoor-air impacts for **Residential Land Use.**

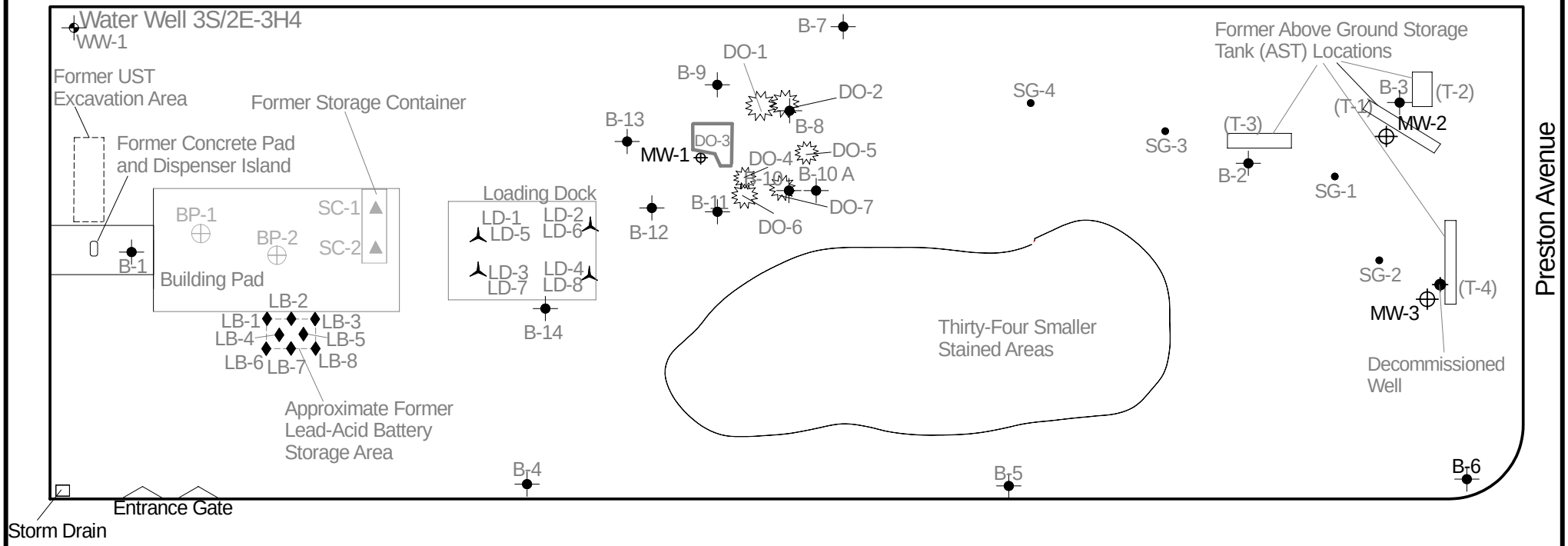
-- Not Established ND = Not Detected

PCE = Tetrachloroethene VOCs = Volatile Organic Compounds Soil Gas Analysis by EPA Method TO15

FIGURES

Figure 1 : Site Location Map





N

Scale:
1" = 60'
0 60

LEGEND

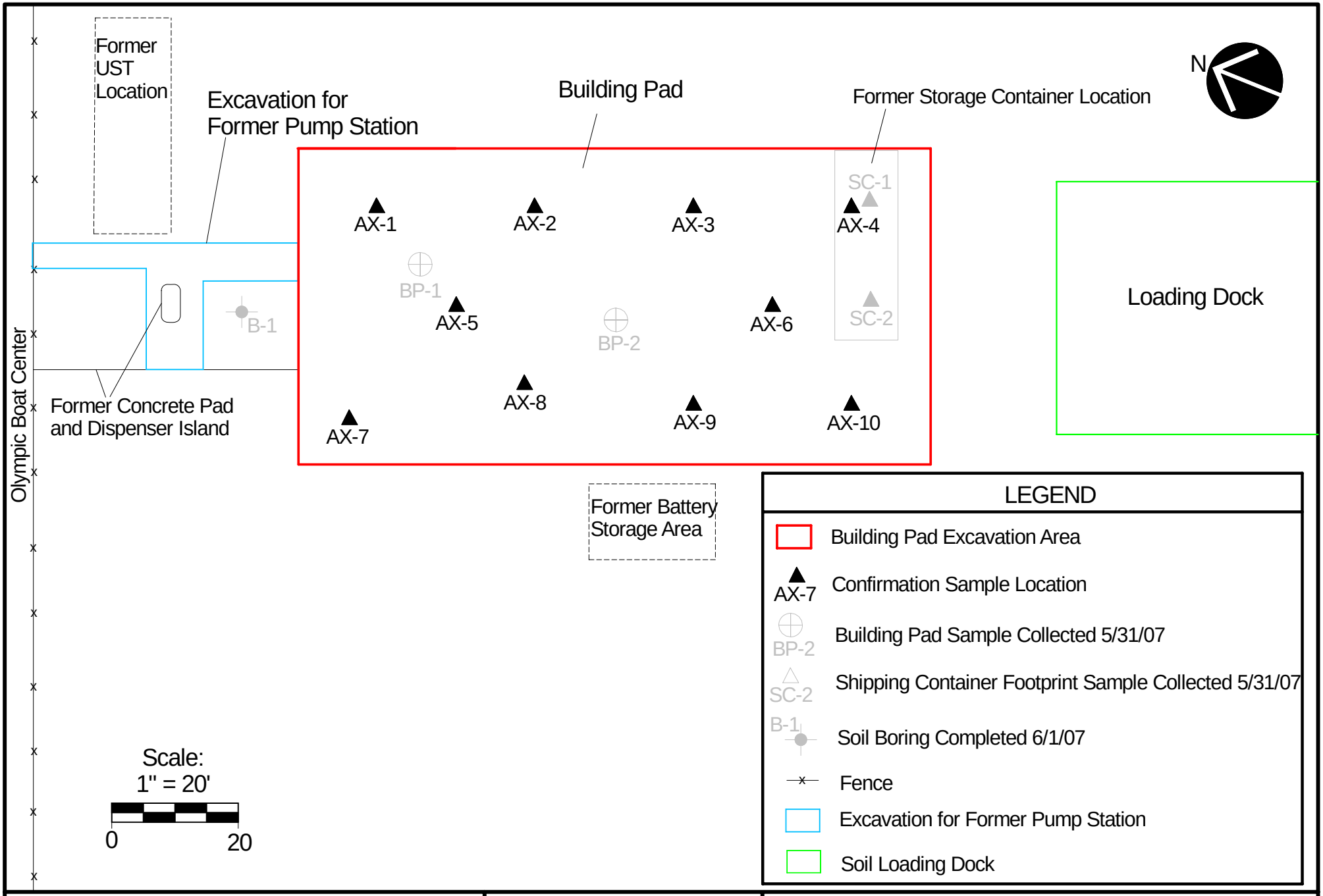
- Water Well
- WW-1 Well Water Sample
- B-4 Soil Boring
- BP-2 Building Pad Sample
- LB-1 Former Lead-Acid Battery Storage Area Sample
- DO-7 Large Petroleum Hydrocarbon-Stained Area
- LD-4 Loading Dock Sample
- SC-2 Storage Container Sample
- MW-1 Monitoring Well Location
- SG-3 Soil Gas Sample Location

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite 212, Los Gatos, California 95032
Phone: (408) 871-1470 Fax: (408) 871-1520

Project Number 717-3

January 4, 2008

Figure 2 Site Plan
461 McGraw Avenue
Livermore, California



Environmental Investigation Services, Inc.
170 Knowles Drive, Suite 212, Los Gatos, California 95032
Phone: (408) 871-1470 Fax: (408) 871-1520

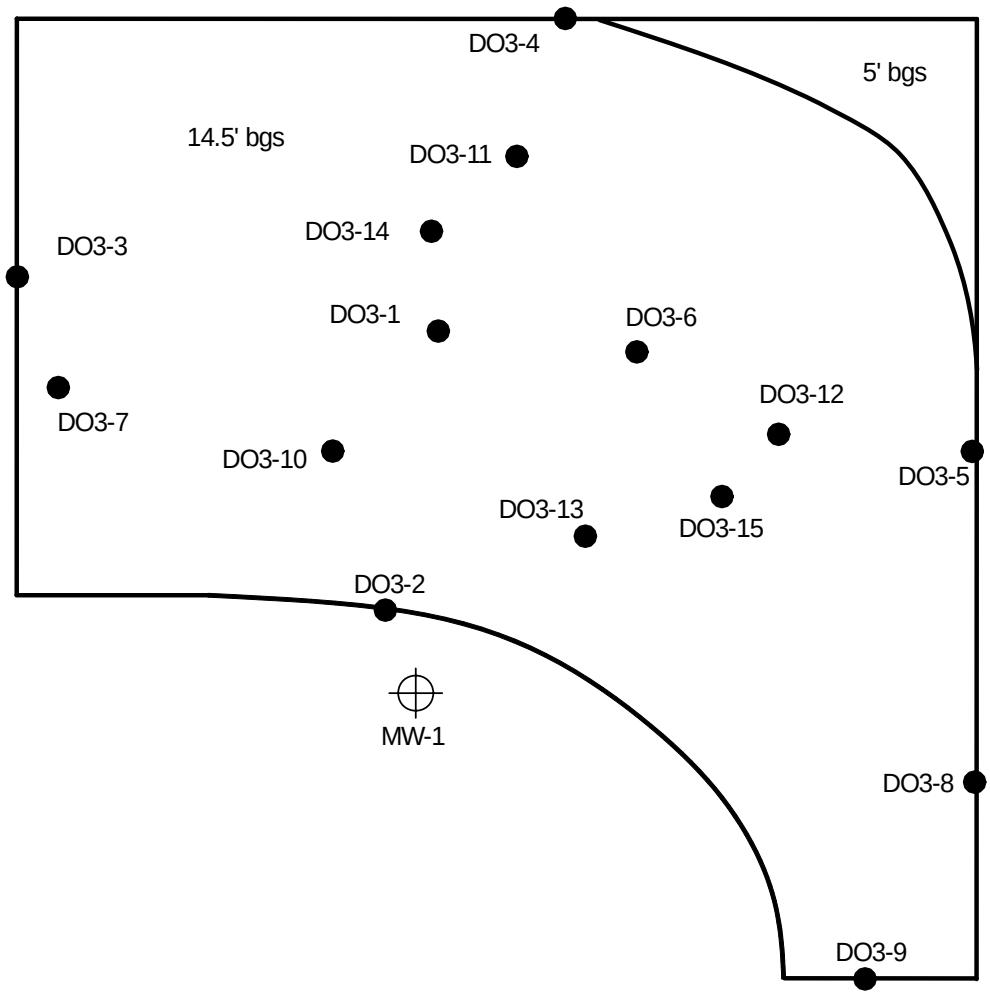
Project Number 717-3

January 4, 2008

Figure 3

Building Pad Excavation and
Soil Sample Location Map
461 McGraw Avenue
Livermore, California

DO3 Excavation Area

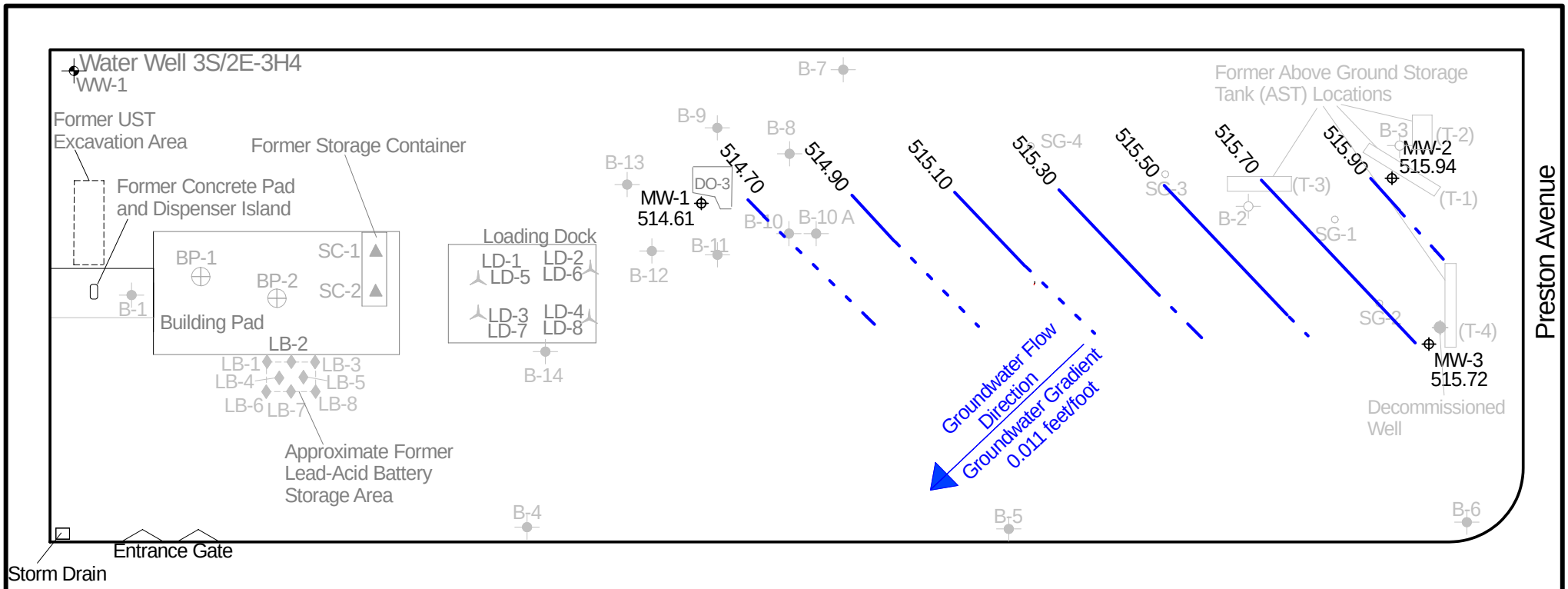


LEGEND	
MW-1	Monitoring Well Location
DO3-10	Confirmation Soil Sample Location
	Boundaries of Excavation
14.5' bgs	Depth of Excavation Below Ground Surface

Scale:
1" = 5'

0 5

Environmental Investigation Services, Inc. 170 Knowles Drive, Suite 212, Los Gatos, California 95032 Phone: (408) 871-1470 Fax: (408) 871-1520	Project Number 717-3 January 11, 2008	Figure 4 Excavation Boundaries and Confirmation Sample Locations for Excavation DO3 461 McGraw Avenue Livermore, California



N

Scale:
1" = 60'
0 60

LEGEND

- Water Well
- WW-1 Well Water Sample
- B-4 Soil Boring
- BP-2 Building Pad Sample
- LB-1 Former Lead-Acid Battery Storage Area Sample
- DO-7 Large Petroleum Hydrocarbon-Stained Area
- LD-4 Loading Dock Sample
- SC-2 Storage Container Sample
- MW-1 Monitoring Well Location
- SG-3 Soil Gas Sample Location
- Groundwater Countours
- Estimated Groundwater Countours

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite 212, Los Gatos, California 95032
Phone: (408) 871-1470 Fax: (408) 871-1520

Project Number 717-3

November 9, 2007

Groundwater Elevation Contour Map
Figure 5 461 McGraw Avenue
Livermore, California

ATTACHMENTS

Attachment A
Building Pad Soil Samples Laboratory Analytical Reports

McCampbell Analytical, Inc.
"When Quality Counts"

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: # 712-2; Cal Mae Transport	Date Sampled: 10/30/07
		Date Received: 10/30/07
	Client Contact: Peter Littman	Date Reported: 10/31/07
	Client P.O.:	Date Completed: 10/31/07

WorkOrder: 0710935

October 31, 2007

Dear Peter:

Enclosed are:

1). the results of **10** analyzed samples from your **# 712-2; Cal Mae Transport project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0710935

48 HRS

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☑ 48 HR ☐ 72 HR ☐ 5 DAY

GeoTracker EDF ☑ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

RUSH

Report To: EIS	Bill To: EIS		
Company: Environmental Investigation Services Inc.			
170 Knowles Drive, Los Gatos, California	E-Mail: PJHuman@EISI.net		
Tele: (408) 871-1470	Fax: (408) 871-1520		
Project #: 712-2	Project Name: Cal Mae Transport		
Project Location: 461 MacGrath Avenue, Livermore, CA			
Sampler Signature: Paul Human			

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
	AX-1	10/30/03	14:45	1	SS		X				X			
	AX-2	"	14:15	1	"		X				X			
	AX-3	"	14:05	1	"		X				X			
	AX-4	"	13:55	1	"		X				X			
	AX-5	"	14:55	1	"		X				X			
	AX-6	"	15:10	1	"		X				X			
	AX-7	"	15:20	1	"		X				X			
	AX-8	"	15:18	1	"		X				X			
	AX-9	"	15:15	1	"		X				X			
	AX-10	"	13:45	1	"		X				X			

Analysis Request	Other	Comments
BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE; TPH as Diesel (8015); Total Petroleum Oil & Grease (1664 / 5520 E/B&F); Total Petroleum Hydrocarbons (418.1); EPA 502.2 / 601 / 8010 / 8021 (HVOCs); MTBE / BTEX ONLY (EPA 602 / 8021); EPA 505/ 608 / 8081 (Cl Pesticides); EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners; EPA 507 / 8141 (NP Pesticides); EPA 515 / 8151 (Acidic Cl Herbicides); EPA 524.2 / 624 / 8260 (VOCs); EPA 525.2 / 625 / 8270 (SVOCs); EPA 8270 SIM / 8310 (PAHs / PNAs); CAM 17 Metals (200.7 / 200.8 / 6010 / 6020); LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020); Lead (200.7 / 200.8 / 6010 / 6020)	ARSENIC-EPA 6010 B	Filter Samples for Metals analysis: Yes / No
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	
	X	

Relinquished By: Paul Human	Date: 10/30	Time: 5:30	Received By:
Relinquished By: Paul Human	Date: 10/30	Time: 7:30	Received By: Denk Castro
Relinquished By: Denk Castro	Date: 10/30	Time: 7:59	Received By: K. BURKE

ICE/t° 4.0

GOOD CONDITION ✓

HEAD SPACE ABSENT ✓

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS:

48 HRS.

OK

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0710935 **ClientID: EISI**

☑ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: # 712-2; Cal Mae Transport
PO:

Bill to:
Barbar
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 2 days

Date Received: **10/30/2007**
Date Printed: **11/01/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0710935-001	AX-1	Soil	10/30/07 2:45:00	☐	A	A										
0710935-002	AX-2	Soil	10/30/07 2:15:00	☐	A											
0710935-003	AX-3	Soil	10/30/07 2:05:00	☐	A											
0710935-004	AX4	Soil	10/30/07 1:55:00	☐	A											
0710935-005	AX-5	Soil	10/30/07 2:55:00	☐	A											
0710935-006	AX-6	Soil	10/30/07 3:10:00	☐	A											
0710935-007	AX-7	Soil	10/30/07 3:20:00	☐	A											
0710935-008	AX-8	Soil	10/30/07 3:18:00	☐	A											
0710935-009	AX-9	Soil	10/30/07 3:15:00	☐	A											
0710935-010	AX-10	Soil	10/30/07 1:45:00	☐	A											

Test Legend:

1	ASMS_S	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments:

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

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **10/30/2007 5:20:44 PM**

Project Name: **# 712-2; Cal Mae Transport** Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0710935** Matrix Soil Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 16.0°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: # 712-2; Cal Mae Transport	Date Sampled: 10/30/07
		Date Received: 10/30/07
	Client Contact: Peter Littman	Date Extracted: 10/30/07
	Client P.O.:	Date Analyzed: 10/31/07

Arsenic by ICP-MS*

Extraction method: SW3050B Analytical methods: 6020A Work Order: 0710935

Lab ID	Client ID	Matrix	Extraction Type	Arsenic	DF	% SS
0710935-001A	AX-1	S	TOTAL	4.1	1	102
0710935-002A	AX-2	S	TOTAL	4.0	1	101
0710935-003A	AX-3	S	TOTAL	6.2	1	96
0710935-004A	AX4	S	TOTAL	4.2	1	101
0710935-005A	AX-5	S	TOTAL	4.3	1	100
0710935-006A	AX-6	S	TOTAL	6.0	1	98
0710935-007A	AX-7	S	TOTAL	3.5	1	103
0710935-008A	AX-8	S	TOTAL	5.1	1	99
0710935-009A	AX-9	S	TOTAL	3.8	1	103
0710935-010A	AX-10	S	TOTAL	4.5	1	97

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

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0710935

EPA Method 6020A			Extraction SW3050B			BatchID: 31628			Spiked Sample ID 0710935-001A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Arsenic	4.1	50	97.9	95.1	2.67	10	101	103	1.67	70 - 130	20	80 - 120	20
%SS:	102	250	104	105	0.839	250	101	102	1.10	70 - 130	20	70 - 130	20

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

BATCH 31628 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710935-001A	10/30/07 2:45 PM	10/30/07	10/31/07 4:00 PM	0710935-002A	10/30/07 2:15 PM	10/30/07	10/31/07 4:26 PM
0710935-003A	10/30/07 2:05 PM	10/30/07	10/31/07 4:31 PM	0710935-004A	10/30/07 1:55 PM	10/30/07	10/31/07 4:37 PM
0710935-005A	10/30/07 2:55 PM	10/30/07	10/31/07 5:08 PM	0710935-006A	10/30/07 3:10 PM	10/30/07	10/31/07 5:14 PM
0710935-007A	10/30/07 3:20 PM	10/30/07	10/31/07 5:20 PM	0710935-008A	10/30/07 3:18 PM	10/30/07	10/31/07 5:25 PM
0710935-009A	10/30/07 3:15 PM	10/30/07	10/31/07 5:31 PM	0710935-010A	10/30/07 1:45 PM	10/30/07	10/31/07 5:37 PM

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

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

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

N/A = not applicable to this method.

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

Attachment B
DO3 Soil Samples Laboratory Analytical Reports

McCampbell Analytical, Inc.
"When Quality Counts"

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-2; Cal Mac Transportation	Date Sampled: 10/29/07
		Date Received: 10/29/07
	Client Contact: Peter Littman	Date Reported: 10/30/07
	Client P.O.:	Date Completed: 10/31/07

WorkOrder: 0710910

October 31, 2007

Dear Peter:

Enclosed are:

1). the results of **7** analyzed samples from your **#717-2; Cal Mac Transportation project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0710910

RUSH

24 HRS

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☑ 24 HR ☐ 48 HR ☑ 72 HR ☐ 5 DAY

GeoTracker EDF ☑ **PDF** ☑ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To: EIS	**Bill To:** EIS
Company: Environmental Investigation Services Inc	
170 Knowles Drive, Los Gatos, California	**E-Mail:** pli.human@eisi.net
Tele: (408) 871-1470	**Fax:** (408) 871-1520
Project #: 7/2-2	**Project Name:** Cal Mac Transp
Project Location: 461 McGrath Avenue, Livermore, C	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
	D03-8	10/29/07	15:10	1	SS		X				X			
	D03-9	"	15:35	1	"		X				X			
	D03-10	"	13:54	1	"		X				X			
	D03-11	"	13:45	1	"		X				X			
	D03-12	"	14:00	1	"		X				X			
	D03-13	"	15:00	1	"		X				X			
	COMP-E4	"	9:15	1	"		X				X			

Analysis Request

BTEX & TPH as Gas (8021B/8015B) MTBE	TPH as Diesel (8015B)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 8260B (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X	X													
X	X													
X	X													
X	X													
X	X													
X	X													
										X				

Other: 8260B-VOC; TTLC 22 Metals 6010B

Comments: Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	10/29/07	3:30	
Relinquished By:	Date:	Time:	Received By:
	10/29/07	3:30	
Relinquished By:	Date:	Time:	Received By:
	10/29/07	17:00	

ICE/t° 8.4
GOOD CONDITION yes
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS yes
PRESERVED IN LAB

COMMENTS:

VOAS O&G METALS OTHER
PRESERVATION pH<2

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0710910 **ClientID: EISI**

☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: #712-2; Cal Mac Transportation
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 1 day

Date Received: **10/29/2007**
Date Printed: **10/29/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0710910-001	D03-8	Soil	10/29/07 3:10:00	☐			A	A	A							
0710910-002	D03-9	Soil	10/29/07 1:35:00	☐			A		A							
0710910-003	D03-10	Soil	10/29/07 1:54:00	☐			A		A							
0710910-004	D03-11	Soil	10/29/07 1:45:00	☐			A		A							
0710910-005	D03-12	Soil	10/29/07 2:00:00	☐			A		A							
0710910-006	D03-13	Soil	10/29/07 3:00:00	☐			A		A							
0710910-007	COMP- E4	Soil	10/29/07 9:15:00	☐	A	A										

Test Legend:

1	8260B_S	2	CAM17MS_S	3	G-MBTEX_S	4	PREDF REPORT	5	TPH(DMO)_S
6		7		8		9		10	
11		12							

Prepared by: Rosa Venegas

Comments:

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

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

Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **10/29/07 7:28:05 PM**

Project Name: **#712-2; Cal Mac Transportation** Checklist completed and reviewed by: Rosa Venegas

WorkOrder N°: **0710910** Matrix Soil Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 8.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In	Client Project ID: #717-2; Cal Mac Transportation	Date Sampled: 10/29/07
		Date Received: 10/29/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 10/29/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed: 10/29/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0710910

Lab ID	0710910-007A
Client ID	COMP- E4
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	99	%SS2:	100
%SS3:	110		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Environmental Investigation Services, In	Client Project ID: #717-2; Cal Mac Transportation	Date Sampled: 10/29/07
		Date Received: 10/29/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted 10/29/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed: 10/31/07

CAM / CCR 17 Metals*

Lab ID	0710910-007A				Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	COMP- E4					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0710910

Dilution Factor	1				1	1
Antimony	0.71				0.5	NA
Arsenic	6.7				0.5	NA
Barium	290				5.0	NA
Beryllium	ND				0.5	NA
Cadmium	0.44				0.25	NA
Chromium	41				0.5	NA
Cobalt	11				0.5	NA
Copper	26				0.5	NA
Lead	25				0.5	NA
Mercury	0.054				0.05	NA
Molybdenum	0.52				0.5	NA
Nickel	48				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	49				0.5	NA
Zinc	110				5.0	NA
%SS:	105					

Comments

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Environmental Investigation Services, In	Client Project ID: #717-2; Cal Mac Transportation	Date Sampled: 10/29/07
170 Knowles Drive, Suite 212		Date Received: 10/29/07
Los Gatos, CA 95032	Client Contact: Peter Littman	Date Extracted 10/29/07
	Client P.O.:	Date Analyzed: 10/29/07-10/30/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0710910

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	D03-8	S	ND	ND	ND	ND	ND	ND	1	76
002A	D03-9	S	ND	ND	ND	ND	ND	ND	1	98
003A	D03-10	S	43,g	ND<1.0	ND<0.10	ND<0.10	ND<0.10	ND<0.10	20	84
004A	D03-11	S	120,g	ND<1.0	ND<0.10	ND<0.10	ND<0.10	ND<0.10	20	121
005A	D03-12	S	33,g	ND<0.50	ND<0.050	ND<0.050	ND<0.050	ND<0.050	10	87
006A	D03-13	S	ND	ND	ND	ND	ND	ND	1	86

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Environmental Investigation Services, In 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-2; Cal Mac Transportation	Date Sampled: 10/29/07
		Date Received: 10/29/07
	Client Contact: Peter Littman	Date Extracted 10/29/07
	Client P.O.:	Date Analyzed: 10/30/07

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0710910

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0710910-001A	D03-8	S	ND	ND	1	
0710910-002A	D03-9	S	ND	ND	1	
0710910-003A	D03-10	S	110,a	55	1	
0710910-004A	D03-11	S	840,a	320	1	
0710910-005A	D03-12	S	880,a	320	1	
0710910-006A	D03-13	S	16,a	9.7	1	

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

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) mineral oil; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0710910

EPA Method SW8260B	Extraction SW5030B	BatchID: 31530	Spiked Sample ID: 0710791-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	99.8	103	3.17	97.7	100	2.45	70 - 130	30	70 - 130	30
Benzene	ND	0.050	99.7	105	4.99	102	102	0	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	89.7	81.4	9.70	83.9	80.9	3.64	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	118	123	4.05	123	123	0	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	117	117	0	113	114	1.04	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	109	109	0	106	107	1.77	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	115	120	3.97	114	117	2.32	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	95.3	99.7	4.52	94.3	96.7	2.55	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	96.6	99	2.44	93.9	95.9	2.02	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	104	102	1.61	96.9	98.4	1.53	70 - 130	30	70 - 130	30
Toluene	ND	0.050	101	106	4.63	105	104	1.44	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	88.8	91.5	2.97	90.7	90.4	0.295	70 - 130	30	70 - 130	30
%SS1:	94	0.050	103	100	3.32	100	100	0	70 - 130	30	70 - 130	30
%SS2:	102	0.050	101	101	0	100	99	1.35	70 - 130	30	70 - 130	30
%SS3:	111	0.050	100	104	3.51	102	102	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31530 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710910-007A	10/29/07 9:15 AM	10/29/07	10/29/07 10:46 PM				

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

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

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

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

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

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0710910

EPA Method 6020A **Extraction SW3050B** **BatchID: 31611** **Spiked Sample ID 0710910-007A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	0.71	50	103	100	2.33	10	99.6	99.6	0	70 - 130	20	80 - 120	20
Arsenic	6.7	50	100	100	0	10	102	103	1.46	70 - 130	20	80 - 120	20
Barium	290	500	108	103	2.96	100	100	100	0	70 - 130	20	80 - 120	20
Beryllium	ND	50	92.8	90.9	2.11	10	103	104	1.45	70 - 130	20	80 - 120	20
Cadmium	0.44	50	101	97.6	3.43	10	101	101	0	70 - 130	20	80 - 120	20
Chromium	41	50	95.2	91.9	1.86	10	100	100	0	70 - 130	20	80 - 120	20
Cobalt	11	50	95.3	93.3	1.69	10	106	106	0	70 - 130	20	80 - 120	20
Copper	26	50	101	99.1	1.19	10	104	102	1.65	70 - 130	20	80 - 120	20
Lead	25	50	105	113	5.03	10	103	104	1.16	70 - 130	20	80 - 120	20
Mercury	0.054	1.25	87.4	86	1.49	0.25	83.9	85.3	1.61	70 - 130	20	80 - 120	20
Molybdenum	0.52	50	101	97.9	2.87	10	97.8	98.6	0.794	70 - 130	20	80 - 120	20
Nickel	48	50	106	101	2.37	10	104	105	1.06	70 - 130	20	80 - 120	20
Selenium	ND	50	101	99.8	0.914	10	103	102	1.27	70 - 130	20	80 - 120	20
Silver	ND	50	104	101	3.03	10	96.6	98.4	1.85	70 - 130	20	80 - 120	20
Thallium	ND	50	100	98.1	2.15	10	100	102	1.09	70 - 130	20	80 - 120	20
Vanadium	49	50	97.3	93.9	1.75	10	99.5	98.8	0.635	70 - 130	20	80 - 120	20
Zinc	110	500	104	101	2.43	100	100	100	0	70 - 130	20	80 - 120	20
%SS:	105	250	110	107	3.50	250	103	102	0.587	70 - 130	20	70 - 130	20

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

BATCH 31611 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710910-007A	10/29/07 9:15 AM	10/29/07 10/31/07 12:41 AM					

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

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

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

N/A = not applicable to this method.

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

DHS ELAP Certification N° 1644 QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0710910

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 31576	Spiked Sample ID: 0710795-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	105	2.29	111	108	2.87	70 - 130	30	70 - 130	30
MTBE	ND	0.10	104	104	0	109	118	7.81	70 - 130	30	70 - 130	30
Benzene	ND	0.10	96.9	101	3.99	106	108	1.02	70 - 130	30	70 - 130	30
Toluene	ND	0.10	87.7	90.8	3.43	98.9	101	1.83	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	97.7	102	3.99	108	109	1.44	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	95.7	96.7	1.04	107	107	0	70 - 130	30	70 - 130	30
%SS:	88	0.10	86	90	4.58	95	96	1.00	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31576 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710910-001A	10/29/07 3:10 PM	10/29/07	10/30/07 10:34 AM	0710910-002A	10/29/07 1:35 PM	10/29/07	10/29/07 10:40 PM
0710910-003A	10/29/07 1:54 PM	10/29/07	10/30/07 12:55 AM	0710910-004A	10/29/07 1:45 PM	10/29/07	10/30/07 12:21 AM
0710910-005A	10/29/07 2:00 PM	10/29/07	10/30/07 7:59 AM	0710910-006A	10/29/07 3:00 PM	10/29/07	10/29/07 11:14 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0710910

EPA Method SW8015C	Extraction SW3550C	BatchID: 31577	Spiked Sample ID: 0710795-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	9.8	20	114	108	3.68	115	115	0	70 - 130	30	70 - 130	30
%SS:	105	50	105	104	1.25	91	114	22.3	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31577 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0710910-001A	10/29/07 3:10 PM	10/29/07	10/30/07 8:13 AM	0710910-002A	10/29/07 1:35 PM	10/29/07	10/30/07 8:13 AM
0710910-003A	10/29/07 1:54 PM	10/29/07	10/30/07 9:23 AM	0710910-004A	10/29/07 1:45 PM	10/29/07	10/30/07 9:23 AM
0710910-005A	10/29/07 2:00 PM	10/29/07	10/30/07 8:39 AM	0710910-006A	10/29/07 3:00 PM	10/29/07	10/30/07 10:41 AM

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

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

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

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

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

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: # 707-3A; Cal Mae Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
	Client Contact: Peter Littman	Date Reported: 11/19/07
	Client P.O.:	Date Completed: 11/19/07

WorkOrder: 0711339

November 19, 2007

Dear Peter:

Enclosed are:

1). the results of **2** analyzed samples from your **# 707-3A; Cal Mae Transportation project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0711339

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

GeoTracker EDF ☑ **PDF** ☑ **Excel** ☐ **Write On (DW)** ☐

☐ Check if sample is effluent and "J" flag is required

Report To:	Peter Pittman **Bill To:** EIS
Company:	Environmental Investigation Services
	170 Knowles drive, Los Gatos, California
	E-Mail: PPittman2@sbcglobal.net
Tele:	(408) 871-1470 **Fax:** (408) 871-1520
Project #:	707-3A **Project Name:** Calmec Transmission
Project Location:	461 MacGregor Avenue, Livermore, CA
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
	D03-14	11/13/07	13:25	1	SS		X				X			
	D03-15	"	13:30	1	SS		X				X			

Analysis Request

BTEX & TPH as Gas (602 / 8021) / MTBE (8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X	X														
X	X														

Other

Comments

Filter Samples for Metals analysis: Yes / No

Relinquished By:	Date:	Time:	Received By:
	11/13/07	15:50	
Relinquished By:	Date:	Time:	Received By:
	11/14/07	1000	K. BURKS
Relinquished By:	Date:	Time:	Received By:

ICE/t° 12/9
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711339 **ClientID: EISI**

☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: # 707-3A; Cal Mae Transportation
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days

Date Received: **11/13/2007**
Date Printed: **11/13/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0711339-001	D03-14	Soil	11/13/2007	☐	A	A	A									
0711339-002	D03-15	Soil	11/13/2007	☐	A		A									

Test Legend:

1	G-MBTEX_S	2	PREDF REPORT	3	TPH(DMO)_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

Comments:

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

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Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **11/13/2007 7:38:21 PM**

Project Name: **# 707-3A; Cal Mae Transportation** Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0711339** Matrix Soil Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 12.9°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In	Client Project ID: # 707-3A; Cal Mae Transportation	Date Sampled: 11/13/07
170 Knowles Drive, Suite 212		Date Received: 11/13/07
Los Gatos, CA 95032	Client Contact: Peter Littman	Date Extracted: 11/13/07
	Client P.O.:	Date Analyzed 11/14/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0711339

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	D03-14	S	ND	ND	ND	ND	ND	ND	1	95
002A	D03-15	S	ND	ND	ND	ND	ND	ND	1	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

Environmental Investigation Services, In 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: # 707-3A; Cal Mae Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
	Client Contact: Peter Littman	Date Extracted: 11/13/07
	Client P.O.:	Date Analyzed 11/15/07

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0711339

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0711339-001A	D03-14	S	ND	ND	1	108
0711339-002A	D03-15	S	1.8,a	ND	1	108

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

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) mineral oil; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711339

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 31866	Spiked Sample ID: 0711313-005A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	103	107	4.46	113	105	7.13	70 - 130	30	70 - 130	30
MTBE	ND	0.10	98.8	90.9	8.43	89	90.3	1.37	70 - 130	30	70 - 130	30
Benzene	ND	0.10	97.9	86.8	12.0	88	93.6	6.21	70 - 130	30	70 - 130	30
Toluene	ND	0.10	101	94.1	7.40	93.6	99.2	5.72	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	118	109	7.84	109	116	6.15	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	113	107	6.06	107	113	6.06	70 - 130	30	70 - 130	30
%SS:	92	0.10	101	90	11.2	94	100	6.32	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31866 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711339-001A	11/13/07 1:25 PM	11/13/07	11/14/07 5:16 PM	0711339-002A	11/13/07 1:30 PM	11/13/07	11/14/07 5:46 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711339

EPA Method SW8015C	Extraction SW3550C	BatchID: 31820	Spiked Sample ID: 0711244-002a

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	18	20	123	87.8	17.9	115	115	0	70 - 130	30	70 - 130	30
%SS:	91	50	90	73	20.7	93	92	0.307	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31820 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711339-001A	11/13/07 1:25 PM	11/13/07	11/15/07 10:08 PM	0711339-002A	11/13/07 1:30 PM	11/13/07	11/15/07 11:17 PM

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

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

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

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

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

Attachment C
Decommission Well Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 461 McGraw Avenue
Livermore, California

California Coordinates Source _____ ft. Accuracy • • _____ ft
CCN _____ ft. CCE _____ ft
APN 99-40-5-2

CLIENT
Name Estate of Crandall Mackey C/O Holton Hass - Mr. Scott Fooks
Address 205 E. Anapamu Street Phone 805 965 7014
City Santa Barbara, CA Zip 93101

APPLICANT
Name Environmental Investigation Services Inc.
Email plittman@eisbay.net Fax 408 871 1520
Address 170 Knowles Drive #212 Phone 408 871 1475
City Los Gatos CA Zip 95032

TYPE OF PROJECT:

Well Construction	• •	Geotechnical Investigation	• •
Well Destruction	X	Contamination Investigation	• •
Cathodic Protection	• •	Other _____	• •

PROPOSED WELL USE:

Domestic	• •	Irrigation	• •
Municipal	• •	Remediation	• •
Industrial	• •	Groundwater Monitoring	• •
Dewatering	• •	Other _____	• •

DRILLING METHOD:

Mud Rotary	X	Air Rotary	• •	Hollow Stem Auger	• •
Cable Tool	• •	Direct Push	• •	Other _____	• •

DRILLING COMPANY Exploration Drilling Services
DRILLER'S LICENSE NO. 431604

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum 70
Casing Diameter 2 in Depth unknown ft
Surface Seal Depth 22 ft. Number _____

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in Depth _____ ft

ESTIMATED STARTING DATE 11/1/07
ESTIMATED COMPLETION DATE 11/2/07

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No 73-68.

APPLICANT'S SIGNATURE _____ Date 10/29/07
Allen Waldmen
ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 27193
WELL NUMBER 3S/2E-3H5
APN 099-0040-005-02

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead

C GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC Fill hole above anode zone with concrete placed by tremie

(F) WELL DESTRUCTION. See attached

G SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 11/2/07
Wyman Hong

Attachment D
Monitoring Well Permit

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 461 Clo Ranch Avenue
Livermore CA

California Coordinates Source ____ ____ ft Accuracy ____ ____ ft
CCN ____ ft COE ____
APN ____

CLIENT
Name Estate of Crandall Mackey c/o Welden Hass - Mr. Scott Fanks
Address 205 E. Anapamu Street Phone 805 965 5014
City Santa Barbara CA Zip 93101

APPLICANT
Name ____
Email ____ Fax ____
Address 170 Kramer Dr Phone 891 1422
City Livermore CA Zip 95032

TYPE OF PROJECT:

Well Construction	X	Geotechnical Investigation	··
Well Destruction	··	Contamination Investigation	··
Cathodic Protection	··	Other ____	··

PROPOSED WELL USE:

Domestic	··	Irrigation	··
Municipal	··	Remediation	··
Industrial	··	Groundwater Monitoring	X
Dewatering	··	Other ____	··

DRILLING METHOD

Mud Rotary	··	Air Rotary	··	Hollow Stem Auger	X
Cable Tool	··	Direct Push	··	Other ____	··

DRILLING COMPANY ____
DRILLER'S LICENSE NO. 484432

WELL SPECIFICATIONS
Drill Hole Diameter ____ in Maximum
Casing Diameter ____ in Depth ____ ft
Surface Seal Depth ____ ft Number ____ TO MW-3

SOIL BORINGS
Number of Borings ____ Maximum
Hole Diameter ____ in Depth ____

ESTIMATED STARTING DATE Nov 5, 2007
ESTIMATED COMPLETION DATE Nov 6, 2007

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE ____ Date ____

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 27194
WELL NUMBER 3S/2E-5H6 to 5H8 (MW-1 to MW-3)
APN 099-0040-005-02

PERMIT CONDITIONS
Circled Permit Requirements Apply

(A) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects
3. Permit is void if project not begun within 90 days of approval date

B WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

(C) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie

D GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F WELL DESTRUCTION. See attached

G SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well construction report including all soil and water laboratory analysis results.

Approved Wyman Hong Date 11/2/07
Wyman Hong

Attachment E
Monitoring Well Boring Logs

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-1

MONITORING WELL LOG

Project Name: **Cal Mac Transportation**
Site Location: **461 McGraw Avenue Livermore, CA**
Job Number: **717-3A**
Logged By: **Panindhar R. Krishnamraju, Ph.D.**
Dates Drilled: **11/05/2007**

Drilling Company: **Exploration Geoservices**
Boring Dia: **8 inch**
Boring Depth: **20 feet**
Method of Drilling: **Hollow Stem Auger**
Sampling Method: **California Split Spoon**

Water level during drilling : **11.5 feet bgl**
Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
0		CL	CL: dark brown, dry, soft, medium plasicity, no odor.					Concrete seal
								Bentonite
					9			
					11			
-5			CL: yellowish brown, moist, medium soft, medium plasticity, slight diesel odor.		19			Backfilled with sand.
								Screened interval from -7' to -20'
					7			
					9			
				MW-1 9.5-10.0	16			
-10								

NOTES:

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-1

MONITORING WELL LOG

Project Name: **Cal Mac Transportation**
Site Location: **461 McGraw Avenue Livermore, CA**
Job Number: **717-3A**
Logged By: **Panindhar R. Krishnamraju, Ph.D.**
Dates Drilled: **11/05/2007**

Drilling Company: **Exploration Geoservices**
Boring Dia: **8 inch**
Boring Depth: **20 feet**
Method of Drilling: **Hollow Stem Auger**
Sampling Method: **California Split Spoon**

Water level during drilling : **11.5 feet bgl**
Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
10		CL	CL: yellowish brown, moist, loose, medium plasticity, slight diesel odor. @11.5 feet: wet	MW-1 14.5-15.0	6 6 10			
15			@ 18 feet: dry, hard, no odor.		14 14 23			
20			End of Boring at 20 feet bgl.					

NOTES:

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-2

MONITORING WELL LOG

Project Name: **Cal Mac Transportation**
Site Location: **461 McGraw Avenue Livermore, CA**
Job Number: **717-3A**
Logged By: **Panindhar R. Krishnamraju, Ph.D.**
Dates Drilled: **11/05/2007**

Drilling Company: **Exploration Geoservices**
Boring Dia: **8 inch**
Boring Depth: **20'**
Method of Drilling: **Hollow Stem Auger**
Sampling Method: **California Split Spoon**

Water level during drilling : **18.5 feet bgl**
Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
0			GRAVEL: gravel base rock					Concrete seal
			CL: Clay, very dark brown, low plasicity, soft, no odor, dry.					Bentonite
					6			
				MW-2 4.5-5.0	4			
-5		CL			6			Backfilled with sand.
			CL: Lean Clay, yellowish brown, caliche rich, medium plasticity, medium soft, no odor, moist.					
								Screened interval from -7' to -20'
					7			
					11			
				MW-2 9.5-10.0	17			
-10								

NOTES:

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-2

MONITORING WELL LOG

Project Name:	**Cal Mac Transportation**	Drilling Company:	**Exploration Geoservices**
Site Location:	**461 McGraw Avenue Livermore, CA**	Boring Dia:	**8 inch**
Job Number:	**717-3A**	Boring Depth:	**20'**
Logged By:	**Panindhar R. Krishnamraju, Ph.D.**	Method of Drilling:	**Hollow Stem Auger**
Dates Drilled:	**11/05/2007**	Sampling Method:	**California Split Spoon**

Water level during drilling : **18.5 feet bgl** Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
10		CL	Lean Clay, yellowish brown, caliche rich, medium plasticity, medium soft, no odor, moist.	MW-2 14.5-15.0	6 7 8			
15		SC	SC: Clayey Sand, yellowish brown, 70% fine sand, 30% fines with low plasticity, slight diesel odor, wet. End of boring @ 20' bgs.	MW-2 18.0-18.5	10 13 18			
20								

NOTES:

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-3

MONITORING WELL LOG

Project Name: **Cal Mac Transportation**
Site Location: **461 McGraw Avenue Livermore, CA**
Job Number: **717-3A**
Logged By: **Panindhar R. Krishnamraju, Ph.D.**
Dates Drilled: **11/05/2007**

Drilling Company: **Exploration Geoservices**
Boring Dia: **8 inch**
Boring Depth: **20'**
Method of Drilling: **Hollow Stem Auger**
Sampling Method: **California Split Spoon**

Water level during drilling : **17 feet bgl**
Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
0			GRAVEL: gravel base rock					Concrete seal
			CL: Clay, very dark brown, low plasicity, hard, no odor, dry.					
			CL: Clay, yellowish brown, medium soft, medium plasticity, slight diesel odor, dry.		23			Bentonite
				MW-3 4.5-5.0	28			
-5		CL			24			Backfilled with sand.
								Screened interval from -7' to -20'
					10			
					14			
				MW-3 9.5-10.0	19			
-10								

NOTES:

Environmental Investigation Services, Inc.
170 Knowles Drive, Suite# 212
Los Gatos, California 95032
Ph: (408) 871-1470 Fax: (408) 871-1520

Well Number

MW-3

MONITORING WELL LOG

Project Name: **Cal Mac Transportation**
Site Location: **461 McGraw Avenue Livermore, CA**
Job Number: **717-3A**
Logged By: **Panindhar R. Krishnamraju, Ph.D.**
Dates Drilled: **11/05/2007**

Drilling Company: **Exploration Geoservices**
Boring Dia: **8 inch**
Boring Depth: **20'**
Method of Drilling: **Hollow Stem Auger**
Sampling Method: **California Split Spoon**

Water level during drilling : **17 feet bgl**
Water level in completed well : **Not Measured**

Depth	Lithology	USCS	Soil Description	Sample Number	Blow Counts	PID	Boring Completion	Well Description
10			Clay Continued, no odor, dry.					
					7			
				MW-3 14.5-15.0	10			
15		CL			14			
			@17 feet; black spots, wet					
					9			
					13			
				MW-3 18.0-18.5	15			
			End of boring @20' bgs					
20								

NOTES:

Attachment F

Monitoring Well Boring Soil Samples Laboratory Analytical Reports

McCampbell Analytical, Inc.
"When Quality Counts"

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-3A; Cal Mac Transport	Date Sampled: 11/05/07
		Date Received: 11/05/07
	Client Contact: Peter Littman	Date Reported: 11/09/07
	Client P.O.:	Date Completed: 11/09/07

WorkOrder: 0711096

November 09, 2007

Dear Peter:

Enclosed are:

1). the results of **10** analyzed samples from your **#717-3A; Cal Mac Transport project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

EIS 071096

(1)

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

GeoTracker EDF ☑ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: EIS	Bill To: EIS		
Company: Environmental Investigation Services 170 Knowles Drive, Los Gatos, California	E-Mail:		
Tele: (408) 871-1470	Fax: (408)-871-1820		
Project #: 717-3A	Project Name: Cal Mac Transport		
Project Location: 461 McGrath Ave., Livermore, CA			
Sampler Signature: Paul			

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 / 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
	MW-1 (9.5-10)	11/5/07	8:51	1	SS		X				X				X	X									X						X	
	MW-1 (14.5-15.0)	"	9:10	1	SS		X				X				X	X									X						X	
	MW-2 (4.5-5.0)	"	9:50	1	SS		X				X				X	X									[redacted]						X	
	MW-2 (9.0-10.0)	"	9:55	1	SS		X				X				X	X									[redacted]						X	
	MW-2 (14.5-15.0)	"	10:00	1	SS		X				X				X	X									[redacted]						X	
	MW-2 (18.5-19.0)	"	10:05	1	SS		X				X				X	X									[redacted]						X	
	MW-3 (4.5-5.0)	"	10:45	1	SS		X				X				X	X									[redacted]						X	

Relinquished By:	Date:	Time:	Received By:
	11/6/07	9:15	
Relinquished By:	Date:	Time:	Received By:
	11/6	14:10	
Relinquished By:	Date: 11/5/07	Time: 7:22	Received By:

ICE/t° 6.2
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

VOAS O&G METALS OTHER
PRESERVATION pH<2

COMMENTS:
*8260 cancelled 11/6/07 per P.L. request.

Other: Title 22 metals 6010B

Comments: Filter Samples for Metals analysis: Yes / No

(2)

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY ☑

GeoTracker EDF ☐ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: ERS	Bill To: ERS
Company: Environmental Investigation Services	
	E-Mail:
Tele: ( )	Fax: ( )
Project #: 717-3A	Project Name: Cal Mac Tramp
Project Location: Livermore, 467 Mc Glincy	
Sampler Signature:	

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602 / 8021 / 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other Title 22 metals 6010	Comments
	MW-3 (9.5-10.0)	11/5/07	10:55	1	SS		X				X				X	X															X	
	MW-3 (14.5-15.0)	"	11:05	1	SS		X				X				X	X															X	
	MW-3 (18.5-19.0)	"	11:10	1	SS		X				X				X	X															X	

Relinquished By:	Date: 11/5/07	Time: 11:45	Received By:
Relinquished By:	Date: 11/5/07	Time:	Received By:
Relinquished By:	Date: 11/5/07	Time: 1720	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

VOAS O&G METALS OTHER
PRESERVATION_____ pH<2_____

COMMENTS:
* 8260 cancelled per P.L. request 11/6/07

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711096 **ClientID: EISI**

☑ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: #717-3A; Cal Mac Transport
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days

Date Received: **11/05/2007**
Date Printed: **11/08/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0711096-001	MW-1 (9.5-10)	Soil	11/05/07 8:51:00	☐	A	A	A	A	A							
0711096-002	MW-1(14.5-15.0)	Soil	11/05/07 9:10:00	☐	A	A	A		A							
0711096-003	MW-2 (4.5-5.0)	Soil	11/05/07 9:50:00	☐		A	A		A							
0711096-004	MW-2 (9.5-10.0)	Soil	11/05/07 9:55:00	☐		A	A		A							
0711096-005	MW-2 (14.5-15.0)	Soil	11/05/07 10:00:00	☐		A	A		A							
0711096-006	MW-2 (18.5-19.0)	Soil	11/05/07 10:15:00	☐		A	A		A							
0711096-007	MW-3 (4.5-5.0)	Soil	11/05/07 10:45:00	☐		A	A		A							
0711096-008	MW-3 (9.5-10.0)	Soil	11/05/07 10:55:00	☐		A	A		A							
0711096-009	MW-3 (14.5-15.0)	Soil	11/05/07 11:05:00	☐		A	A		A							
0711096-010	MW-3 (18.5-19.0)	Soil	11/05/07 11:10:00	☐		A	A		A							

Test Legend:

1	8260B_S	2	CAM17MS_S	3	G-MBTEX_S	4	PREDF REPORT	5	TPH(DMO)_S
6		7		8		9		10	
11		12							

Prepared by: Elisa Venegas

Comments: VOCs cancelled 11/06/07 for sample 003A-010A per P.L.

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

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **11/5/07 5:50:01 PM**

Project Name: **#717-3A; Cal Mac Transport** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0711096** Matrix Soil Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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

Environmental Investigation Services, In	Client Project ID: #717-3A; Cal Mac Transport	Date Sampled: 11/05/07
		Date Received: 11/05/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/05/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/07/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0711096

Lab ID	0711096-001A
Client ID	MW-1 (9.5-10)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	95	%SS2:	95
%SS3:	114		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Environmental Investigation Services, In	Client Project ID: #717-3A; Cal Mac Transport	Date Sampled: 11/05/07
		Date Received: 11/05/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/05/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/07/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0711096

Lab ID	0711096-002A
Client ID	MW-1(14.5-15.0)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
Chloroform	ND	1.0	0.005	Chloromethane	ND	1.0	0.005
2-Chlorotoluene	ND	1.0	0.005	4-Chlorotoluene	ND	1.0	0.005
Dibromochloromethane	ND	1.0	0.005	1,2-Dibromo-3-chloropropane	ND	1.0	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	Dibromomethane	ND	1.0	0.005
1,2-Dichlorobenzene	ND	1.0	0.005	1,3-Dichlorobenzene	ND	1.0	0.005
1,4-Dichlorobenzene	ND	1.0	0.005	Dichlorodifluoromethane	ND	1.0	0.005
1,1-Dichloroethane	ND	1.0	0.005	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.005
1,1-Dichloroethene	ND	1.0	0.005	cis-1,2-Dichloroethene	ND	1.0	0.005
trans-1,2-Dichloroethene	ND	1.0	0.005	1,2-Dichloropropane	ND	1.0	0.005
1,3-Dichloropropane	ND	1.0	0.005	2,2-Dichloropropane	ND	1.0	0.005
1,1-Dichloropropene	ND	1.0	0.005	cis-1,3-Dichloropropene	ND	1.0	0.005
trans-1,3-Dichloropropene	ND	1.0	0.005	Diisopropyl ether (DIPE)	ND	1.0	0.005
Ethylbenzene	ND	1.0	0.005	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005
Freon 113	ND	1.0	0.1	Hexachlorobutadiene	ND	1.0	0.005
Hexachloroethane	ND	1.0	0.005	2-Hexanone	ND	1.0	0.005
Isopropylbenzene	ND	1.0	0.005	4-Isopropyl toluene	ND	1.0	0.005
Methyl-t-butyl ether (MTBE)	ND	1.0	0.005	Methylene chloride	ND	1.0	0.005
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005	Naphthalene	ND	1.0	0.005
Nitrobenzene	ND	1.0	0.1	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	92	%SS2:	98
%SS3:	119		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Environmental Investigation Services, In	Client Project ID: #717-3A; Cal Mac Transport	Date Sampled: 11/05/07
		Date Received: 11/05/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted 11/05/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed: 11/06/07

CAM / CCR 17 Metals*

Lab ID	0711096-001A	0711096-002A	0711096-003A	0711096-004A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	MW-1 (9.5-10)	MW-1(14.5-15.0)	MW-2 (4.5-5.0)	MW-2 (9.5-10.0)		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0711096

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	0.56	ND	0.5	NA
Arsenic	5.3	5.4	6.8	5.2	0.5	NA
Barium	180	150	260	260	5.0	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	35	30	40	35	0.5	NA
Cobalt	12	7.8	9.2	11	0.5	NA
Copper	19	16	23	20	0.5	NA
Lead	7.3	5.5	11	6.8	0.5	NA
Mercury	ND	ND	ND	ND	0.05	NA
Molybdenum	ND	ND	ND	ND	0.5	NA
Nickel	42	34	41	41	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	44	38	49	46	0.5	NA
Zinc	50	40	68	51	5.0	NA
%SS:	100	96	101	104		

Comments

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Los Gatos, CA 95032	Client P.O.:	Date Analyzed: 11/06/07

CAM / CCR 17 Metals*

Lab ID	0711096-005A	0711096-006A	0711096-007A	0711096-008A	Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	MW-2 (14.5-15.0)	MW-2 (18.5-19.0)	MW-3 (4.5-5.0)	MW-3 (9.5-10.0)		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0711096

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	ND	ND	0.5	NA
Arsenic	5.5	4.9	5.1	5.4	0.5	NA
Barium	180	270	110	170	5.0	NA
Beryllium	ND	ND	ND	0.52	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	32	33	34	53	0.5	NA
Cobalt	8.6	10	7.1	11	0.5	NA
Copper	19	20	16	20	0.5	NA
Lead	6.6	6.7	5.2	6.4	0.5	NA
Mercury	ND	ND	ND	ND	0.05	NA
Molybdenum	ND	ND	ND	ND	0.5	NA
Nickel	35	38	33	40	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	43	45	32	48	0.5	NA
Zinc	48	51	42	57	5.0	NA
%SS:	98	101	103	101		

Comments

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted 11/05/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed: 11/06/07

CAM / CCR 17 Metals*

Lab ID	0711096-009A	0711096-010A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	MW-3 (14.5-15.0)	MW-3 (18.5-19.0)				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0711096

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	5.3	6.0			0.5	NA
Barium	93	150			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	32	34			0.5	NA
Cobalt	5.8	11			0.5	NA
Copper	16	21			0.5	NA
Lead	4.9	7.6			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	ND	ND			0.5	NA
Nickel	28	40			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	40	42			0.5	NA
Zinc	45	50			5.0	NA
%SS:	102	100				

Comments

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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170 Knowles Drive, Suite 212		Date Received: 11/05/07
Los Gatos, CA 95032	Client Contact: Peter Littman	Date Extracted: 11/05/07
	Client P.O.:	Date Analyzed 11/06/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0711096

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1 (9.5-10)	S	ND	ND	ND	ND	ND	ND	1	91
002A	MW-1(14.5-15.0)	S	ND	ND	ND	ND	ND	ND	1	93
003A	MW-2 (4.5-5.0)	S	ND	ND	ND	ND	ND	ND	1	94
004A	MW-2 (9.5-10.0)	S	ND	ND	ND	ND	ND	ND	1	88
005A	MW-2 (14.5-15.0)	S	ND	ND	ND	ND	ND	ND	1	89
006A	MW-2 (18.5-19.0)	S	ND	ND	ND	ND	ND	ND	1	88
007A	MW-3 (4.5-5.0)	S	3.1,g	ND	ND	ND	ND	ND	1	86
008A	MW-3 (9.5-10.0)	S	ND	ND	ND	ND	ND	ND	1	88
009A	MW-3 (14.5-15.0)	S	ND	ND	ND	ND	ND	ND	1	82
010A	MW-3 (18.5-19.0)	S	ND	ND	ND	ND	ND	ND	1	82
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Environmental Investigation Services, In 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-3A; Cal Mac Transport	Date Sampled: 11/05/07
		Date Received: 11/05/07
	Client Contact: Peter Littman	Date Extracted: 11/05/07
	Client P.O.:	Date Analyzed 11/06/07

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0711096

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0711096-001A	MW-1 (9.5-10)	S	1.1,b	ND	1	88
0711096-002A	MW-1(14.5-15.0)	S	ND	ND	1	108
0711096-003A	MW-2 (4.5-5.0)	S	1.6,g,b	5.8	1	108
0711096-004A	MW-2 (9.5-10.0)	S	ND	ND	1	94
0711096-005A	MW-2 (14.5-15.0)	S	ND	ND	1	108
0711096-006A	MW-2 (18.5-19.0)	S	ND	ND	1	94
0711096-007A	MW-3 (4.5-5.0)	S	3.7,g,b	ND	1	93
0711096-008A	MW-3 (9.5-10.0)	S	ND	ND	1	92
0711096-009A	MW-3 (14.5-15.0)	S	ND	ND	1	92
0711096-010A	MW-3 (18.5-19.0)	S	ND	ND	1	105

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

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel (asphalt?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) mineral oil; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711096

EPA Method SW8260B	Extraction SW5030B	BatchID: 31715	Spiked Sample ID: 0710867-016A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	108	106	1.52	105	111	5.27	70 - 130	30	70 - 130	30
Benzene	ND	0.050	115	115	0	114	119	4.74	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	83.2	83.4	0.172	81	85.7	5.63	70 - 130	30	70 - 130	30
Chlorobenzene	ND	0.050	129	124	4.00	128	129	1.05	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	111	103	8.13	109	115	5.41	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	97.7	95.7	2.06	95.6	105	9.81	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	0.050	114	112	1.48	115	115	0	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	111	111	0	109	116	6.36	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	101	99.4	1.26	99.3	107	7.11	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	97.3	95	2.39	96.7	106	8.94	70 - 130	30	70 - 130	30
Toluene	ND	0.050	108	103	4.65	107	110	2.37	70 - 130	30	70 - 130	30
Trichloroethene	ND	0.050	94.3	96.5	2.32	94.5	103	8.31	70 - 130	30	70 - 130	30
%SS1:	86	0.050	93	95	1.72	93	98	5.25	70 - 130	30	70 - 130	30
%SS2:	98	0.050	93	92	1.25	94	95	0.610	70 - 130	30	70 - 130	30
%SS3:	113	0.050	96	94	1.38	96	96	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31715 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711096-001A	11/05/07 8:51 AM	11/05/07	11/07/07 10:55 AM	0711096-002A	11/05/07 9:10 AM	11/05/07	11/07/07 11:43 AM

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

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

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

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

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

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0711096

EPA Method 6020A **Extraction SW3050B** **BatchID: 31714** **Spiked Sample ID 0710867-021A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	110	110	0	10	98.3	98.9	0.619	70 - 130	20	80 - 120	20
Arsenic	7.3	50	113	112	0.425	10	101	101	0	70 - 130	20	80 - 120	20
Barium	320	500	118	118	0	100	99.9	100	0.280	70 - 130	20	80 - 120	20
Beryllium	0.70	50	89.4	89.1	0.243	10	97.3	96.9	0.350	70 - 130	20	80 - 120	20
Cadmium	ND	50	109	110	1.37	10	101	99.6	1.40	70 - 130	20	80 - 120	20
Chromium	64	50	98.5	97.3	0.532	10	91.2	93.9	2.93	70 - 130	20	80 - 120	20
Cobalt	12	50	92.7	92.7	0	10	102	102	0	70 - 130	20	80 - 120	20
Copper	39	50	112	111	0.392	10	96.5	98.7	2.26	70 - 130	20	80 - 120	20
Lead	13	50	109	111	1.51	10	100	100	0	70 - 130	20	80 - 120	20
Mercury	ND	1.25	90.6	92.6	2.12	0.25	81.2	81.8	0.687	70 - 130	20	80 - 120	20
Molybdenum	ND	50	110	111	1.10	10	97.3	98	0.747	70 - 130	20	80 - 120	20
Nickel	51	50	116	115	0.367	10	95.8	98.3	2.51	70 - 130	20	80 - 120	20
Selenium	0.70	50	111	109	1.47	10	100	101	1.19	70 - 130	20	80 - 120	20
Silver	ND	50	110	111	0.899	10	120	119	0.418	70 - 130	20	80 - 120	20
Thallium	ND	50	107	109	1.50	10	96.3	96.4	0.114	70 - 130	20	80 - 120	20
Vanadium	74	50	104	102	0.796	10	93.8	96.4	2.63	70 - 130	20	80 - 120	20
Zinc	77	500	115	116	1.22	100	111	113	1.78	70 - 130	20	80 - 120	20
%SS:	106	250	112	113	1.03	250	101	99	2.72	70 - 130	20	70 - 130	20

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

BATCH 31714 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711096-001A	11/05/07 8:51 AM	11/05/07	11/06/07 8:20 PM	0711096-002A	11/05/07 9:10 AM	11/05/07	11/06/07 8:53 PM
0711096-003A	11/05/07 9:50 AM	11/05/07	11/06/07 9:01 PM	0711096-004A	11/05/07 9:55 AM	11/05/07	11/06/07 9:08 PM
0711096-005A	11/05/07 10:00 AM	11/05/07	11/06/07 9:15 PM	0711096-006A	11/05/07 10:15 AM	11/05/07	11/06/07 9:23 PM
0711096-007A	11/05/07 10:45 AM	11/05/07	11/06/07 9:30 PM	0711096-008A	11/05/07 10:55 AM	11/05/07	11/06/07 9:37 PM
0711096-009A	11/05/07 11:05 AM	11/05/07	11/06/07 9:45 PM	0711096-010A	11/05/07 11:10 AM	11/05/07	11/06/07 9:52 PM

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

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

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

N/A = not applicable to this method.

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

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711096

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 31729** **Spiked Sample ID: 0711087-016A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	88.4	91.7	3.71	105	102	3.00	70 - 130	30	70 - 130	30
MTBE	ND	0.10	96.3	91	5.63	88.6	90.6	2.26	70 - 130	30	70 - 130	30
Benzene	ND	0.10	99.1	95.5	3.64	96.8	95.8	1.04	70 - 130	30	70 - 130	30
Toluene	ND	0.10	97.9	94.4	3.66	89	89.1	0.0821	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	105	101	3.67	99.2	100	1.01	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	117	113	2.90	91.7	91.7	0	70 - 130	30	70 - 130	30
%SS:	102	0.10	106	94	12.1	76	91	18.5	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31729 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711096-001A	11/05/07 8:51 AM	11/05/07	11/06/07 1:32 AM	0711096-002A	11/05/07 9:10 AM	11/05/07	11/06/07 2:05 AM
0711096-003A	11/05/07 9:50 AM	11/05/07	11/06/07 4:16 AM	0711096-004A	11/05/07 9:55 AM	11/05/07	11/06/07 4:49 AM
0711096-005A	11/05/07 10:00 AM	11/05/07	11/06/07 5:22 AM	0711096-006A	11/05/07 10:15 AM	11/05/07	11/06/07 5:54 AM
0711096-007A	11/05/07 10:45 AM	11/05/07	11/06/07 8:39 AM	0711096-008A	11/05/07 10:55 AM	11/05/07	11/06/07 9:12 AM
0711096-009A	11/05/07 11:05 AM	11/05/07	11/06/07 10:19 AM	0711096-010A	11/05/07 11:10 AM	11/05/07	11/06/07 5:34 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711096

EPA Method SW8015C	Extraction SW3550C	BatchID: 31724	Spiked Sample ID: 0711087-018A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	123	123	0	117	116	0.643	70 - 130	30	70 - 130	30
%SS:	109	50	108	108	0	71	71	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31724 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711096-001A	11/05/07 8:51 AM	11/05/07	11/06/07 2:03 PM	0711096-002A	11/05/07 9:10 AM	11/05/07	11/06/07 6:44 AM
0711096-003A	11/05/07 9:50 AM	11/05/07	11/06/07 7:52 AM	0711096-004A	11/05/07 9:55 AM	11/05/07	11/06/07 3:14 PM
0711096-005A	11/05/07 10:00 AM	11/05/07	11/06/07 10:09 AM	0711096-006A	11/05/07 10:15 AM	11/05/07	11/06/07 4:25 PM
0711096-007A	11/05/07 10:45 AM	11/05/07	11/06/07 3:35 AM	0711096-008A	11/05/07 10:55 AM	11/05/07	11/06/07 4:44 AM
0711096-009A	11/05/07 11:05 AM	11/05/07	11/06/07 5:53 AM				

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

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

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

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

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

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0711096

EPA Method SW8015C	Extraction SW3550C	BatchID: 31731	Spiked Sample ID: 0711096-010A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	ND	20	120	122	2.32	126	129	1.86	70 - 130	30	70 - 130	30
%SS:	105	50	105	106	1.24	108	107	0.788	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31731 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711096-010A	11/05/07 11:10 AM	11/05/07	11/06/07 6:44 AM				

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

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

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

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

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

Attachment G
Monitoring Well Development Field Sheets

Environmental Investigation Services, Inc.

WELL DEVELOPMENT RECORD Well ID: MW-1

Project Information

Project Name: Cal Mac Transportation Date: 11/8/2007
Site Address: 461 MC Graw Ave, Field Personnel: Damindhar, K.
Project Number: 717-3A Livermore, California.

Well Information

Well Diameter :	2	inches		
Depth to Water:	10:05	feet	Time Measured:	11:15
Product Thickness:	—	feet	Time Measured:	—
Total Depth:	18.55	feet	Time Measured:	11:16
Length of Water Column:	8.50	feet		
Well Volume:	1.36	gallons	Sheen:	No
80% Recharge Depth:	11.75	feet	Purge Method:	Submersible Pump

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
11:24	10:05	1.50	18.9	7.47	1315	High	Brown	No	No
11:27	—	"	19.3	7.47	1313	"	"	"	"
11:30	—	"	19.5	7.38	1310	"	"	"	"
11:35	—	"	19.5	7.33	1316	Medium	"	"	"
11:40	—	"	19.4	7.33	1306	"	"	"	"
11:43	—	"	19.5	7.36	1314	"	L. Brown	"	"
11:46	—	"	19.5	7.26	1304	"	"	"	"
11:50	—	"	19.6	7.25	1306	"	"	"	"
11:55	—	"	19.2	7.28	1305	Light	"	"	"
11:59	19:42	1.00	19.2	7.27	1304	"	"	"	"
	Well	Went	Dry						

Total Purge Volume: 14.5 gallons

Notes

Environmental Investigation Services, Inc.

WELL DEVELOPMENT RECORD Well ID: MW-2

Project Information

Project Name: Cal Mex Transportation Date: 11/8/2007
Site Address: 461 McGraw Avenue Field Personnel: Dhanandhan. K
Project Number: 717-3A Livermore, California

Well Information

Well Diameter :	2	inches		
Depth to Water:	11.23	feet	Time Measured:	12:43
Product Thickness:	—	feet	Time Measured:	—
Total Depth:	19.52	feet	Time Measured:	12:44
Length of Water Column:	8.29	feet		
Well Volume:	1.32	gallons	Sheen:	NO
80% Recharge Depth:	—	feet	Purge Method:	Submersible pump

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
12:56	11.23	1.50	19.2	7.37	1650	High	D. Brown	NO	NO
13:01		"	20.0	7.39	1530	"	"	"	"
13:02		"	20.0	7.32	1550	"	"	"	"
13:06		"	19.6	7.27	1650	"	"	"	"
13:10		"	19.2	7.30	1459	Medium	Brown	"	"
13:13		"	19.4	7.35	1475	"	"	"	"
13:16		"	19.3	7.33	1422	"	"	"	"
13:19		"	19.3	7.30	1419	"	"	"	"
13:22		"	19.6	7.25	1358	Low	L. Brown	"	"
13:27	19.52	"	19.6	7.25	1352	"	"	"	"
	Dry								

Total Purge Volume: 15.0 gallons

Notes

Environmental Investigation Services, Inc.

WELL DEVELOPMENT RECORD

Well ID: MW-3

Project Information

Project Name: Cal Mac Transportation
Date: 11/8/2007
Site Address: 461 McGraw Ave.
Field Personnel: Ramindhar. K.
Project Number: 717-3A
Livermore, California

Well Information

Well Diameter :	2	inches		
Depth to Water:	11.28	feet	Time Measured:	14:00
Product Thickness:	—	feet	Time Measured:	—
Total Depth:	19.82	feet	Time Measured:	14:01
Length of Water Column:	8.54	feet		
Well Volume:	1.36	gallons	Sheen:	NO
80% Recharge Depth:	—	feet	Purge Method:	Submergible pump

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
14:05	11:28	1.50	19.9	7.61	2325	High	D. Brown	NO	NO
14:10		"	20.2	7.50	2390	"	"	"	"
14:12		"	19.7	7.45	2173	"	"	"	"
14:15		"	20.0	7.36	1827	Medium	"	"	"
14:18		"	19.4	7.33	1620	"	Brown	"	"
14:20		"	19.5	7.30	1490	Light	L. Brown	"	"
14:23		"	19.6	7.38	1524	"	"	"	"
14:26		"	19.6	7.33	1585	"	"	"	"
14:30		"	19.4	7.45	1435	"	"	"	"
14:33	Dry	"	19.4	7.45	1440	"	"	"	"

Total Purge Volume: 15.0 gallons

Notes

Attachment H
Groundwater Sampling Field Sheets

Environmental Investigation Services, Inc.

GROUNDWATER SAMPLING RECORD Well ID: MW-1

Project Information

Project Name: Cal Mec Transp...
Site Address: 461 McGraw Avenue
Project Number: 717-3A

Date: 9/2007
Field Personnel: Panindhar. K
Livermore, California

Well Information

Well Diameter :	2	inches		
Depth to Water:	10.05	feet	Time Measured:	10:06
Product Thickness:	—	feet	Time Measured:	—
Total Depth:	19.41	feet	Time Measured:	10:07
Length of Water Column:	9.36	feet		
Well Volume:	1.50	gallons	Sheen:	NO
80% Recharge Depth:	11.92	feet	Purge Method:	Low flow

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
10:50	10.23	0.5	19.3	7.57	1242	NIL	—	—	—
10:55	10.24	0.5	19.1	—	1312	"	"	"	"
11:00	10.26	0.5	19.3	—	1316	"	"	"	"
11:07	10.30	0.5	19.4	—	1312	"	"	"	"
11:14	10.42	0.5	19.5	—	1303	"	"	"	"
11:20	10.61	0.5	19.3	—	1307	"	"	"	"
11:26	10.75	0.5	19.2	—	1301	"	"	"	"
11:32	10.91	0.5	19.3	—	1305	"	"	"	"
11:39	11.07	0.5	19.6	—	1301	"	"	"	"
11:44	11.12	0.5	19.6	—	1302	"	"	"	"
11:50	11.15	0.5	19.5	—	1301	"	"	"	"
11:56	11.16	0.5	19.5	—	1301	"	"	"	"

Total Purge Volume: 6.0 gallons

Sample Information

Sample ID: MW-1
Sampling Method: Low flow
Sample Containers (number/type): 3 VOA's

Sample Time: 12:30
Sampled By: P. [illegible]

Notes

Environmental Investigation Services, Inc.

GROUNDWATER SAMPLING RECORD Well ID: MW-2

Project Information

Project Name: Cal Mac Tvamplant Date: 1/9/2001
Site Address: 461 McGraw Avenue Field Personnel: Pamidhar, K
Project Number: 717-3A Livermore, California

Well Information

Well Diameter :	2	inches		
Depth to Water:	11.21	feet	Time Measured:	13:01
Product Thickness:	—	feet	Time Measured:	—
Total Depth:	19.52	feet	Time Measured:	13:02
Length of Water Column:	8.31	feet		
Well Volume:	1.33	gallons	Sheen:	NO
80% Recharge Depth:		feet	Purge Method:	Low flow

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
13:23	11.51	300 ml	20.2	—	1328	NIL	NIL	NO	NO
13:26	11.51	"	20.5	—	1322	"	"	"	"
13:29	11.51	"	20.1	—	1324	"	"	"	"
13:32	11.51	"	20.2	—	1329	"	"	"	"
13:35	11.51	"	20.0	—	1328	"	"	"	"
13:38	11.51	"	20.1	—	1330	"	"	"	"
13:41	11.51	"	20.0	—	1332	"	"	"	"
13:44	11.51	"	20.0	—	1331	"	"	"	"
13:47	11.51	"	20.0	—	1331	"	"	"	"

Total Purge Volume: 2.7 gallons

Sample Information

Sample ID: MW-2 Sample Time: 14:05
Sampling Method: Low flow Sampled By: P. Kh
Sample Containers (number/type): 3 VOAs

Notes

Environmental Investigation Services, Inc.

GROUNDWATER SAMPLING RECORD Well ID: MW-3

Project Information

Project Name: Cal Mcc Transportation Date: 1/9/2007
Site Address: 461 McGraw Avenue, Livermore, California Field Personnel: Pavindhar. K
Project Number: 717-3A

Well Information

Well Diameter :	2	inches	
Depth to Water:	11.27	feet	Time Measured: 14.09
Product Thickness:	-	feet	Time Measured: -
Total Depth:	19.85	feet	Time Measured: 14.10
Length of Water Column:	8.58	feet	
Well Volume:	1.37	gallons	Sheen: NO
80% Recharge Depth:	-	feet	Purge Method: Low Flow

Field Measurements and Observations

Time	Depth to Water (feet)	Volume Purged (gallons)	Temp. (°C)	pH	Cond. (µS/cm)	Turbidity (NTU)	Color	Sheen	Odor
14:20	11:68	300ml	20.1	-	1462	-	-	-	-
14:23	11	11	20.0	-	1452	-	-	-	-
14:26	11	11	19.9	-	1449	-	-	-	-
14:29	11	11	20.0	-	1446	-	-	-	-
14:32	11	11	20.1	-	1445	-	-	-	
14:35	11	11	20.0	-	1445	-	-	-	-

Total Purge Volume: 1.80 gallons

Sample Information

Sample ID: MW-3 Sample Time: 14:40
Sampling Method: Low Flow Sampled By: Pavindhar
Sample Containers (number/type): 3 VOAs

Notes

pH not working

Attachment I
Groundwater Sampling Laboratory Analytical Reports

McCampbell Analytical, Inc.
"When Quality Counts"

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
	Client Contact: Peter Littman	Date Reported: 11/14/07
	Client P.O.:	Date Completed: 11/14/07

WorkOrder: 0711274

November 14, 2007

Dear Peter:

Enclosed are:

1). the results of **3** analyzed samples from your **Cal Mac Transportation; 717-3A project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0711274

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

GeoTracker EDF ☑ PDF ☑ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: EIS Bill To: EIS

Company: Environmental Investigation Services

170 Knowles Drive, Los Gatos, CA

E-Mail:

Tele: (408) - 871 - 1470 Fax: ( )

Project #: Cal Mac Trans Portation Project Name: 717-3A

Project Location: 461 MacGrath Ave, Livermore CA

Sampler Signature:

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Title 22 metals, 6010	Comments
	MW-1	11/9/07	12:35	3	VOA	X					X	X			X	X									X						X	
	MW-2	11/9/07	14:05	3	VOA	X					X	X			X	X									X						X	
	MW-3	11/9/07	14:40	3	VOA	X					X	X			X	X									X						X	

Relinquished By:	Date:	Time:	Received By:
	11/9	14:45	
	11/9	14:50	
	11/9/07	16:20	

ICE/t° 12.2

GOOD CONDITION ✓

HEAD SPACE ABSENT

DECHLORINATED IN LAB

APPROPRIATE CONTAINERS ✓

PRESERVED IN LAB

COMMENTS:

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711274 **ClientID: EISI**

☑ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: Cal Mac Transportation; 717-3A
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days

Date Received: **11/09/2007**
Date Printed: **11/12/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0711274-001	MW-1	Water	11/9/07 12:00:00	☐	B	D	A	A	C							
0711274-002	MW-2	Water	11/9/07 2:05:00	☐	B	D	A		C							
0711274-003	MW-3	Water	11/9/07 2:40:00	☐	B	D	A		C							

Test Legend:

1	8260B_W	2	CAM17(T)MS_W	3	G-MBTEX_W	4	PREDF REPORT	5	TPH(D)_W
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments:

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

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Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **11/9/07 6:58:51 PM**

Project Name: **Cal Mac Transportation; 717-3A** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0711274** Matrix Water Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 12.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/13/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/13/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0711274

Lab ID	0711274-001B
Client ID	MW-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	10	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	110	%SS2:	97
%SS3:	95		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm.

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

Environmental Investigation Services, In	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/12/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/12/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0711274

Lab ID	0711274-002B
Client ID	MW-2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	100	%SS2:	90
%SS3:	97		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm.

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Environmental Investigation Services, In	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/13/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/13/07

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0711274

Lab ID	0711274-003B
Client ID	MW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	110	%SS2:	97
%SS3:	95		

Comments:

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

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

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative; q) reported in ppm.

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Environmental Investigation Services, In	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/12/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/13/07

CAM / CCR 17 Metals*

Lab ID	0711274-001D	0711274-002D	0711274-003D		Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	MW-1	MW-2	MW-3			
Matrix	W	W	W		S	W
Extraction Type	TOTAL	TOTAL	TOTAL		mg/kg	µg/L

ICP-MS Metals, Concentration*

Analytical Method: E200.8 Extraction Method: E200.8 Work Order: 0711274

Dilution Factor	1	1	1		1	1
Antimony	ND	ND	ND		NA	0.5
Arsenic	2.3	2.7	3.5		NA	0.5
Barium	240	140	120		NA	5.0
Beryllium	ND	ND	ND		NA	0.5
Cadmium	ND	ND	ND		NA	0.25
Chromium	8.6	1.9	2.6		NA	0.5
Cobalt	ND	0.60	0.67		NA	0.5
Copper	ND	0.83	1.6		NA	0.5
Lead	ND	ND	ND		NA	0.5
Mercury	0.040	0.059	0.038		NA	0.012
Molybdenum	1.9	2.2	2.3		NA	0.5
Nickel	ND	1.1	1.3		NA	0.5
Selenium	1.4	ND	0.71		NA	0.5
Silver	ND	ND	ND		NA	0.19
Thallium	ND	ND	ND		NA	0.5
Vanadium	14	12	9.0		NA	0.5
Zinc	ND	ND	ND		NA	5.0
%SS:	103	102	108			

Comments					

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

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

TOTAL = acid digestion.

WET = Waste Extraction Test (STLC).

DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL^ metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; J) analyte detected below quantitation limits; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

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Environmental Investigation Services, In	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
170 Knowles Drive, Suite 212		Date Received: 11/09/07
Los Gatos, CA 95032	Client Contact: Peter Littman	Date Extracted: 11/10/07
	Client P.O.:	Date Analyzed 11/10/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0711274

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	90
002A	MW-2	W	ND	ND	ND	ND	ND	ND	1	94
003A	MW-3	W	ND	ND	ND	ND	ND	ND	1	89

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

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Environmental Investigation Services, In 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: Cal Mac Transportation; 717-3A	Date Sampled: 11/09/07
		Date Received: 11/09/07
	Client Contact: Peter Littman	Date Extracted: 11/12/07
	Client P.O.:	Date Analyzed 11/13/07-11/14/07

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method SW3510C Analytical methods SW8015C Work Order: 0711274

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0711274-001C	MW-1	W	ND	1	91
0711274-002C	MW-2	W	ND	1	91
0711274-003C	MW-3	W	ND	1	91

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

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

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

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0711274

EPA Method SW8260B **Extraction SW5030B** **BatchID: 31839** **Spiked Sample ID: 0711274-002B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	100	103	2.67	99.3	102	2.48	70 - 130	30	70 - 130	30
Benzene	ND	10	113	115	2.26	114	116	1.17	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	75.2	77.1	2.47	75.1	79.1	5.26	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	113	115	1.08	122	118	2.89	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	108	110	2.30	115	104	10.8	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	88	88.6	0.718	89.2	85.9	3.75	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	108	95.7	12.3	97.1	81.3	17.8	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	101	104	3.79	103	104	1.75	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	94.8	97.8	3.09	95.4	94.6	0.880	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	95.2	98.4	3.24	95.6	90.2	5.88	70 - 130	30	70 - 130	30
Toluene	ND	10	98.5	99.9	1.39	105	99.6	5.20	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	95.3	97.3	2.13	97.5	94.9	2.73	70 - 130	30	70 - 130	30
%SS1:	100	10	104	106	1.76	96	93	3.38	70 - 130	30	70 - 130	30
%SS2:	90	10	90	91	0.589	89	87	2.66	70 - 130	30	70 - 130	30
%SS3:	97	10	97	99	1.83	97	97	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31839 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711274-001B	11/09/07 12:00 PM	11/13/07	11/13/07 4:28 AM	0711274-002B	11/09/07 2:05 PM	11/12/07	11/12/07 2:56 PM
0711274-003B	11/09/07 2:40 PM	11/13/07	11/13/07 5:14 AM				

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

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

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

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

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

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0711274

EPA Method E200.8	Extraction E200.8	BatchID: 31837	Spiked Sample ID: 0711287-001A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	5.5	10	114	108	3.85	116	117	0.675	70 - 130	20	80 - 120	20
Arsenic	160	10	130	139, F1	0.519	102	106	4.13	70 - 130	20	80 - 120	20
Barium	7.1	100	113	115	1.73	109	108	0.0921	70 - 130	20	80 - 120	20
Beryllium	ND	10	106	109	2.32	111	111	0	70 - 130	20	80 - 120	20
Cadmium	ND	10	107	109	1.95	110	108	1.10	70 - 130	20	80 - 120	20
Chromium	ND	10	105	106	1.09	107	107	0	70 - 130	20	80 - 120	20
Cobalt	0.58	10	102	104	2.30	108	107	0.186	70 - 130	20	80 - 120	20
Copper	4.3	10	118	125	4.37	108	113	4.33	70 - 130	20	80 - 120	20
Lead	7.9	10	112	113	0.573	108	109	0.368	70 - 130	20	80 - 120	20
Mercury	0.33	0.25	113	113	0	102	100	1.82	70 - 130	20	80 - 120	20
Molybdenum	2.3	10	116	118	1.71	104	103	1.35	70 - 130	20	80 - 120	20
Nickel	9.4	10	103	105	0.962	106	106	0	70 - 130	20	80 - 120	20
Selenium	6.9	10	116	121	2.34	106	111	4.90	70 - 130	20	80 - 120	20
Silver	ND	10	102	104	2.24	105	105	0	70 - 130	20	80 - 120	20
Thallium	ND	10	115	116	0.867	107	107	0	70 - 130	20	80 - 120	20
Vanadium	0.76	10	111	112	0.927	107	106	0.658	70 - 130	20	80 - 120	20
Zinc	24	100	107	110	1.81	111	112	0.720	70 - 130	20	80 - 120	20
%SS:	111	750	111	118	5.29	106	106	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

F1 = MS / MSD outside of acceptance criteria. LCS - LCSD validate prep batch.

BATCH 31837 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711274-001D	11/09/07 12:00 PM	11/12/07	11/13/07 4:11 PM	0711274-002D	11/09/07 2:05 PM	11/12/07	11/13/07 4:24 PM

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

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

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

N/A = not applicable to this method.

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

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QA/QC Officer

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0711274

EPA Method E200.8 **Extraction E200.8** **BatchID: 31853** **Spiked Sample ID: 0711274-003D**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	10	106	109	2.35	103	104	0.580	70 - 130	20	80 - 120	20
Arsenic	3.5	10	100	99.4	0.739	97.9	96.4	1.53	70 - 130	20	80 - 120	20
Barium	120	100	99.6	98.6	0.454	97.6	98.2	0.644	70 - 130	20	80 - 120	20
Beryllium	ND	10	90.1	91.1	1.14	101	99.9	0.976	70 - 130	20	80 - 120	20
Cadmium	ND	10	97.8	95.7	2.21	99.3	99.2	0.0806	70 - 130	20	80 - 120	20
Chromium	2.6	10	94.8	97.6	2.20	97.4	98.8	1.41	70 - 130	20	80 - 120	20
Cobalt	0.67	10	88.1	89.4	1.34	104	104	0	70 - 130	20	80 - 120	20
Copper	1.6	10	95.9	95.4	0.449	102	103	1.47	70 - 130	20	80 - 120	20
Lead	ND	10	100	103	2.30	97.5	98.2	0.716	70 - 130	20	80 - 120	20
Mercury	0.038	0.25	101	101	0	87.6	89	1.58	70 - 130	20	80 - 120	20
Molybdenum	2.3	10	99.5	99.6	0.0817	95.1	94.8	0.327	70 - 130	20	80 - 120	20
Nickel	1.3	10	95.2	98.2	2.73	92.3	92.1	0.260	70 - 130	20	80 - 120	20
Selenium	0.71	10	97.5	101	3.11	100	101	0.199	70 - 130	20	80 - 120	20
Silver	ND	10	95	95.3	0.326	100	100	0	70 - 130	20	80 - 120	20
Thallium	ND	10	95.9	98.1	2.26	92.6	93.2	0.603	70 - 130	20	80 - 120	20
Vanadium	9.0	10	99.8	101	0.735	98.5	99.1	0.638	70 - 130	20	80 - 120	20
Zinc	ND	100	89.8	91.8	2.10	96.6	98.4	1.74	70 - 130	20	80 - 120	20
%SS:	108	750	104	104	0	99	97	2.22	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31853 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711274-003D	11/09/07 2:40 PM	11/12/07	11/13/07 3:06 PM				

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

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

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

N/A = not applicable to this method.

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

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0711274

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 31832			Spiked Sample ID: 0711274-003A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	94.6	90.5	4.45	86.8	92	5.84	70 - 130	30	70 - 130	30
MTBE	ND	10	92.7	95	2.48	76.3	95.1	22.0	70 - 130	30	70 - 130	30
Benzene	ND	10	99.3	102	2.49	106	99.6	6.48	70 - 130	30	70 - 130	30
Toluene	ND	10	101	104	2.95	108	101	6.71	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	105	108	2.49	113	106	6.77	70 - 130	30	70 - 130	30
Xylenes	ND	30	120	120	0	127	120	5.41	70 - 130	30	70 - 130	30
%SS:	89	10	91	95	3.61	99	91	8.84	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31832 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711274-001A	11/09/07 12:00 PM	11/10/07	11/10/07 1:31 AM	0711274-002A	11/09/07 2:05 PM	11/10/07	11/10/07 2:04 AM
0711274-003A	11/09/07 2:40 PM	11/10/07	11/10/07 3:11 AM				

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

DHS ELAP Certification N° 1644


QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0711274

EPA Method SW8015C **Extraction SW3510C** **BatchID: 31794** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	98.6	113	13.9	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	83	100	18.0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31794 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711274-001C	11/09/07 12:00 PM	11/12/07	11/13/07 10:30 PM	0711274-002C	11/09/07 2:05 PM	11/12/07	11/13/07 11:40 PM
0711274-003C	11/09/07 2:40 PM	11/12/07	11/14/07 8:58 AM				

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

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

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

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

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

Attachment J
Soil Gas Sampling Laboratory Analytical Reports

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-3B; Cal Mac Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
	Client Contact: Peter Littman	Date Reported: 11/19/07
	Client P.O.:	Date Completed: 11/19/07

WorkOrder: 0711336

November 19, 2007

Dear Peter:

Enclosed are:

1). the results of **2** analyzed samples from your **#717-3B; Cal Mac Transportation project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

0711336

Environmental Investigation Services, Inc.
15466 Los Gatos Boulevard, Suite 109-062
Los Gatos, California 95032
Phone: 408-871-1470 Fax: 408-871-1520

Project Number: 717-3B
Project Name: Cal Mac Transportation
Site Address: 461 MacGraw Avenue Livermore, California
Turnaround Time Requested:
Report To: Environmental Investigation Svc P. Litman
e-mail: plitman@eisi.net
Special Instructions:

SAMPLE DESCRIPTION			CONTAINER(S)				ANALYSIS REQUESTED																		
Sample ID	Date	Time	No.	Type	Matrix	Preservation	VOC's EPA 8260B																		Notes
SG-1	11/13/07	15:50	1	Canister	gas		X																		cancelled 11/19 received open initial 13.51 final psi 26.93
SG-2	"	15:40	1	"	"		X																		13.97 27.93
SG-3	"	16:00	1	"	"		X																		cancelled 11/19 received open
SG-4	"	16:10	1	"	"		X																		

Collected By:	Date/Time: 11/13/07		
Relinquished By:	Date/Time: 11/13/07	Received By:	Date/Time: 16:10 11-13-07
Relinquished By:	Date/Time: 11-13-07 1800	Received By:	Date/Time: 11-13-07
Relinquished By:	Date/Time:	Received By:	Date/Time:
		Condition of Sample:	

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711336 **ClientID: EISI**

☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: #717-3B; Cal Mac Transportation
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days

Date Received: **11/13/2007**
Date Printed: **11/14/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0711336-001	SG-1	Air	11/13/07 3:50:00	☐	A											
0711336-002	SG-2	Air	11/13/07 3:40:00	☐	A											
0711336-003	SG-3	Air	11/13/07 4:00:00	☐	A											
0711336-004	SG-4	Air	11/13/07 4:10:00	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

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

Prepared by: Ana Venegas

Comments:

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

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Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **11/13/07 6:19:35 PM**

Project Name: **#717-3B; Cal Mac Transportation** Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0711336** Matrix Air Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In	Client Project ID: #717-3B; Cal Mac Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/14/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/14/07

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711336

Lab ID	0711336-002A	Initial Pressure	13.5
Client ID	SG-2	Final Pressure	26.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	200
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	150	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	61
Chloroethane	ND	1.0	13	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND,k	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	210
1,3-Dichlorobenzene	ND	1.0	100	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	200
cis-1,2-Dichloroethene	ND	1.0	36	trans-1,2-Dichloroethene	ND	1.0	73
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
Isopropyl Alcohol	ND	1.0	25	4-Methyl-2-pentanone (MIBK)	ND	1.0	83
Methyl-t-butyl ether (MTBE)	ND	1.0	48	Methylene chloride	ND	1.0	12
Naphthalene	ND	1.0	11	Propene	ND	1.0	88
Styrene	ND	1.0	8.6	1,1,1,2-Tetrachloroethane	ND	1.0	14
1,1,2,2-Tetrachloroethane	ND	1.0	14	Tetrachloroethene	ND	1.0	14
Tetrahydrofuran	ND	1.0	6.0	Toluene	ND	1.0	7.7
1,2,4-Trichlorobenzene	ND	1.0	15	1,1,1-Trichloroethane	ND	1.0	11
1,1,2-Trichloroethane	ND	1.0	11	Trichloroethene	ND	1.0	11
Trichlorofluoromethane	ND	1.0	11	1,2,4-Trimethylbenzene	ND	1.0	10
1,3,5-Trimethylbenzene	ND	1.0	10	Vinyl Acetate	ND	1.0	180
Vinyl Chloride	ND	1.0	5.2	Xylenes	ND	1.0	27

Surrogate Recoveries (%)

%SS1:	100	%SS2:	102
%SS3:	99		

Comments:

*vapor samples are reported in µg/m³.

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

surrogate diluted out of range or surrogate coelutes with another peak.

) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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Environmental Investigation Services, In	Client Project ID: #717-3B; Cal Mac Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/14/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/14/07

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711336

Lab ID	0711336-003A	Initial Pressure	14
Client ID	SG-3	Final Pressure	27.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	200
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	150	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	61
Chloroethane	ND	1.0	13	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND,k	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	210
1,3-Dichlorobenzene	ND	1.0	100	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	200
cis-1,2-Dichloroethene	ND	1.0	36	trans-1,2-Dichloroethene	ND	1.0	73
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
Isopropyl Alcohol	ND	1.0	25	4-Methyl-2-pentanone (MIBK)	ND	1.0	83
Methyl-t-butyl ether (MTBE)	ND	1.0	48	Methylene chloride	ND	1.0	12
Naphthalene	ND	1.0	11	Propene	ND	1.0	88
Styrene	ND	1.0	8.6	1,1,1,2-Tetrachloroethane	ND	1.0	14
1,1,2,2-Tetrachloroethane	ND	1.0	14	Tetrachloroethene	ND	1.0	14
Tetrahydrofuran	ND	1.0	6.0	Toluene	ND	1.0	7.7
1,2,4-Trichlorobenzene	ND	1.0	15	1,1,1-Trichloroethane	ND	1.0	11
1,1,2-Trichloroethane	ND	1.0	11	Trichloroethene	ND	1.0	11
Trichlorofluoromethane	ND	1.0	11	1,2,4-Trimethylbenzene	ND	1.0	10
1,3,5-Trimethylbenzene	ND	1.0	10	Vinyl Acetate	ND	1.0	180
Vinyl Chloride	ND	1.0	5.2	Xylenes	ND	1.0	27

Surrogate Recoveries (%)

%SS1:	99	%SS2:	103
%SS3:	101		

Comments:

*vapor samples are reported in µg/m³.

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

surrogate diluted out of range or surrogate coelutes with another peak.

) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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Environmental Investigation Services, In	Client Project ID: #717-3B; Cal Mac Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/14/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/14/07

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711336

Lab ID	0711336-002A	Initial Pressure	13.5
Client ID	SG-2	Final Pressure	26.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	50
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	50	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	13
Chloroethane	ND	1.0	5.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND,k	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	34
1,3-Dichlorobenzene	ND	1.0	17	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	50
cis-1,2-Dichloroethene	ND	1.0	9.0	trans-1,2-Dichloroethene	ND	1.0	18
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
Isopropyl Alcohol	ND	1.0	10	4-Methyl-2-pentanone (MIBK)	ND	1.0	20
Methyl-t-butyl ether (MTBE)	ND	1.0	13	Methylene chloride	ND	1.0	3.5
Naphthalene	ND	1.0	2.0	Propene	ND	1.0	50
Styrene	ND	1.0	2.0	1,1,1,2-Tetrachloroethane	ND	1.0	2.0
1,1,2,2-Tetrachloroethane	ND	1.0	2.0	Tetrachloroethene	ND	1.0	2.0
Tetrahydrofuran	ND	1.0	2.0	Toluene	ND	1.0	2.0
1,2,4-Trichlorobenzene	ND	1.0	2.0	1,1,1-Trichloroethane	ND	1.0	2.0
1,1,2-Trichloroethane	ND	1.0	2.0	Trichloroethene	ND	1.0	2.0
Trichlorofluoromethane	ND	1.0	2.0	1,2,4-Trimethylbenzene	ND	1.0	2.0
1,3,5-Trimethylbenzene	ND	1.0	2.0	Vinyl Acetate	ND	1.0	50
Vinyl Chloride	ND	1.0	2.0	Xylenes	ND	1.0	6.0

Surrogate Recoveries (%)

%SS1:	100	%SS2:	102
%SS3:	99		

Comments:

*vapor samples are reported in nL/L.

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

surrogate diluted out of range or surrogate coelutes with another peak.

j) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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Environmental Investigation Services, In	Client Project ID: #717-3B; Cal Mac Transportation	Date Sampled: 11/13/07
		Date Received: 11/13/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/14/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/14/07

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711336

Lab ID	0711336-003A	Initial Pressure	14
Client ID	SG-3	Final Pressure	27.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	50
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	50	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	13
Chloroethane	ND	1.0	5.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND,k	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	34
1,3-Dichlorobenzene	ND	1.0	17	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	50
cis-1,2-Dichloroethene	ND	1.0	9.0	trans-1,2-Dichloroethene	ND	1.0	18
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
Isopropyl Alcohol	ND	1.0	10	4-Methyl-2-pentanone (MIBK)	ND	1.0	20
Methyl-t-butyl ether (MTBE)	ND	1.0	13	Methylene chloride	ND	1.0	3.5
Naphthalene	ND	1.0	2.0	Propene	ND	1.0	50
Styrene	ND	1.0	2.0	1,1,1,2-Tetrachloroethane	ND	1.0	2.0
1,1,2,2-Tetrachloroethane	ND	1.0	2.0	Tetrachloroethene	ND	1.0	2.0
Tetrahydrofuran	ND	1.0	2.0	Toluene	ND	1.0	2.0
1,2,4-Trichlorobenzene	ND	1.0	2.0	1,1,1-Trichloroethane	ND	1.0	2.0
1,1,2-Trichloroethane	ND	1.0	2.0	Trichloroethene	ND	1.0	2.0
Trichlorofluoromethane	ND	1.0	2.0	1,2,4-Trimethylbenzene	ND	1.0	2.0
1,3,5-Trimethylbenzene	ND	1.0	2.0	Vinyl Acetate	ND	1.0	50
Vinyl Chloride	ND	1.0	2.0	Xylenes	ND	1.0	6.0

Surrogate Recoveries (%)

%SS1:	99	%SS2:	103
%SS3:	101		

Comments:

*vapor samples are reported in nL/L.

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

surrogate diluted out of range or surrogate coelutes with another peak.

j) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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

QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air/Air QC Matrix: Air WorkOrder: 0711336

EPA Method TO15	Extraction TO15				BatchID: 31891			Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	93.1	102	9.28	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	95.5	107	11.4	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	90.6	88.8	1.93	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	93.4	90	3.75	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	115	121	5.74	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	106	112	4.73	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	95.9	92	4.14	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	98.4	106	7.07	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	97.3	94.6	2.91	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	92.6	112	18.9	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	100	104	4.28	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	86	97.3	12.3	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	109	114	4.61	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	102	95.7	6.08	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	101	98.6	2.72	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	81.1	79.2	2.41	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	109	107	1.97	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	78.4	95	19.1	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	99.4	101	1.55	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	99.5	106	6.24	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	97.2	95.3	1.89	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	94.2	92.1	2.27	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	96.6	93.3	3.45	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	113	109	4.07	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	110	108	1.27	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	85.7	94.4	9.57	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	94.2	105	11.0	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	25	N/A	N/A	N/A	100	94.3	6.10	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	97.1	96.5	0.626	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	96.5	110	12.9	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	97.2	97.7	0.519	N/A	N/A	70 - 130	30
4-Ethyltoluene	N/A	25	N/A	N/A	N/A	93	91.1	2.14	N/A	N/A	70 - 130	30

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644


QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air/Air QC Matrix: Air WorkOrder: 0711336

EPA Method TO15 **Extraction TO15** **BatchID: 31891** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Freon 113	N/A	25	N/A	N/A	N/A	93.5	96.8	3.44	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	102	93.9	8.39	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	92	90.4	1.78	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	95.6	99.7	4.17	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	90.8	90.2	0.654	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	111	89.1	21.8	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	99.3	95.6	3.75	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	96.1	109	12.5	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	92.6	86	7.36	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	90.1	90.3	0.211	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	90.8	88.3	2.84	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	94.1	92	2.30	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	107	96.5	10.1	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	104	114	9.13	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	97.7	93.5	4.43	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	94.8	101	6.74	N/A	N/A	70 - 130	30
Trichlorofluoromethane	N/A	25	N/A	N/A	N/A	105	118	11.4	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	82.6	81.8	1.06	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	88.4	88.6	0.221	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	86.2	98.2	12.9	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	94.7	92	2.86	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	98	105	6.92	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	101	102	0.484	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	97	99	2.24	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 31891 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711336-002A	11/13/07 3:40 PM	11/14/07	11/14/07 6:20 PM	0711336-002A	11/13/07 3:40 PM	11/14/07	11/14/07 6:20 PM
0711336-003A	11/13/07 4:00 PM	11/14/07	11/14/07 6:57 PM	0711336-003A	11/13/07 4:00 PM	11/14/07	11/14/07 6:57 PM

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644

QA/QC Officer

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

Environmental Investigation Servi 170 Knowles Drive, Suite 212 Los Gatos, CA 95032	Client Project ID: #717-3C; Cal Mac Transportation	Date Sampled: 11/21/07
		Date Received: 11/21/07
	Client Contact: Peter Littman	Date Reported: 11/29/07
	Client P.O.:	Date Completed: 11/29/07

WorkOrder: 0711593

November 29, 2007

Dear Peter:

Enclosed are:

1). the results of **2** analyzed samples from your **#717-3C; Cal Mac Transportation project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

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

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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius, Lab Manager

Attachment K

Soil Gas Sampling Laboratory Analytical Reports of SG-1 and SG-4

Environmental Investigation Services, Inc.
15466 Los Gatos Boulevard, Suite 109-062
Los Gatos, California 95032
Phone: 408-871-1470 Fax: 408-871-1520

07/1593

Project Number: 717-3C
Project Name: Cal Mat Transportation
Site Address: Livermore, Ca
Turnaround Time Requested:

Report To: Peter Littman
e-mail: PLittman@eisl.net

Special Instructions:

ANALYSIS REQUESTED: VOCs EPA TO-14

SAMPLE DESCRIPTION			CONTAINER(S)				ANALYSIS REQUESTED	Notes
Sample ID	Date	Time	No.	Type	Matrix	Preservation		
SG-4	11/21/07		1	Summa	Gas		X	
SG-1	11		1	11	11		X	

Collected By:		Date/Time:	
Relinquished By:		Date/Time: 11/21/07	Received By:	Date/Time: 11-21-07 1630
Relinquished By:		Date/Time: 11/21/07 1730	Received By:	Date/Time: 11/21/07 1760
Relinquished By:		Date/Time:	Received By:	Date/Time:
			Condition of Sample:	

ICE/t° NO
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

VOAS	O&G	METALS	OTHER

APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0711593 **ClientID: EISI**

☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty

Report to:
Peter Littman
Environmental Investigation Services,
170 Knowles Drive, Suite 212
Los Gatos, CA 95032

Email: plittman@eis1.net, jmorris@eis1.net
TEL: (408) 871-1470 FAX: (408) 871-1520
ProjectNo: #717-3C; Cal Mac Transportation
PO:

Bill to:
Barbar
Environmental Investigation Services
170 Knowles Drive, Suite 212
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days

Date Received: **11/21/2007**
Date Printed: **11/21/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0711593-001	SG-4	Air	11/21/07	☐	A											
0711593-002	SG-1	Air	11/21/07	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

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

Prepared by: Maria Venegas

Comments:

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

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

Sample Receipt Checklist

Client Name: **Environmental Investigation Services, Inc.** Date and Time Received: **11/21/07 5:54:20 PM**

Project Name: **#717-3C; Cal Mac Transportation** Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0711593** Matrix Air Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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

Environmental Investigation Services, In	Client Project ID: #717-3C; Cal Mac Transportation	Date Sampled: 11/21/07
		Date Received: 11/21/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/21/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/21/07

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711593

Lab ID	0711593-001A	Initial Pressure	13.5
Client ID	SG-4	Final Pressure	26.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	44	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	200
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	150	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	61
Chloroethane	ND	1.0	13	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND,k	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	210
1,3-Dichlorobenzene	ND	1.0	100	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	200
cis-1,2-Dichloroethene	ND	1.0	36	trans-1,2-Dichloroethene	ND	1.0	73
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	21	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
Isopropyl Alcohol	ND	1.0	25	4-Methyl-2-pentanone (MIBK)	ND	1.0	83
Methyl-t-butyl ether (MTBE)	ND	1.0	48	Methylene chloride	ND	1.0	12
Naphthalene	ND	1.0	11	Propene	ND	1.0	88
Styrene	ND	1.0	8.6	1,1,1,2-Tetrachloroethane	ND	1.0	14
1,1,2,2-Tetrachloroethane	ND	1.0	14	Tetrachloroethene	60	1.0	14
Tetrahydrofuran	ND	1.0	6.0	Toluene	150	1.0	7.7
1,2,4-Trichlorobenzene	ND	1.0	15	1,1,1-Trichloroethane	ND	1.0	11
1,1,2-Trichloroethane	ND	1.0	11	Trichloroethene	ND	1.0	11
Trichlorofluoromethane	ND	1.0	11	1,2,4-Trimethylbenzene	ND	1.0	10
1,3,5-Trimethylbenzene	ND	1.0	10	Vinyl Acetate	ND	1.0	180
Vinyl Chloride	ND	1.0	5.2	Xylenes	78	1.0	27

Surrogate Recoveries (%)

%SS1:	93	%SS2:	105
%SS3:	100		

Comments:

*vapor samples are reported in µg/m³.

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

surrogate diluted out of range or surrogate coelutes with another peak.

) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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Environmental Investigation Services, In	Client Project ID: #717-3C; Cal Mac Transportation	Date Sampled: 11/21/07
		Date Received: 11/21/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/21/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/21/07

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711593

Lab ID	0711593-002A	Initial Pressure	12.4
Client ID	SG-1	Final Pressure	24.8
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	28	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	200
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	150	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	61
Chloroethane	ND	1.0	13	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND,k	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	210
1,3-Dichlorobenzene	ND	1.0	100	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	200
cis-1,2-Dichloroethene	ND	1.0	36	trans-1,2-Dichloroethene	ND	1.0	73
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	49	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
Isopropyl Alcohol	120	1.0	25	4-Methyl-2-pentanone (MIBK)	ND	1.0	83
Methyl-t-butyl ether (MTBE)	ND	1.0	48	Methylene chloride	ND	1.0	12
Naphthalene	ND	1.0	11	Propene	ND	1.0	88
Styrene	ND	1.0	8.6	1,1,1,2-Tetrachloroethane	ND	1.0	14
1,1,2,2-Tetrachloroethane	ND	1.0	14	Tetrachloroethene	ND	1.0	14
Tetrahydrofuran	ND	1.0	6.0	Toluene	250	1.0	7.7
1,2,4-Trichlorobenzene	ND	1.0	15	1,1,1-Trichloroethane	ND	1.0	11
1,1,2-Trichloroethane	ND	1.0	11	Trichloroethene	ND	1.0	11
Trichlorofluoromethane	ND	1.0	11	1,2,4-Trimethylbenzene	20	1.0	10
1,3,5-Trimethylbenzene	ND	1.0	10	Vinyl Acetate	ND	1.0	180
Vinyl Chloride	ND	1.0	5.2	Xylenes	190	1.0	27

Surrogate Recoveries (%)

%SS1:	94	%SS2:	102
%SS3:	100		

Comments:

*vapor samples are reported in µg/m³.

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

surrogate diluted out of range or surrogate coelutes with another peak.

) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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Environmental Investigation Services, In	Client Project ID: #717-3C; Cal Mac Transportation	Date Sampled: 11/21/07
		Date Received: 11/21/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/21/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/21/07

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711593

Lab ID	0711593-001A	Initial Pressure	13.5
Client ID	SG-4	Final Pressure	26.9
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	14	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	50
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	50	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	13
Chloroethane	ND	1.0	5.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND,k	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	34
1,3-Dichlorobenzene	ND	1.0	17	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	50
cis-1,2-Dichloroethene	ND	1.0	9.0	trans-1,2-Dichloroethene	ND	1.0	18
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	4.8	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
Isopropyl Alcohol	ND	1.0	10	4-Methyl-2-pentanone (MIBK)	ND	1.0	20
Methyl-t-butyl ether (MTBE)	ND	1.0	13	Methylene chloride	ND	1.0	3.5
Naphthalene	ND	1.0	2.0	Propene	ND	1.0	50
Styrene	ND	1.0	2.0	1,1,1,2-Tetrachloroethane	ND	1.0	2.0
1,1,2,2-Tetrachloroethane	ND	1.0	2.0	Tetrachloroethene	8.7	1.0	2.0
Tetrahydrofuran	ND	1.0	2.0	Toluene	40	1.0	2.0
1,2,4-Trichlorobenzene	ND	1.0	2.0	1,1,1-Trichloroethane	ND	1.0	2.0
1,1,2-Trichloroethane	ND	1.0	2.0	Trichloroethene	ND	1.0	2.0
Trichlorofluoromethane	ND	1.0	2.0	1,2,4-Trimethylbenzene	ND	1.0	2.0
1,3,5-Trimethylbenzene	ND	1.0	2.0	Vinyl Acetate	ND	1.0	50
Vinyl Chloride	ND	1.0	2.0	Xylenes	17	1.0	6.0

Surrogate Recoveries (%)

%SS1:	93	%SS2:	105
%SS3:	100		

Comments:

*vapor samples are reported in nL/L.

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

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Environmental Investigation Services, In	Client Project ID: #717-3C; Cal Mac Transportation	Date Sampled: 11/21/07
		Date Received: 11/21/07
170 Knowles Drive, Suite 212	Client Contact: Peter Littman	Date Extracted: 11/21/07
Los Gatos, CA 95032	Client P.O.:	Date Analyzed 11/21/07

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0711593

Lab ID	0711593-002A	Initial Pressure	12.4
Client ID	SG-1	Final Pressure	24.8
Matrix	Air		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	8.7	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	50
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	50	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	13
Chloroethane	ND	1.0	5.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND,k	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	34
1,3-Dichlorobenzene	ND	1.0	17	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	50
cis-1,2-Dichloroethene	ND	1.0	9.0	trans-1,2-Dichloroethene	ND	1.0	18
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	11	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
Isopropyl Alcohol	48	1.0	10	4-Methyl-2-pentanone (MIBK)	ND	1.0	20
Methyl-t-butyl ether (MTBE)	ND	1.0	13	Methylene chloride	ND	1.0	3.5
Naphthalene	ND	1.0	2.0	Propene	ND	1.0	50
Styrene	ND	1.0	2.0	1,1,1,2-Tetrachloroethane	ND	1.0	2.0
1,1,2,2-Tetrachloroethane	ND	1.0	2.0	Tetrachloroethene	ND	1.0	2.0
Tetrahydrofuran	ND	1.0	2.0	Toluene	66	1.0	2.0
1,2,4-Trichlorobenzene	ND	1.0	2.0	1,1,1-Trichloroethane	ND	1.0	2.0
1,1,2-Trichloroethane	ND	1.0	2.0	Trichloroethene	ND	1.0	2.0
Trichlorofluoromethane	ND	1.0	2.0	1,2,4-Trimethylbenzene	4.1	1.0	2.0
1,3,5-Trimethylbenzene	ND	1.0	2.0	Vinyl Acetate	ND	1.0	50
Vinyl Chloride	ND	1.0	2.0	Xylenes	42	1.0	6.0

Surrogate Recoveries (%)

%SS1:	94	%SS2:	102
%SS3:	100		

Comments:

*vapor samples are reported in nL/L.

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

surrogate diluted out of range or surrogate coelutes with another peak.

j) sample diluted due to high organic content; k) this compound's reporting limit does not meet the ESL for residential soil gas; m) this compound was analyzed by 8260B.

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air QC Matrix: Air WorkOrder: 0711593

EPA Method TO15	Extraction TO15				BatchID: 32048			Spiked Sample ID: N/A				
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	96.8	95.1	1.86	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	98.9	99.8	0.906	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	96.8	93.2	3.74	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	95.8	99	3.25	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	116	123	5.78	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	109	115	4.50	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	102	97.7	3.91	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	95.4	106	10.7	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	102	101	1.44	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	98.7	115	15.1	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	101	108	6.58	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	96.9	106	8.59	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	112	117	4.15	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	107	109	2.08	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	106	106	0	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	85.6	87.3	1.94	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	115	117	1.96	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	89.2	98.9	10.4	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	102	105	2.08	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	97.4	106	8.37	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	104	101	3.06	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	101	97.2	3.72	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	102	98.4	3.19	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	117	119	1.66	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	110	114	3.69	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	101	106	4.43	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	99	98.9	0.0445	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	25	N/A	N/A	N/A	106	103	2.86	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	100	101	0.497	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	98.4	102	3.42	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	102	104	1.63	N/A	N/A	70 - 130	30
4-Ethyltoluene	N/A	25	N/A	N/A	N/A	95.2	100	5.28	N/A	N/A	70 - 130	30

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Air QC Matrix: Air WorkOrder: 0711593

EPA Method TO15 **Extraction TO15** **BatchID: 32048** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Freon 113	N/A	25	N/A	N/A	N/A	99.3	101	2.05	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	104	110	5.38	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	94.4	94.1	0.342	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	97.8	103	4.83	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	97.3	94.6	2.80	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	120	121	0.321	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	105	103	1.57	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	98.3	104	5.32	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	98.1	95.8	2.40	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	94.2	94.7	0.578	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	95.2	93.6	1.76	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	98.4	96.1	2.32	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	111	114	2.55	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	102	113	10.5	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	102	101	1.52	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	99.7	99.6	0.106	N/A	N/A	70 - 130	30
Trichlorofluoromethane	N/A	25	N/A	N/A	N/A	104	118	12.6	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	86.5	89.7	3.59	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	94.8	97.3	2.65	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	98.1	107	8.71	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	97.3	97.3	0	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	95	104	8.97	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	100	103	2.86	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 32048 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0711593-001A	11/21/07	11/21/07	11/21/07 8:19 PM	0711593-002A	11/21/07	11/21/07	11/21/07 9:02 PM

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

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

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

DHS ELAP Certification N° 1644

QA/QC Officer