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Ms. Dilan Roe
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94501-6577

Subject: **Soil, Groundwater, and Soil Vapor Investigation Report**
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California
Fuel Leak Case No. RO0003014

Dear Ms. Roe:

Enclosed please find the *Soil, Groundwater, and Soil Vapor Investigation Report* (report) for the Crown Chevrolet Cadillac Isuzu site at 7544 Dublin Boulevard and 6707 Golden Gate Drive, in Dublin, California (Fuel Leak Case No. RO0003014, GeoTracker Global ID T10000001616). This report was prepared by AMEC Environment & Infrastructure, Inc. (AMEC), on behalf of Crown Chevrolet Cadillac Isuzu.

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

Please contact me at (925) 984-1426 or Avery Patton of AMEC at 510-663-4154 if you have any questions regarding this Work Plan.

Sincerely yours,

Terri Costello

Terri Costello
Betty J. Woolverton Trust

Attachment: Soil, Groundwater, and Soil Vapor Investigation Report

cc: Tondria Hendrix, Zurich North American Insurance
Thomas L. Vormbrock, Rimkus Consulting Group, Inc.
Susan Gallardo, AMEC Environment & Infrastructure, Inc.

Soil, Groundwater, and Soil Vapor Investigation Report

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Prepared for:
Crown Chevrolet, Dublin, California

Prepared by:
AMEC, Oakland, California

October 2012

Project OD10160070

SOIL, GROUNDWATER, AND SOIL VAPOR INVESTIGATION REPORT
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California
Fuel Leak Case No. RO0003014

October 19, 2012
Project OD10160070

This report was prepared by the staff of AMEC Environment & Infrastructure, Inc., under the professional supervision of Avery Patton. The findings, recommendations, specifications, and/or professional opinions presented in this report were prepared in accordance with generally accepted professional geologic practice, and within the scope of the project. There is no other warranty, either express or implied.

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SOIL, GROUNDWATER, AND SOIL VAPOR INVESTIGATION REPORT

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

AMEC Environment & Infrastructure, Inc. (AMEC), has prepared this *Soil, Groundwater, and Soil Vapor Investigation Report* (report) on behalf of the Betty J. Woolverton Trust and Crown Chevrolet Cadillac Isuzu (collectively, Crown) for the properties located at 7544 Dublin Boulevard and 6707 Golden Gate Drive in Dublin, California (the site; Figure 1). The work was performed in accordance with the *Soil, Groundwater, and Soil Vapor Investigation Work Plan* (work plan), dated August 16, 2012 (AMEC, 2012) and approved by Alameda County Environmental Health (ACEH) in an e-mail from Dilan Roe of ACEH to Terri Costello of the Betty J. Woolverton Trust, dated August 22, 2012. Any deviations from the work plan are noted herein.

This report documents the results of a field investigation and preferential pathway study performed in August and September 2012, and also includes a site conceptual model (SCM) that has been revised from that presented in the work plan based on the results and findings of the recent work. Additionally, all data collected at the site from 2008 to present, which have been submitted to ACEH in separate documents, are compiled and included herein in tabular format.

1.0 OBJECTIVE

The objective of the work was to collect additional data to address identified gaps in the current knowledge of site conditions with regard to chemical impacts to soil, groundwater, and soil vapor concentrations and the distribution of these impacts. The work was performed to evaluate specifically those impacts that could potentially have been caused by Crown Chevrolet between 1968 (when its operations began) and the present.

2.0 BACKGROUND

The site was developed in 1968 as Crown Chevrolet, a car dealership with auto body shops, on land that appears to have been used for agricultural purposes (possibly hay; www.historicaerials.com). At that time, the three main site buildings (Buildings A, B, and C) were constructed. Building A was later expanded. Building D was reportedly constructed in 1994. Operations as a car dealership and auto body shop continued from 1968 through the present, although operations have been significantly reduced in the past several years. The site originally consisted of one approximately 6.33-acre parcel, but was divided into north (4.97-acre) and south (1.36-acre) parcels in approximately 2000, when a new street,

St. Patrick Way, was constructed. The facility operations discussed above were conducted on the north parcel; the south parcel was used for vehicle parking.

It is tentatively planned that the north and south parcels will be redeveloped. Specifically, the north parcel is tentatively planned for development of 314 homes (multi-unit structures) and 17,000 square feet of retail space. The south parcel is tentatively planned for development as 76 units of affordable veterans' and other affordable housing.

Multiple investigations have been conducted at the site; these investigations have been performed to address regulatory concerns as well as in support of transactional and potential redevelopment activities. Previous investigations conducted at the site are documented in the following reports:

- March 16, 2009—Basics Environmental, Inc. (Basics), *Limited Phase II Environmental Site Sampling Report* (Basics, 2009).
- April 4, 2011—AMEC, *Revised Soil and Groundwater Investigation Report* (AMEC, 2011a).
- January 7, 2011—Ninyo & Moore, *Limited Phase II Environmental Site Assessment* (Ninyo & Moore, 2011a).
- September 16, 2011—Ninyo & Moore, *Additional Phase II Environmental Site Assessment* (Ninyo & Moore, 2011b).
- September 27, 2011—AMEC*, Soil, Groundwater, and Soil Vapor Investigation Report* (AMEC, 2011b).

Locations of samples collected during these previous investigations are shown on Figure 2. Select samples collected during these investigations have been analyzed for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), metals, polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and glycols. Based on the previous sample results, two primary environmental impacts related to the presence of VOCs were identified.

First, VOCs, primarily tetrachloroethene (PCE) and trichloroethene (TCE), have been detected in shallow groundwater and soil vapor throughout the northern portion of the north parcel (Figure 2). Biodegradation byproducts (e.g., cis-1,2-dichloroethene) are also present in groundwater and vapor, but at lower concentrations relative to PCE and TCE and below their respective environmental screening levels (ESLs), published by the California Regional Water Quality Control Board, San Francisco Bay Region (Regional Water Board; Regional Water Board, 2008); the ESLs are discussed further in this report. An exception is that vinyl chloride has been detected in soil vapor at concentrations above its ESL (Table E-2).

Second, chlorobenzenes and related compounds (e.g., 1,2-dichlorobenzene and 1,4-dichlorobenzene) have been detected in soil, groundwater, and soil vapor at a former sump and a former front-end alignment pit (former pit) within Building B.

In addition to these primary impacts, a low concentration (relative to the ESL; Table E-2) of PCE has been detected in soil vapor in the northeastern corner of the south parcel. No PCE is present above its reporting limit in groundwater in this area and no facility operations, other than vehicle parking, were conducted in the south parcel.

Remediation was performed in October 2011 at the former sump and former pit within Building B. The remediation effort included removing a total of 432 tons of VOC–affected soil, concrete, and pea gravel from the former sump and pit excavations and approximately 5,600 gallons of VOC-affected water from the sump excavation. It was not possible to excavate beneath the existing building walls, and some impacted soil remains beneath them. The remediation work completed is documented in AMEC's *Remediation Report* (AMEC, 2011c).

Inactive 10,000-gallon gasoline and 1,000-gallon waste oil underground storage tanks (USTs) are present immediately to the south of Building B. The USTs reportedly were replaced in the 1980s and upgraded in 1998. Removal of these USTs by others currently is scheduled for Fall 2012; removal will be conducted under the regulatory oversight of ACEH.

3.0 FIELD INVESTIGATION

A soil, groundwater, and soil vapor investigation was conducted from August 27 through September 10, 2012. The investigation was designed to address data gaps relative to the primary elements presented below; these data gaps were identified in the initial site conceptual model (SCM), which was presented in the work plan (AMEC, 2012). *(Methods of addressing the data gaps during AMEC's 2012 investigation are shown in parentheses.)*

- Further definition of deeper lithology on-site *(borings and wells were advanced to 60 feet below ground surface [bgs] and lithology logged)*
- Hydrogeology
  - Confirmation of groundwater flow direction *(shallow and deeper groundwater monitoring wells were installed and water levels gauged to determine flow directions)*
  - Vertical groundwater gradients *(water levels in multi-port wells were gauged to determine vertical gradients)*
- Lateral distribution of VOCs in shallow groundwater
  - Refinement of groundwater contours south (beneath Building A) and north of the higher concentration area, which is north of Building A *(groundwater samples were collected beneath and north of Building A)*
  - Distribution of VOCs at the western (presumed upgradient direction) property boundary *(groundwater samples were collected at the western property boundary)*
  - Presence of VOCs toward the east (presumed downgradient direction) and off site *(a groundwater sample was collected at the eastern property boundary; off-*

site samples have not been collected, as the source does not appear to be related to the Crown site)

- Potential presence of VOCs in deeper groundwater *(groundwater samples were collected from two deeper water-bearing zones)*
- Potential presence of DNAPL on site *(groundwater data indicate that the source of PCE is likely off-site)*
- Concentration trends in shallow and deeper groundwater *(monitoring wells have been installed to evaluate concentrations trends)* [1]
- Soil Vapor
  - Possible off-site migration of impacted soil vapor to the east, including concentration trends of VOCs in soil vapor in this area *(soil vapor samples were collected at the eastern property boundary; no vapor probes have yet been converted to permanent vapor monitoring wells, as the source does not appear to be related to the Crown site)*
  - Presence of VOCs in soil vapor in the south parcel of the site *(additional soil vapor samples were collection in the south parcel)*
- Potential for biodegradation of VOCs in groundwater *(field parameters were measured during well development and sampling)*
- Preferential pathways and sources *(a utility survey and preferential pathway study were performed, including a formal well survey)*

To address these elements, the field investigation included the following activities (Figure 2):

- collection and analysis of soil and/or grab groundwater samples from 12 temporary borings and 3 borings to be converted to groundwater monitoring wells,
- collection and analysis of soil vapor samples from 8 temporary soil vapor monitoring points,
- advancement of 2 deeper temporary borings for purposes of logging soil lithology,
- installation of 3 shallow groundwater monitoring wells, and
- installation of 4 deeper multi-port groundwater monitoring wells.

A sampling matrix is presented as Table 1 that summarizes sample collection and analyses performed during this investigation and prior investigations conducted at the site. Table 2 includes construction details for monitoring wells and temporary soil vapor probes installed at the site. The rationale for each boring location is presented in the work plan (AMEC, 2012).

3.1 DEVIATIONS FROM THE WORK PLAN

The primary deviations to the work plan are discussed in this section. Other, minor deviations (including minor variations in total depths of borings), are discussed throughout this report.

[1] Although the additional investigation did not explicitly address this item, permanent monitoring wells were installed and may be used for future sampling.

The work plan specified that grab groundwater samples would be collected from two off-site borings to the east of the Crown Chevrolet site, and two of the temporary soil vapor monitoring points would be converted to vapor monitoring wells. With verbal concurrence during a phone call between Dilan Roe of ACEH and Avery Patton of AMEC on September 19, 2012, these activities have not yet been performed.

The work plan indicated that soil samples would be collected from 5 and 10 feet bgs in boring MW-01; soil samples inadvertently were not collected from this boring. We do not believe this is material to our understanding of site conditions, as soil samples have been collected in the vicinity and, as discussed further below, we do not believe there to be a PCE source in the area.

The work plan indicated that soil samples would be collected from borings where there were field indications of impacts. However, soil samples were not collected from two borings where there was a photoionization detector (PID) reading, which can indicate the presence of VOCs. However, given the results for other soil samples in which PID readings were recorded, we do not believe this is material to our understanding of site conditions, as discussed further below, in Section 5.3.

3.2 FIELD METHODS

Prior to conducting the field work, AMEC obtained drilling permits from Zone 7 Water Agency (Appendix A). Additionally, AMEC marked the proposed boring locations with white paint, contacted Underground Service Alert, in accordance with state law, and contracted with a private utility locator to locate underground utilities in the vicinity of the proposed boring locations.

The borings were advanced under the direction of an AMEC field geologist supervised by an AMEC California Professional Geologist. Additionally, the first 5 feet of each boring was advanced using a hand auger as a precautionary measure to avoid unknown underground utilities. The hand auger was cleaned between use at each boring location by washing with a hot-water pressure washer.

3.2.1 Soil Borings

Twenty-nine soil borings (SB-33 through SB-46, MW-01 through MW-03, and MP-01 through MP-04, and SG-09 through SG-16) were advanced by PeneCore Drilling (PeneCore), of Woodland, California, or Cascade Drilling (Cascade), L.P., of Rancho Cordova, California, both California C57-licensed contractors under the supervision of AMEC field personnel. A decontaminated hand auger was used to advance the first 5 feet of each boring.

Fifteen shallow soil borings were advanced by PeneCore for soil and/or grab groundwater sample collection, including 12 temporary borings (SB-33 through SB-35, and SB-38 through

SB-46) and three borings (MW-01 through MW-03) for monitoring well installation. These borings were advanced to depths ranging from approximately 19 to 22 feet bgs using dual-tube direct-push technology (DPT) with an outside diameter of 3.25 inches.

Eight shallow soil borings (SG-09 through SG-16) were advanced by PeneCore for installation of temporary soil vapor probes. These borings were installed using a hand auger to depths ranging from approximately 5.5 to 8.5 feet bgs, with the exception of one boring (SG-12), which was advanced from approximately 5.5 to 8 feet bgs using dual-tube DPT. The outside diameter of the hand auger was approximately 3.5 inches and the outside diameter of the DPT casing was 3.25 inches.

Two deeper soil borings (SB-36 and SB-37) were advanced by Cascade so that deeper soil lithology could be logged (including noting the presence or absence of water) to allow for evaluation of appropriate depths of installation of nearby multi-port monitoring wells. The borings were advanced to depths of approximately 60 and 58 feet bgs, respectively, using dual-tube DPT with an outside diameter of 2.25 inches. The work plan specified that the borings would be advanced to 75 feet bgs; however, refusal was encountered in both borings at approximately 58 and 60 feet bgs.

The following measures were employed during DPT drilling to avoid potential cross-contamination of deeper groundwater by shallow groundwater, which is known to be impacted:

- The deeper DPT borings were advanced in areas of lower VOC concentrations in shallow groundwater (with the exception of SB-36, which was presumed to be upgradient of the highest concentrations until the investigation results indicated otherwise).
- Teflon® tape was wrapped around the DPT casing threads so that the casing joints would be water-tight (to prevent infiltration of groundwater from shallower water-bearing units while drilling to deeper depths).

Four deeper soil borings (MP-01 through MP-04) were advanced by Cascade for installation of multi-port monitoring wells. These borings were all advanced to approximately 60 feet bgs using sonic drilling technology with an outside diameter of 6 inches. It was not necessary to wrap the sonic casing threads with Teflon® tape, as they are not prone to leaking. Additionally, these borings were advanced in areas of lower VOC concentrations in shallow groundwater (with the exception of MP-01, which was presumed to be upgradient of the highest concentrations until the investigation results indicated otherwise).

A continuous core of soil was collected at each soil boring location for lithologic logging and/or collection of soil samples. Lithology was described by an AMEC field geologist under the supervision of an AMEC California-licensed Professional Geologist, using the visual-manual procedures of the ASTM International Standard D 2488 for guidance, which is based on the Unified Soil Classification System (USCS). Recovered soil was screened for the presence of

VOCs using a PID. The PID readings and field observations of the presence of any staining or odor were recorded on the lithologic logs prepared for each boring (Appendix B).

3.2.2 Soil Sampling

The work plan indicated that the soil sample depths would be based on field observations, including staining, odor, or elevated PID readings, and that if there was field evidence of chemical impacts, a soil sample would be collected from the apparently impacted soil as well as a depth interval below the apparently impacted soil to attempt to evaluate the vertical extent of the chemical impact. In the absence of field evidence of chemical impacts, the work plan specified that soil samples would be collected from approximately 5 and 10 feet bgs from selected borings.

Soil samples were collected as shown on Table 1. All samples were collected in accordance with the work plan, with the following exceptions:

- Samples inadvertently were not collected from boring MW-1. However, there were no field indications of impacts.
- PID readings and odor were noted in the capillary fringe at several borings near the northeastern corner of the site (i.e., SB-37, SB-46, MW-02, and MP-03). Samples were collected from the depths of the highest PID readings in two of these borings (SB-46 at 3.1 parts per million [ppm] and MW-02 at 306 ppm). Samples inadvertently were not collected from the other two borings. Samples were not collected from below the apparently impacted soil (as was intended, according to the work plan), because the soil was likely to be saturated, based on the depth (it is difficult to assess soil saturation in clays, but the approximate potentiometric surface depth at the site was known prior to this investigation).

Soil samples were collected for analysis of VOCs (including total petroleum hydrocarbons quantified as gasoline [TPHg]) using a field preservation method in accordance with U.S. Environmental Protection Agency (U.S. EPA) Method 5035. A laboratory-supplied plunger was used to extract three approximately 5-gram aliquots of soil for placement into laboratory-supplied volatile organic analysis (VOA) containers. One VOA container contained methanol as a preservative and the other two contained deionized water. Each sample was immediately labeled with a unique identifier and the sample collection time, and then stored in an ice-chilled cooler pending transport to the analytical laboratory under AMEC chain-of-custody procedures.

3.2.3 Soil Vapor Sampling

Eight soil borings (SG-09 through SG-16) were advanced to total depths of approximately 5.5 feet bgs or 8.5 feet bgs, using a decontaminated hand auger and/or dual-tube DPT, as described above, for collection of soil vapor samples after construction of temporary soil vapor probes in the borings.

The work plan indicated that four borings would be advanced to 5.5 feet bgs in the south parcel and four borings would be advanced to 8.5 feet bgs along the eastern property boundary in the north parcel. However, it was noted during a pre-sampling site visit that the proposed location of the westernmost boring in the south parcel was at an elevation approximately 3 feet higher than a nearby sidewalk surface (approximately 15 feet away). As a result, a decision was made in the field to advance boring SG-12, which was intended to evaluate impacts from utility lines shown on a map, to 8 feet bgs to obtain data closer to depth of the potential utility lines. Single-port soil vapor probes were installed at depths of approximately 5 or 8 feet bgs in the soil vapor borings in the south parcel, and nested soil vapor probes were installed at depths of approximately 4 and 8 feet bgs within each boring along the eastern property boundary in the north parcel.

The temporary soil vapor probes were installed and sampled in general accordance with the *Advisory—Active Soil Vapor Investigations*, jointly prepared by several groups within the California Environmental Protection Agency (Cal/EPA, 2012). Specific field methods are described in the following sections. Figure 3 shows a schematic drawing of a nested soil vapor probe.

3.2.3.1 Temporary Soil Vapor Probe Installation

Once the total desired depth was reached, new, disposable, 1/4-inch outside diameter Teflon® tubing, fitted with a 6-inch-long stainless steel filter at the bottom to prevent particulate infiltration, was placed in the boring (approximately 0.5 feet above the bottom of the boring). Approximately 12 inches of 2/12 mesh filter pack sand was placed in the bottom of the boring, with the bottom of the Teflon® tubing placed midway through the filter pack sand. The tubing was inserted within a length of approximately 1-inch-diameter PVC pipe so that the tubing and filter would be secured in place within the sand during construction of the temporary well. The PVC was removed once the tubing and filter were firmly within the sand.

Following installation of the sand pack, 6 to 12 inches of dry granular bentonite was emplaced above the sand pack. The borehole was then grouted to the surface (or, for nested vapor probes, to approximately 6 inches below the bottom of the shallower inlet), with bentonite that was hydrated continuously as the probe was installed. The bentonite was hydrated continuously by pouring water through a tremie pipe while bentonite was loaded manually from the surface. For nested temporary vapor probes, the shallower probe was then installed using the same methodology as the deeper probe. A valve was fitted to the aboveground end of the tubing at the ground surface and remained closed prior to purging and sampling, and the probe was protected at the ground surface within a zip-closure plastic bag and beneath a traffic cone. For the nested temporary vapor probes, the tubing was cut so that the tubing from the deeper probe was 6 inches longer than the shallower probe and a small piece of silicon tape or a twist tie was attached to the aboveground tubing representing the deeper probe.

3.2.3.2 Soil Vapor Equilibration

All soil vapor borings were advanced at least partially using a hand auger. Therefore, the soil vapor probes were allowed to equilibrate for a minimum of 48 hours prior to purging and sampling. Sampling was conducted at each probe at least 4 days after installation.

3.2.3.3 Soil Vapor Purging and Sampling

Following equilibration, AMEC assembled a soil vapor sampling manifold at each sample location that allowed each soil vapor sample to be collected into a 1-liter Summa™ canister. The initial vacuum on each Summa™ canister was confirmed prior to sampling using a laboratory-provided digital pressure gauge. The manifold included a Summa™ canister, flow controller, and three-way valve to allow for purging of vapor prior to sampling. Canisters, flow controllers, and the digital pressure gauge were provided by Eurofins Air Toxics, Ltd. (Air Toxics) of Folsom, California, a California Department of Public Health−accredited laboratory (Certificate No. 12282CA).

Immediately prior to sampling, the tubing and manifold were purged to clear the tubing and sample train of potential stagnant or ambient air. Because samples were collected into Summa™ canisters for analysis at a fixed laboratory and analytical results were not immediately available, a default of three purge volumes was removed before sampling at each location. One purge volume was calculated in the field based on the volume of the void space in the tubing (including the manifold) plus an estimate of the void space in the sand pack and dry bentonite (based on the total volume of sand and dry bentonite placed in the boring, multiplied by a factor of 0.4 to account for assumed porosity). The estimated purge volume calculation is presented below.

> Estimated purge volume: one purge volume ≈ (internal volume of tubing, including manifold) + (annular pore space around probe tip, including sand and dry, granular bentonite)

The vapor flow rate during purging ranged from approximately 185 to 197 milliliters per minute (mL/min), and was measured in the field using a universal pump calibrated with a volumetric air flow meter. A vacuum gauge was also installed in-line during purging. The gauge was monitored to confirm that the vacuum did not exceed 100 inches of water (approximately 7.4 inches of mercury). The vacuum did not exceed 100 inches of water at any time during purging.

Immediately following purging at each location, a soil vapor sample was collected into a 1-liter Summa™ canister, which was equipped with a flow controller that limited the flow rate into the canister to 167 mL/min. Sampling was initiated by opening a valve on the Summa™ canister. The valve was closed when pressure within the canister reached approximately negative 5 inches of mercury. Following sampling, the valve on the Summa™ canister was capped with

a fitting to prevent ambient air intrusion during shipping. The canister was immediately labeled with a unique identifier and the sample collection time, and stored in a cardboard box prior to being shipped to the analytical laboratory under AMEC chain-of-custody procedures.

3.2.3.4 Soil Vapor Sampling Quality Control

Before sampling was performed at each soil vapor probe, a “shut-in” test was applied to all aboveground sampling equipment. A vacuum between 90 and 95 inches of water (6.6 and 7.0 inches of mercury) was applied to the aboveground sampling train. The vacuum was monitored for approximately 2 minutes. If the vacuum dissipated during the shut-in test, all aboveground fittings were tightened and the test was repeated until the sampling equipment held a vacuum. All above-ground sampling equipment passed the “shut-in” test without the need to re-tighten any fittings.

A leak test was conducted during sampling at each soil vapor probe location. A shroud filled with approximately 10 to 30 percent helium was placed over the boring and all aboveground sampling equipment during purging. The concentration of helium in the shroud was measured using a hand-held field helium detector and recorded on field sampling forms (Appendix C). The final approximately 600 milliliters of purged soil vapor was collected in a Tedlar® bag, and the concentration of helium in the Tedlar® bag was measured using a dielectric MGD-2002, a hand-held field helium detector. If the concentration of helium was greater than 0.5 percent, the surface of the sample probe would be resealed and all aboveground fittings tightened. Soil vapor would be purged again and another leak test conducted. If the helium concentration was less than 0.5 percent helium, soil vapor sample collection proceeded. All helium concentrations were less that 0.5 percent helium, with the exception of the first attempt to purge probe SG-13A. The initial leak during purging of SG-13A occurred due to a poor seal at a 3-way fitting nearest to the probe. Once helium was detected in purged air, the fitting was re-sealed and the well was purged a second time (1 hour after initial purging ended). Once the fitting leak was addressed, helium was detected in air purged from the probe at an acceptable concentration (approximately 0.02 percent). As an additional quality control measure, a minimum of 10 percent of the shallow soil vapor samples collected via Summa™ canisters was analyzed for helium by the analytical laboratory.

Additionally, two soil vapor samples (SG-09 and SG-14B) were collected as blind field duplicate sample pairs. Duplicate samples were collected simultaneously with the primary samples by using a T-joint connecting two Summa™ canisters. The duplicate samples were stored in the same manner as the primary samples and were submitted to the laboratory for analysis of the same suite of constituents.

One ambient air sample was collected per day of soil vapor sampling (AA-90412 and AA-09052012), and was analyzed for the same suite of constituents as the primary samples. Ambient air samples were collected into 6-liter Summa™ canisters equipped with flow

controllers that allowed the canisters to fill over the course of the field work each day (i.e., 8-hour flow controllers). The canister was placed in an approximately upwind direction of the sampling area each day.

3.2.3.5 Probe Destruction or Conversion to Vapor Monitoring Wells

The work plan indicated that, following completion of sampling activities, all but two of the temporary vapor probes would be abandoned by pulling the probe tubing from the ground, overdrilling the probe to remove the annular materials, and backfilling the boring from total depth to ground surface with neat cement grout. The ground surface would be restored to match surrounding conditions. Two sets of nested probes would be converted to vapor monitoring wells to provide VOC concentration trends over time. For these probes, traffic-rated flush-mounted well boxes would be installed and secured with steel bolts. Based on the data received during the initial portion of the investigation, ACEH verbally indicated that AMEC should not destroy any of the temporary vapor probes at this time, but did not yet need to convert any into permanent vapor monitoring wells. Following submission of this report, it is anticipated that the above activities will be conducted, or that all soil vapor probes will be destroyed.

3.2.4 Grab Groundwater Sampling

Fifteen soil borings (SB-33 through SB-35, SB-38 through SB-46, and MW-01 through MW-03) were advanced to total depths of approximately 19 to 22 feet bgs for collection of soil and/or shallow grab groundwater samples (three of the borings, MW-01 through MW-03, were later converted to monitoring wells). The work plan indicated that borings would be advanced to approximately 15 to 20 feet bgs; however, some borings were installed in areas of higher ground surface elevation and were advanced to deeper depths in order to obtain grab groundwater samples. Once each soil boring had been advanced to total depth, temporary polyvinyl chloride (PVC) casing with 5 feet of 0.01-inch slotted screen was installed in the boring within the outer DPT casing, and the outer DPT casing was then retracted approximately 5 feet to expose the PVC screen to the water-bearing unit.

Prior to collection of all groundwater samples, the temporary monitoring points were purged using a peristaltic pump to allow for collection of more representative samples than grab samples collected without purging any groundwater. The temporary monitoring points were purged until the water was relatively free from sediment (if possible) and field parameters (e.g., dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance) were relatively stable. These measurements were recorded on well sampling/development records, copies of which are included in Appendix C. In general, field parameters stabilized, but turbidity remained relatively high in some borings. Following purging, a grab groundwater sample was collected from each boring using a peristaltic pump.

The groundwater sample was placed into laboratory-provided volatile organic analysis (VOA) containers preserved with hydrochloric acid (HCl). No groundwater samples reacted with the HCl preservative (e.g. no bubbles were observed in the VOA vials). Each sample was immediately labeled with a unique identifier and the sample collection time, and then stored in an ice-chilled cooler pending transport to the analytical laboratory under AMEC chain-of-custody procedures.

One grab groundwater sample (from boring SB-39) was collected as a blind field duplicate pair. The duplicate sample was stored in the same manner as the primary samples and submitted to the laboratory for analysis of the same suite of constituents. Four trip blanks shipped with the primary samples to the analytical laboratory and analyzed for VOCs. No equipment blanks were collected.

Following completion of sampling, the borings were backfilled with Type I/II neat cement grout using a tremie pipe, so that the boring was sealed from total depth to ground surface.

3.2.5 Groundwater Monitoring Wells

Seven groundwater monitoring wells were installed using two different methodologies. Three shallow (i.e., approximately 19 to 22 feet bgs) pre-pack monitoring wells were installed in direct push borings (MW-01 to MW-03). Four deeper (i.e., approximately 60 feet bgs), multi-port monitoring wells were installed in borings advanced using sonic drilling technology (MP-01 to MP-04).

3.2.5.1 Installation and Development of Pre-Pack Wells within Direct Push Borings

Three pre-pack monitoring wells (MW-01 through MW-03) were installed in direct push borings, following collection of a grab groundwater sample from those borings, as described in Section 3.1.4, above.

The well assembly consisted of nominal 0.75-inch diameter Schedule 40 PVC pipe with a factory-installed filter pack. Well screens come in 5-foot length sections with 0.010-inch slot sizes; one 5-foot-long screen was emplaced in each well. The factory-installed filter pack surrounds the well screen and consists of 20/40 mesh sand wrapped in a stainless steel mesh. The outside diameter of the well assembly, which includes the well casing and factory installed filter pack, is approximately 1.4 inches.

Once the total depth (20 to 22 feet bgs) had been reached and soil and/or grab groundwater samples had been collected (as described in Sections 3.1.2 and 3.1.4, above), the pre-pack well assembly was fitted with the appropriate amount of blank PVC Schedule 40 PVC riser pipe and lowered into the boring within the outer drill casing. The casing was then retracted to just above the well screen to allow the native formation to contact the pre-pack filter section. Due to the clay content of the soil, the formation generally did not collapse, and it was

necessary to add sand (#2/12) to the annular space between the pre-pack well and the boring sidewalls. Additionally, a 1-foot thick sand barrier was installed immediately above the screened well casing, and was tagged with a weighed measuring tape to ensure the sand was installed to the correct depth. Two feet of bentonite chip seal was then placed above the sand pack, and tagged to ensure proper placement using the weighted measuring tape. The bentonite was allowed to hydrate for a minimum of 30 minutes. Once the bentonite had hydrated, the remaining annular space of the well was sealed with Type I/II or Type II/V neat cement grout to approximately 6 to 8 inches below the ground surface. The wells were completed inside traffic-rated flush-mounted well boxes with locking caps and secured with steel bolts. Well construction details are included in Table 2.

Six to seven days after well installation, the wells were developed using a combination of bailing and surging (using a surge block with a check valve), and purging (using a peristaltic pump) until the water was relatively visibly clear and field parameters (e.g., dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance) were relatively stable. Development of monitoring well MW-03 was difficult due to low recharge. MW-03 was purged dry several times and considered sufficiently developed at that time. These parameters were monitored during well development and recorded on well development records, copies of which are in included in Appendix C.

3.2.5.2 Installation and Development of Monitoring Wells within Sonic Borings

Four multi-port monitoring wells (MP-01 through MP-04) were installed within borings advanced using sonic drilling technology, as described in Section 3.1.1, above. The wells were constructed using the Solinst 3-channel continuous multichannel tubing (CMT) system with three monitoring ports. Port depths targeted saturated units at approximately 15, 40, and 60 feet bgs, based on the lithology logged in the deeper direct push borings (see Table 2 for specific port depths). The wells were installed using sonic drilling technology by Cascade, a California-licensed drilling contractor trained to install CMT wells by Solinst, the manufacturer of the CMT system, and under the direct supervision of a California-licensed Professional Geologist.

The CMT tubing consists of three separate channels, each open at the top and bottom of the length of tubing. In order to construct the CMT well, approximately 6 inches of each channel of tubing was perforated at the desired port depth. The bottom of each channel (beneath the port) was filled with neat cement grout and a plug was installed in the CMT tubing channel just beneath the port; the CMT tubing was then wrapped with stainless steel mesh at the depth of the port.

Upon reaching the target depth for the well installation (60 feet bgs), the pre-fabricated CMT well was placed inside the drill casing to total depth, and annular materials were placed while incrementally retracting the drill casing. Annular materials consisted of #2/12 filter pack sand

and bentonite pellets to serve as filter packs and transition seals, respectively. Annular materials were placed as follows: first, filter pack sand was placed from the total depth of the boring to approximately 1 to 2 feet above the top of the deepest screened interval. Bentonite pellets were then placed above the filter pack sand to approximately 1 to 3 feet below the bottom of the next deepest screened interval, followed by filter pack sand to approximately 1 to 2 feet above the top of the screened interval. This process was repeated until the uppermost bentonite seal was in place and allowed to hydrate for a minimum of 30 minutes, resulting in a well with three 4-inch-long ports each surrounded by 2 to 4 feet of filter pack sand. Once the bentonite had hydrated, the remaining annular space of the well was sealed with Type II/V neat cement grout to approximately 6 inches below the ground surface. As the neat cement grout was installed, groundwater was displaced from some of the wells, and was removed at the surface using a shop vacuum and placed into 55-gallon drums pending disposal at an appropriately licensed facility. The work plan indicated that the wells would be completed inside traffic-rated flush-mounted locking well boxes; however, as locking well boxes were not available at the site, locking caps were fitted to the top of each well. The shallowest port at each well was labeled with “-1”, the middle port with “-2”, and the deepest port with “-3”, so that, for example, the deepest port from MP-02 was labeled as MP-02-3. Well construction details, including specific port depths are included in Table 2.

Six to seven days after well installation, each sample port was developed by pumping with a peristaltic pump and/or inertial lift tubing. The wells were intended to be developed until the water was relatively free from sediment and field parameters (e.g., dissolved oxygen, oxidation/reduction potential, temperature, pH, and specific conductance) were relatively stable; however, development of the multi-port wells was difficult due to low recharge. These wells were purged dry several times, and considered sufficiently developed at that time. Inertial lift tubing was not noted in the work plan as an option for sampling; however, the tubing is more cost-effective than a bladder pump and allows for sampling water at a greater depth than a peristaltic pump. Field parameters were monitored during development and recorded on well development records, copies of which are included in Appendix C.

3.2.5.3 Groundwater Elevations and Monitoring Well Sampling

Three to four days hours after development, groundwater elevations were measured and groundwater samples collected from the 3 shallow monitoring wells and 12 CMT well ports. In order to measure depths to water, well caps were first removed at all wells, and the water levels were allowed to equilibrate. Equilibration was considered complete when two depth-to-groundwater measurements collected within several minutes agreed. Depth to groundwater measurements were measured to an accuracy of 0.01 foot with an electric sounder.

Prior to sample collection, each well was purged using a low-flow technique at flow rates ranging from of 100 to 350 milliliters per minute (mL/min). During purging, the following field

measurements were recorded and documented on field records: dissolved oxygen, oxidation/reduction potential, temperature, pH, specific conductance, and turbidity. Purging was considered complete when these parameters had stabilized (i.e., when three consecutive readings of the water quality parameters are within approximately 10 percent of each other, if possible). However, sampling was difficult due to low recharge at the monitoring well MW-03 and at each of the two deeper ports at monitoring wells MP-01 through MP-04. These wells were purged dry and then sampled; field parameters did not stabilize. Following purging, groundwater samples were collected from each well into laboratory-provided VOA containers preserved with HCl, using a peristaltic pump. Each sample was immediately labeled with a unique identifier and the sample collection time, and then stored in an ice-chilled cooler pending transport to the analytical laboratory under AMEC chain-of-custody procedures.

Blind field duplicate groundwater samples were collected from two monitoring wells (i.e., MW-1 and MP-2-1). The duplicate samples were collected and stored in the same manner as the primary samples and submitted to the laboratory for analysis the same suite of constituents

3.2.6 Decontamination

All reusable sampling equipment was decontaminated prior to sampling and between use at each boring using a hot-water pressure washer or using a Liqui-Nox® wash solution followed by a final rinse of distilled water.

3.2.7 Surveying

The temporary soil vapor monitoring wells, soil and grab groundwater sample locations, and groundwater monitoring wells were surveyed following installation by Kister, Savio & Rei, Inc., of Pinole, California, a California Licensed Land Surveyor. The top of casing (horizontal and vertical coordinates) and ground surface (vertical coordinates) were surveyed to a vertical accuracy of 0.01 foot and a horizontal accuracy of 0.1 foot. The survey data are included in Appendix D.

3.2.8 Investigation-Derived Waste

Investigation-derived wastes, including soil drill cuttings, purge water, and equipment wash water, were stored at the site in 55-gallon drums pending off-site disposal. On September 25, 2012, the drums were picked up by American Integrated Services, Inc. (AIS), and shipped to an appropriately-licensed facility. Liquids were shipped to Crosby and Overton in Long Beach, California, and soil was shipped to Potrero Hills Landfill in Suisun City, California. Copies of the waste disposal manifests are included in Appendix E.

3.3 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples were delivered to TestAmerica Laboratories, Inc. (TestAmerica), of Pleasanton, California, a California Department of Public Health−accredited

laboratory (Certificate No. 2496). The soil and groundwater samples were analyzed for VOCs (including TPHg) using U.S. EPA Method 8260B.

The soil vapor samples were delivered to Eurofins Air Toxics, Inc., of Folsom, California, a California Department of Public Health−accredited laboratory (Certificate No. 12282CA). The soil vapor samples were analyzed for VOCs using U.S. EPA Method TO-15. Selected soil vapor samples were also analyzed for helium, which was used for purposes of leak testing during the investigation.

As discussed above, blind field duplicate groundwater and soil vapor samples were collected from approximately 10 percent of the borings and wells during the sampling event and analyzed for the same suite of constituents as the primary samples.

Additionally, to assist with waste disposal profiling, one composite sample of soil cuttings and one composite sample of groundwater, decontamination water, and purge water generated during the investigation were analyzed for Title 22 metals, using U.S. EPA Method 6010B, with the exception of mercury, which was analyzed using U.S. EPA Method 7470A/7471A; and TPH as diesel, motor oil, and hydraulic oil (TPHd, TPHmo, and TPHho), using U.S. EPA Method 8015B. Additionally, the water sample was analyzed for VOCs using U.S. EPA Method 8260B. Results for the investigation-derived waste (IDW) samples (i.e., IDW-1 and IDW-2) are included with the laboratory reports in Appendix F.

4.0 DATA QUALITY REVIEW

AMEC evaluated the analytical data generated during this investigation, and the data generated by other consultants during previous investigations, using guidelines set forth in the U.S. Environmental Protection Agency's (EPA's) USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (U.S. EPA, 2008). The complete data quality review, which was reviewed and acknowledged by an AMEC quality assurance/quality control (QA/QC) senior technical reviewer, is included in Appendix G, and summarized below.

Data accuracy was assessed by the analysis of LCS, LCSD, MS samples, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated relative percent difference (RPD) between the data sets. Results for LCS/LCSD, MS/MSD, and field duplicate sample pairs (as available) were evaluated to assess the precision of the analytical methods for the soil sample data.

Qualified data are included in the data summary tables in the main body of this report (with the exception of analytes that have not been detected at the site, which are not tabulated). Data qualifiers for AMEC's August-September 2012 sampling event are hand-written onto the laboratory analytical reports in Appendix F.

4.1 DATA QUALITY REVIEW PROCEDURES - AMEC INVESTIGATION

Quality assurance procedures for soil samples collected during AMEC's August and September 2012 investigation included the collection and analysis of matrix spike/matrix spike duplicate (MS/MSD) samples; laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs); and evaluation of the analytical results.

Quality assurance procedures for groundwater samples (grab groundwater samples and samples from monitoring wells) included the collection and analysis of three blind field duplicate samples and two MS/MSD samples; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs; and evaluation of the analytical results.

Quality assurance procedures for soil vapor samples included the collection and analysis of two blind field duplicate samples and two ambient air samples; laboratory analysis of lab blank samples, surrogate spikes, and LCS/LCSDs; review of the laboratory continuing calibration verification summary; and evaluation of the analytical results.

Based on AMEC's evaluation of data quality collected during the August-September 2012 investigation, some data were qualified as positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"). Some data were qualified as not detected at a level greater than or equal to the laboratory reporting limit, but the laboratory reporting limit is approximate and may be inaccurate or imprecise (qualified with "UJ"). In addition, some results were qualified as "R" to indicate the sample results are rejected due to serious deficiencies in the ability to meet quality control criteria; the presence or absence of the analyte cannot be verified. Overall, the results of the data quality review indicate that the majority of analytical results are valid and useable, with the exception of the rejected results. The data, as qualified, are acceptable and can be used for decision-making purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

4.2 DATA QUALITY REVIEW PROCEDURES - INVESTIGATIONS PERFORMED BY OTHER CONSULTANTS

Quality assurance procedures for soil and groundwater samples collected by Basics and Ninyo & Moore included laboratory analysis of method blank samples, surrogate spikes, MS/MSDs, and LCS/LCSDs. Quality assurance procedures for soil vapor samples included

laboratory analysis of lab blank samples, surrogate spikes, and LCS/LCSDs; review of the laboratory continuing calibration verification summary; and evaluation of the analytical results.

Based on AMECs evaluation of data quality collected by Basics and Ninyo & Moore, some data were qualified as positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"). Overall, the results of the data quality review indicate that the analytical results are valid and useable. The data, as qualified, are acceptable and can be used for decision-making purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

5.0 RESULTS

The observations and analytical results of the field work conducted in August and September 2012 are summarized in the following sections, including lithology, groundwater flow, and chemical results.

The data collected during the investigation are summarized in Tables 2 through 12 and illustrated on Figures 4 through 13, and are specifically referenced below. Copies of the laboratory analytical reports and sample chain-of-custody records are included in Appendix F. These data are also aggregated into the overall site conceptual model (SCM) that is presented in Section 7 and on Table 13.

Soil, groundwater, and soil vapor results are compared to ESLs published by the Regional Water Board, based on a residential land use scenario, and assuming that groundwater is a drinking water resource (Regional Water Board, 2008). The soil results are compared to the lowest of the values shown in Table A-1, for shallow soil in a residential land use scenario, where groundwater is a current or potential drinking water resource. The groundwater results are compared to the lowest of the values shown in Table F-1a, for groundwater that is a current or potential drinking water resource (for VOCs, these ESLs also consider the potential for vapor intrusion into buildings. The soil vapor results are compared to Table E-2, to evaluate potential vapor intrusion concerns.

The ESLs were developed to address environmental protection goals for different pathways. As described by the Regional Water Board, ESLs are conservative screening levels that correspond to an acceptable risk level; concentrations of the constituents below their respective ESLs can be considered to pose no significant risk, within noted limits. Concentrations of constituents above their respective ESLs do not necessarily indicate a risk is present, but rather suggest that additional evaluation is warranted.

5.1 LITHOLOGY AND FIELD OBSERVATIONS

Most of the borings were advanced to depths up to 22 feet bgs, while six borings were advanced to approximately 60 feet bgs (i.e., SB-36, SB-37, and MP-1 through MP-4).

Asphalt or concrete were present at the ground surface at all boring locations, with aggregate base present immediately beneath. The aggregate base was underlain by lean clays with varying amounts of sand (up to 45 percent to approximately 20 feet bgs, including a 1- to 4-foot-thick layer of black or very dark gray lean clays with approximately 90 percent fines generally found immediately beneath the aggregate base. The clays were interbedded with clayey sands and/or poorly graded sands from approximately 3 to 20.5 feet bgs, and ranged in thickness from approximately 3 inches to 4 feet (with most less than 1.5 feet thick), although coarse units were absent from several borings (i.e., SB-33, SB-42, SB-45, and MW-02). In the six borings advanced to approximately 60 feet bgs, lean clays (with varying amounts of sand) were present from shallower than 20 feet bgs to depths ranging from 35.5 to 43 feet bgs. Discontinuous sand and/or gravel lenses were present within the clays from approximately 35.5 to 52 feet bgs, and clayey sands or gravels were encountered beginning at approximately 54 to 58 feet bgs, extending to the total depth drilled (60.5 feet bgs).

In total, three water-bearing zones were identified during this investigation. Saturated soils were observed as follows:

- in coarse lenses at depths ranging from approximately 12 to 20 feet bgs where coarse units were present;
- in thin, discontinuous coarse lenses at approximately 35.5 to 52 feet bgs; and
- in an apparently continuous layer of clayey sands from approximately 54 to 60.5 feet bgs, the total depth drilled.

Saturated soil was not observed in all borings, likely due to the high clay content of the soil. Additionally, sonic drilling technology creates heat and can cause soils to appear unsaturated when removed from the drill casing.

Odor and/or PID readings were encountered in several of the borings; but no stained soil was observed. PID readings up to 306 ppm were recorded at depths ranging from approximately 11 to 16 feet (i.e., near the top of the saturated zone) from borings SB-37, SB-46, MW-02, and MP-03.

The boring and well construction logs for this investigation are provided in Appendix B.

5.2 GROUNDWATER FLOW DIRECTION AND GRADIENT

Depths to groundwater in the newly installed on-site monitoring wells (MW-01 through MW-03, and MP-01 through MP-04) were measured on September 6, 2012. Depths to groundwater and calculated groundwater surface elevations are shown in Table 3. Shallow groundwater at the site moves in an approximately easterly direction and the magnitude of the lateral hydraulic gradient is approximately 0.00290 foot per foot. Deep groundwater at the site moves in an approximately northeastern direction and the magnitude of the lateral hydraulic gradient is approximately 0.00714 foot per foot. Note that the deeper wells are located close to an

east-west trending line, making it difficult to gauge the precise direction of groundwater movement. Lateral gradients were not evaluated for the second water-bearing zone, as the depth to water measured in the second deepest port of one well (MP-03-2) did not appear to be representative of the potentiometric surface and not enough additional data were available to evaluate the direction of groundwater movement. Potentiometric surface maps for first and third water-bearing zones are presented in Figures 3 and 4, respectively.

Downward vertical hydraulic gradients were calculated for the intervals between the first and second water-bearing zones (i.e., from approximately 15 to 45 feet bgs) and between the second and third water-bearing zones (i.e., from approximately 45 to 60 feet bgs) in multi-port wells MP-01 through MP-04. For the approximately 15- to 45-foot interval, downward vertical gradients ranged from 0.040 to 0.088 foot per foot. For the approximately 45- to 60-foot interval, downward vertical gradients ranged from 0.045 to 0.084 foot per foot. Vertical gradients were not calculated for monitoring well MP-03, as the depth to water measured in the second deepest port (MP-03-2) did not appear to be representative of the potentiometric surface.

5.3 SOIL ANALYTICAL RESULTS

Sixteen soil samples were collected between 5 and 13.8 feet bgs from nine selected borings (SB-33 through SB-35, SB-38 through SB-41, MW-02 and SB-46) during this investigation (in an area identified to be a potential source area prior to the investigation) and were analyzed for VOCs plus TPHg. Soil sample results for VOCs and TPHg are presented in Tables 4 and 7.

VOCs were not detected in the sixteen soil samples collected as part of this investigation with the exception of low concentrations of PCE (in soil samples from seven borings) and TCE (in soil samples from two borings). PCE was detected at low concentrations (i.e., up to 48 micrograms per kilogram [µg/kg]) in soil samples from 5 and 10 feet bgs in the western portion of the north parcel (borings SB-33 to SB-35 and SB-38 to SB-41). TCE was detected at low concentrations (i.e., up to 7.4 µg/kg) in soil samples from 11 and 13.8 feet bgs in borings MW-02 and SB-46, respectively, in the northern part of the north parcel. The low-level detections of VOCs over a relatively large area are presumed to quantify VOCs that are present in soil vapor, and do not appear to represent a source of VOCs in site soil.

TPHg was not detected in the sixteen soil samples collected as part of this investigation, with the exception of concentrations of TPHg detected in two soil samples collected in the northern portion of the north parcel. Soil samples collected from borings MW-02 and SB-46 from 11 and 13.8 feet bgs, respectively, had TPHg detections at concentrations of 3.2 and 1.6 mg/kg, respectively. It should be noted that PID readings were noted at comparable depths in borings SB-37 and MP-02. Samples inadvertently were not collected from the depths of the PID readings in these borings, but it is likely that TPHg is present in soil within the capillary fringe in those borings as well (based on the proximity to the historical Montgomery Ward plume; see

Section 7.2.1.1). However, PID readings were highest (306 ppm) in boring MW-02, where TPHg was detected at 3.2 mg/kg (the ESL is 84 mg/kg), so it is likely that TPHg is present at similar or lower concentrations in borings SB-37 and MP-02.

All detected concentrations of PCE, TCE, and TPHg were well below their respective ESLs (370 µg/kg, 460 µg/kg, and 83 mg/kg, respectively) for shallow soil where groundwater is considered to be a potential drinking water resource.

5.4 GROUNDWATER ANALYTICAL RESULTS

Shallow grab groundwater samples were collected from the first water-bearing zone in borings SB-33 through SB-35, SB-38 through SB-46, and MW-01 and MW-03 (before pre-pack monitoring wells were installed) during this investigation and were analyzed for VOCs and TPHg. Following installation and development of monitoring wells MW-01 through MW-03 and MP-01 through MP-04, groundwater samples were collected from the first, second, and third water-bearing zones and analyzed for VOCs and TPHg. Groundwater sample results for VOCs and TPHg are presented in Tables 5 and 8; isoconcentration contours for PCE and TCE are presented on Figure 6.

5.4.1 Shallow Grab Groundwater Samples

VOCs were not detected in the 15 grab groundwater samples collected as part of this investigation, with the exception of PCE, TCE, cis-1,2-dichloroethene (cis-1,2-DCE), and 1,2-dichlorobenzene.

PCE, TCE, cis-1,2-DCE, and/or 1,2-dichlorobenzene were detected in the 12 grab groundwater samples collected in the northern parking lot (SB-33 through SB-35, SB-38 through SB-46) and in the grab groundwater samples collected from MW-01 to MW-03 during this investigation. PCE was detected in all 15 grab groundwater samples, and TCE was detected in 2 grab groundwater samples (SB-46 and MW-02) at concentrations greater than the ESL for groundwater that is assumed to be a potential drinking water resource (5 micrograms per liter [µg/L] for both PCE and TCE). PCE was detected at concentrations up to 210 µg/L and TCE was detected at concentrations up to 9.2 µg/L. Cis-1,2-DCE was detected in two samples (SB-46 and MW-02) at concentrations below the ESL of 65 µg/L.1,2-Dichlorobenzene was detected in one sample (from monitoring well MW-03) at a concentrations below the ESL of 65 µg/L.

TPHg was detected in several grab groundwater samples, but is judged to be a false positive result that likely represents PCE (all TPHg results in shallow groundwater were rejected; see Section 4.1).

5.4.2 Groundwater Samples from Shallow Monitoring Wells

PCE and/or TCE were detected in groundwater from monitoring wells MW-01 through MW-01, and MP-01-1 through MP-04-1, screened within the first water-bearing zone within the northern portion of the north parcel. Additionally, cis-1,2-DCE was detected in groundwater from one monitoring well (MP-02-1), and dibromochloromethane, chloroform, and bromodichloromethane were detected in groundwater from another monitoring well (MW-03, which is located within Building B).

PCE and TCE were present in some wells at concentrations greater than their respective ESLs for groundwater that is assumed to be a potential drinking water resource. PCE was detected in shallow groundwater samples collected from each of the seven wells at concentrations up to 160 µg/L (MW-01) and TCE was detected in shallow groundwater samples from five wells at concentrations up to 19 µg/L (MP-02-1).

No other VOCs were detected at concentrations greater than their respective ESLs, with the exception of TPHg, which was judged to be a false positive result that likely represents PCE (all TPHg results in shallow groundwater were rejected; see Section 4.1).

Results from monitoring wells MW-01 through MW-03 were used to develop the isoconcentration contours for PCE and TCE on Figure 6. Results for monitoring wells MP-01 through MP-04 (i.e., MP-01-1, MP-2-01, MP-03-1, and MP-04-1) were excluded from the isoconcentration contours on Figure 6 because the shorter screen intervals for the CMT wells (4 inches versus 5 feet) provided results that were not directly comparable to results from the monitoring wells with longer screen intervals.

5.4.3 Groundwater Sample Results from Deeper Zones

Results for groundwater samples collected from the deeper water-bearing zones are discussed in the following sections.

5.4.3.1 Second Water-Bearing Zone

No VOCs or TPHg were detected in samples collected from the second water-bearing zone, with the exception of two acetone detections that are judged to be false positives (likely laboratory contaminants), as acetone is not a constituent of concern in shallow groundwater.

5.4.3.2 Third Water-Bearing Zone

No VOCs were detected in samples collected from the third water-bearing zone, with the exception of two acetone detections that are judged to be false positives (likely laboratory contaminants), and TPHg, which was detected in one sample collected from the third water-bearing zone (MP-04-3) at a concentration of 86 µg/L, less than the ESL of 100 µg/L.

5.5 SOIL VAPOR ANALYTICAL RESULTS

Twelve soil vapor samples were collected from eight locations in both the north (SG-13 to SG-16) and south (SG-09 to SG-12) parcels. Soil vapor samples were collected from two depths (4 and 8 feet bgs) in four nested probes in the eastern portion of the north parking lot, and from one depth (5 or 8 feet bgs) in each of the four probes in the south parcel during this investigation, and were analyzed for VOCs. Soil vapor results are presented in Table 6 and on Figures 7 through 9. Figure 7 includes isoconcentration contours for PCE and TCE.

In the north parcel (SG-13 to SB-16), PCE was detected at concentrations greater than its ESL (of 410 µg/m^3) in two deeper soil vapor samples (at estimated concentrations of 700 and 2,700 µg/m^3 in samples SG-15B and SG-16B, respectively); results for the corresponding shallower samples were significantly less (i.e., estimated concentrations of 74 and 92 µg/m^3; Figure 7).

In the south parcel (SG-09 to SG-12), PCE was detected at concentrations ranging from 48 to 94 µg/m^3 in an area surrounding a detection of 94 µg/m^3 during a previous investigation (SV-25; Figure 8).

Toluene and m,p- and/or o-xylenes were detected in all soil vapor samples, but at concentrations below their respective ESLs; concentrations of these constituents were greater in the shallower samples than in the corresponding deeper samples in the north parcel (Figures 9).

Various other VOCs, including (but not limited to) benzene, chlorobenzene and ethylbenzene, were also detected in some of the soil vapor samples, but at concentrations below their respective ESLs.

5.6 CLARIFICATION OF HISTORICAL RESULTS

During meetings with ACEH on July 12 and 18, 2012, ACEH requested clarification on several points regarding historical reporting of site data. These items are addressed below.

1) ACEH requested that the data collected by other consultants be thoroughly evaluated for its suitability in incorporating the data into the evaluation of site conditions.

   AMEC has relied upon data collected by Basics and Ninyo & Moore for purposes of evaluating environmental conditions at the site. In order to do so, AMEC evaluated the data in accordance with the National Functional Guidelines (US EPA, 2008), as discussed above, in Section 4.2.The validated analytical results for all data collected from 2008 to present are presented in Tables 4 through 11.

   All the data collected by other consultants are valid and useable, with the exception that we do not believe that TPHd and TPHmo are present in groundwater throughout

the site. This conclusion is based on the fact that subsequent investigations have not replicated any of the TPHd and TPHmo results generated from the Basics investigation. It is our interpretation that the anomalous data is not the result of a laboratory issue, but likely resulted from sample collection procedures that may have compromised the representativeness of the samples. This is discussed further, in Section 7.3.2, below.

2) ACEH noted that during the Ninyo & Moore August and September 2011 investigation, soil samples were not analyzed from some borings (NM-B-33 through NM-B-36) advanced in what was thought to be the area of highest on-site PCE concentrations. The lack of soil sample analysis was inadvertent. During the AMEC's August and September 2012 investigation, soil samples were collected from borings advanced in the approximate area of the Ninyo & Moore borings where soil samples were not analyzed. Additionally, the results from the recent investigation indicate that the highest concentrations of PCE are present farther west of these borings, where soil samples have been collected. There is no remaining data gap with regard to VOCs in soil.

3) In 2011 AMEC asked TestAmerica to report data for all VOCs from borings SB-01 and SB-02, which were previously only analyzed for TPHg. ACEH requested that AMEC confirm that all necessary quality assurance/quality control measures had been run by the lab for the whole suite of VOCs. A data quality review of the associated lab report was performed prior to reporting the data in AMEC's September 2011 report (AMEC, 2011b), which confirmed that the data were valid and useable and that the appropriate quality control methods were undertaken by the laboratory for the new data.

4) ACEH requested that boring logs from previous AMEC investigations show the depth to first saturated soil or stabilized depth to water.

   These boring logs have been revised to include the depth to first saturated soil (if encountered) and surveyed location (if surveyed in September 2012), and are included in Appendix B, along with the boring logs from the Basics and Ninyo & Moore investigations. The stabilized depth to groundwater is only included on logs for the recently installed monitoring wells, because, due to the clay content of the soil, water entered most grab groundwater borings slowly and it was difficult to assess whether or not the water level measured at the time of grab sample collection represented a stabilized water level.

5) ACEH noted that there were inconsistencies between the number of borings shown on the figures, discussed in the text, and requested in the permit in the *Soil, Groundwater, and Soil Vapor Investigation Report* (AMEC, 2011b).

The above-referenced report indicated that a cone penetrometer test (CPT) boring (SB-13) was advanced within Building B and two companion borings were advanced adjacent to the CPT boring for collection of grab groundwater samples at two depths, but only one boring location was shown on the figure included in the report. The locations of the companion borings (SB-13-GW-2 and SB-13-GW-3) are now shown independent of the location of the CPT boring on Figure 2.

Additionally, AMEC's permit application included locations of seven borings, while only three borings were reported in the investigation report. Additional borings were initially requested on the permit to include an additional CPT boring, which was advanced adjacent to the former sump for purposes of a geotechnical evaluation prior to the sump excavation. The location of this second CPT boring is included on Figure 2. Additionally, the total number of borings to be advanced had not yet been ascertained at the time of permitting; ultimately, AMEC did not advance the number of borings that were covered by the permit. The two CPT log plots are included in Appendix B.

6) ACEH noted that some laboratory reporting limits were greater than the ESLs for certain constituents. A brief discussion of laboratory reporting limits that are greater than ESLs is presented below.

- Reporting limits for various VOCs (including benzene, PCE, TCE, and vinyl chloride) and naphthalene were greater than their respective ESLs in borings advanced in the vicinity of the former sump and former pit, including for soil samples from borings SB-03, NM-B-6, SB-25, the confirmation samples collected during remediation (SUMP- and PIT- samples); and groundwater samples B8, NM-B-6, and the water sample collected from within the sump excavation. The elevated reporting limits are likely due to the higher concentrations of other VOCs in the same samples, which necessitated sample dilution. It is judged that there is sufficient data for PCE, TCE, and vinyl chloride in soil and groundwater from nearby sampling locations to conclude that there is not a significant release of any of these constituents from the former sump or former pit. Benzene has been detected at concentrations greater than the ESL in nearby samples and its distribution is understood. Therefore, the elevated reporting limits are not materially significant relative to our understanding of site conditions.
- Reporting limits for 1,2-dibromo-3-chloropropane (for soil and groundwater samples), 1,2-dibromoethane (for soil and groundwater samples), 1,2-dichloroethane (for soil samples only), and hexachlorobutadiene (for groundwater samples only) were greater than their respective ESLs in soil samples collected by AMEC and Ninyo & Moore. However, none of these constituents were detected in any sample, and there is no known source of these constituents in soil at the site. As such, it is judged that these compounds are not constituents of concern at the site.
- Reporting limits for various VOCs in soil vapor (including benzene, 1,4-dichlorobenzene, naphthalene, PCE, and/or vinyl chloride) were greater than their respective ESLs in samples SV-1, SV-13, SV-14, and SV-23 (and naphthalene only

in SG-03 and SG-04). However, a significant amount of soil vapor data is available from nearby samples where reporting limits are less than their respective ESLs; the data with elevated reporting limits are not material to our understanding of site conditions.

- The laboratory *reporting limits* for all grab groundwater samples analyzed for TPHmo and TPHho in which these petroleum hydrocarbons were not detected ranged from 110 to 320 µg/L for TPHmo and 500 to 540 µg/L for TPHho. The ESL is 100 µg/L for both compounds. The *method detection limits (MDLs)* for TPHmo ranged from 130 µg/L to 140 µg/L, and TPHmo was not detected at or above the MDL in any groundwater sample. It is possible that TPHmo is present at concentrations between the ESL and MDL, but it has not been detected in soil, and there is no indication of a significant release to groundwater. The MDL for TPHho analyses ranged from 37 to 40 µg/L and TPHho was only detected at or above the MDL in one sample, at an estimated concentration that is less than the ESL.
- Reporting limits for several PAHs (benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenz[a,h]anthracene, and ideno[1,2,3-cd]pyrene) were greater than their respective ESLs in the groundwater samples collected from four borings (SB-11, SB-12, SB-24, and the duplicate from SB-04). However, these PAHs were not detected in six other groundwater samples, where reporting limits were less than ESLs. Based on the available data, PAHs are not constituents of concern at the site.
- Reporting limits for all PCBs were greater than their respective ESLs for the soil samples collected from 4 feet bgs in boring B5 and from 8 feet bgs in boring SB-23. One PCB was detected at a low concentration (i.e., less than the ESL) in one sample (NM-B-5-4.5-5.0), but PCBs were not detected in 15 other samples analyzed for PCBs, where reporting limits were less than ESLs. Based on these data, PCBs are not constituents of concern at the site.

7) The ESL for trans-1,2-dichloroethene was reported incorrectly in the *Soil, Groundwater, and Soil Vapor Investigation Report* (AMEC, 2011b). The ESL has been corrected in this report from 1 µg/L to 10 µg/L (Table 5). No results were reported in the 2011 report between above the incorrect or corrected ESL, so this correction does not affect our conclusions.

8) ACEH requested rationale for the absence of specific analyses in some samples:

- Chromium in groundwater—AMEC intended to analyze samples collected in 2010 for dissolved chromium; however, the samples inadvertently were placed into a preserved container and analyzed by the laboratory without being filtered. Upon noting the error, AMEC asked the laboratory to filter extra water from an additional unpreserved container and analyze for dissolved chromium. However, the dissolved chromium results were qualified as estimated, as they were not preserved in the field and the analysis was conducted outside of the holding time
- Deeper groundwater sample—ACEH inquired why the deeper groundwater samples collected from boring adjacent to the former sump (SB-13-GW-2 and SB-13-GW-3) were analyzed only for VOCS, TPHg, TPHd, TPHmo, and naphthalene. Shallow groundwater in the vicinity had already been analyzed for the full suite of PAHs, metals, glycols, TPHho, and other petroleum hydrocarbons. Naphthalene was the

only PAH detected (at concentrations less than the ESL), and it was judged that there was no significant impact to shallow groundwater from the other constituents analyzed. The analyte list subsequently was reduced for the deeper groundwater samples.

6.0 PREFERENTIAL PATHWAYS STUDY

As requested by ACEH in its August 3, 2012, letter to the Betty J. Wooverton Trust and Crown, a preferential pathway study was conducted to further identify on-site and nearby off-site utilities that could act as potential sources or preferential pathways and also gather contemporary information regarding water-producing, monitoring, and cathodic wells that could act as vertical conduits or, in the case of water-producing wells, serve as a potential receptors to impacted groundwater.

6.1 UTILITY SURVEY

On September 11, 2012, NorCal Geophysical Consultants, Inc. (NorCal), of Cotati, California, performed a utility survey of the northern parking lot at the site. NorCal used metal detection, electromagnetic line locating, and ground penetrating radar (GPR) to identify the locations of potential subsurface utilities and other features (e.g., abandoned underground tanks) that could act as preferential pathways for contaminant transport. Due to site conditions (e.g., high clay content in soil), the maximum depth that was able to be assessed via the GPR was approximately 3 to 4 feet bgs.

The features identified by NorCal are shown on Figure 2 and NorCal's report is included in Appendix H. It can be assumed that each subsurface feature is present within a 1- to 2-foot wide trench backfilled with coarse-grained material (e.g., sand or gravel) from the ground surface to approximately 1 foot below the bottom depth of the utility. Where possible, these utilities and their associated trenches are shown on cross sections for the site (Figures 10 through 13).

NorCal mapped some previously-unidentified shallow utilities (less than than 3 or 4 feet bgs) that could act as preferential pathways for vapor migration, but did not identify additional sewer drain lines to the west of the known north-south trending sanitary sewer lateral that could potentially act as conduits for migration of PCE from the known sanitary sewer lateral to the area of highest PCE concentrations in the western portion of the north parcel.

6.2 WELL SURVEY AND HISTORICAL REVIEW

The results of a well survey, a review of historical data, and an assessment of nearby surface water bodies are summarized below.

6.2.1 Well Survey

Data regarding off-site wells was requested from the California Department of Water Resources and Zone 7 Water Agency to identify water-producing, monitoring, and cathodic

wells within a radius of 1 mile from the site. Most of the wells within 0.5 mile of the site appear to be shallow monitoring wells (less than 40 feet deep) associated with service stations, the freeway right-of-way, and commercial sites with current or historical environmental cases. Sixteen wells associated with service stations were identified within 500 feet to the north or northeast of the site. The nearest identified production wells appear to be approximately 1/3 mile east and 1/2 mile northwest and southeast of the site. The precise locations of the wells identified in the well survey are not public information and, therefore, have not been included in this report.

6.2.2 Historical Review

A historical review was also requested from Environmental Data Resources, Inc. (EDR). The EDR report is included in Appendix I, and includes historical aerial photographs and topographic maps. Based on a review of the EDR report, the site was undeveloped prior to 1968, when it was developed into the current facility (with some additions between 1968 and today). While historical use of the site appears to be agricultural prior to 1968, no features that could be well houses are visible on historical aerial photographs (and no such features were identified during the utility survey).

Prior to the mid-1970s, the surrounding area was primarily used for agriculture. By 1975, the shopping center currently present to the north of the site was under construction and the surrounding area was developed for commercial use. Residential neighborhoods were built to the east of Highway 680, north of Amador Valley Road, and west of Foothill Road. Since the 1970s, the surrounding area has remained primarily commercial. The city directory indicated that the local businesses included service stations, restaurants, financial institutions, business offices, and retailers selling furniture, pianos, groceries, and other goods.

6.2.3 Nearby Surface Water Bodies

The nearest surface water bodies to the site are two culverted creeks; Martin Canyon Creek flows from a gully west of the site, enters a culvert north of the site, and then bends to the south, passing approximately 1,000 feet east of the site before flowing into the Alamo Canal. Dublin Creek flows from a gully west of the site, enters a culvert approximately 750 feet south of the site, and then joins Martin Canyon Creek approximately 750 feet southeast of the site. Historical topographic maps show that the locations of the creeks did not change significantly when they were culverted, which appears to have occurred between 1906 and 1947, based on the creeks appearing as more linear on a 1947 topographic map than they were on a 1906 map. As the creeks are culverted, they would likely not be impacted by groundwater containing PCE.

6.3 REVIEW OF POTENTIAL OFF-SITE SOURCES OF PCE

Research was conducted to identify potential off-site sources of PCE, including review of historical site documents (Phase I Environmental Site Assessments prepared by Basics [Basics, 2008] and AEI Consultants [AEI Consultants, 2008]); Regional Water Board files available in the GeoTracker database; California Department of Toxic Substance Control files available in the EnviroStor database; ACEH files available on the Alameda County website; and review of additional documents identified through online research on the City of Dublin website.

A petroleum release occurred at the former Montgomery Ward property, which is across Dublin Boulevard and north of the site. This case, which was under the oversight of ACEH, was closed in 1998. As the case involved a leaking UST, groundwater was not tested for chlorinated solvents; however, in 1994, a selected number of grab groundwater samples collected at a property immediately east of the Crown site were tested for VOCs (including PCE) by U.S. EPA Method 8260, and no VOCs were detected (Environmental Audit, Inc., 1994b). More detail on the former Montgomery Ward site and the former Quest Laboratory site, located just south of the Crown property, is included in the SCM (Table 13).

Four currently operating dry cleaners have been identified west (upgradient) of the Crown site; those are plotted on a map of the sanitary sewer system maintained by the Dublin San Ramon Services District (DSRSD) in Appendix J. Crow Canyon Cleaners at 7272 San Ramon Road, has a known groundwater contamination issue (however, that site is approximately 0.5 mile from the Crown site and groundwater at the site has limited impact with a maximum PCE concentration of 23 µg/L).Two of the other identified dry cleaners, VIP Quality Cleaners at 7214 Regional Street and “Dry Clean 1 Hour” at 7257 Regional Street, are slightly closer to the Crown site (approximately 0.3 mile west); however, there are no documented releases at these two properties. These three properties appear to be served by sewers that flow north, away from the Crown site, but any potential releases from these dry cleaners or sewers serving them could have impacted groundwater moving toward the Crown site. The fourth dry cleaner, 1-800-DryClean of Dublin at 7172 Regional Street, may be served by a sewer line that flows south, toward the Crown site. No currently operating or historical dry cleaners have been identified south of Dublin Boulevard (i.e., west-southwest of the highest PCE concentrations) at this time.

Several vehicle-maintenance related shops are located south of the site; these facilities appear to be served by a sewer that flows north along the western edge of the Crown site. Other such facilities are located west of the site. It is possible that PCE was released to the subsurface upgradient of the site via the sewer line. However, if a release were from an automobile-related source, it is likely that other fuel-related VOCs would be present as well

(only PCE and TCE are present in groundwater at the upgradient property boundary of the Crown site).

Hexcel Corporation operates a composite materials research and technology facility at 11711 Dublin Boulevard approximately 0.65 mile west of the Crown site, but on the same sewer line that runs along Dublin Boulevard.

A diesel fuel release case was opened for Bedford Properties, south of the Crown site, at 6700 Golden Gate Drive. Available information does not indicate that soil or groundwater samples were analyzed for PCE. The investigation documented the removal of fuel USTs, but did not mention waste oil (PCE can be found in waste oil USTs). The case, which involved the former Unisource site, where printers may have been repaired, was closed in 1993.

There are also several fuel release cases located west of the Crown site, including the following:

- The Chevron #9-5542 station at 7007 San Ramon Road, which is an active petroleum hydrocarbon case where groundwater samples were analyzed for PCE in the 1990s, and PCE was not detected;
- The Unocal #5901 station at 11976 Dublin Boulevard, which is a closed petroleum hydrocarbon UST case with a detection of PCE in soil during tank excavation at 19 µg/kg, but PCE was not detected in grab groundwater in the tank pit;
- The Dublin Retail Center site at 7900 Dublin Boulevard, which is a closed petroleum hydrocarbon UST case where a waste oil tank was removed, but samples were not analyzed for PCE;
- The Auto Parts Store at 7100 Regional Street, which is a closed petroleum hydrocarbon UST site where samples were not analyzed for PCE; and
- The Shell #13-5243 station at 11989 Dublin Boulevard, which is a closed petroleum hydrocarbon UST case where it does not appear that samples were analyzed for PCE.

7.0 SITE CONCEPTUAL MODEL

A revised SCM is provided in Table 13, and includes a discussion of potential data gaps. Cross sections depicting the subsurface conditions in the northern portion of the site are presented on Figures 9 through 13. A regional geology map is presented on Figure 14. A three-dimensional (3D) visualization of the northern portion of the north parcel is presented in Appendix K, and includes subsurface lithology, utilities, and chemical analytical results for PCE in groundwater. The 3D visualization is interactive, so that a viewer can see subsurface conditions from any direction, but the appendix also includes selected static images.

The various environmental issues at the site are discussed below in the context of the updated SCM, including the following:

- Distribution of PCE and TCE in soil, groundwater, and soil vapor in the northern parking lot,
- Distribution of benzene in soil vapor in the northern parking lot,
- Distribution of PCE in soil vapor in the south parcel, and
- Distribution of chlorobenzenes and related compounds at the former sump and pit.

7.1 PCE AND TCE IN THE NORTHERN PARKING LOT

The distribution of PCE and TCE are discussed by media (groundwater, soil vapor, and soil) in the following sections.

7.1.1 Groundwater

Prior to the August and September 2012 investigation, the available data suggested that PCE may have been released to the subsurface via an on-site source. The highest concentrations of PCE in shallow groundwater were identified just north of Building A, while data from sampling locations located to the southwest and northwest of the on-site higher concentration area indicated lower PCE concentrations (i.e., along the western property boundary). During the August and September 2012 investigation, additional sampling indicated that the highest concentrations of PCE in shallow groundwater were at the western property boundary (Figure 6). The groundwater flow direction was also confirmed to be to the east, indicating that the source of PCE is likely to the west of the site (Figures 3 and 4).

This investigation confirmed that TCE concentrations in groundwater are highest at the northeast corner of the site, while PCE concentrations are lower in that portion of the site. This area was historically impacted by the Montgomery Ward release of TPHg, and it is likely that the TPHg acted as a source of organic carbon that stimulated the biological reduction of PCE in that area (a figure from a historical Montgomery Ward report showing the approximate extent of impacts to groundwater at that site is included in Appendix L). However, field parameters collected from the monitoring well in this area (MW-02) do not indicate that there is a strong reducing environment at this time, indicating that the biodegradation may have historically occurred.

The investigation also confirmed that deeper groundwater has not been impacted by PCE or other VOCs. No VOCs were detected in the deeper groundwater samples collected during this investigation or during previous investigations, with the exception of several acetone detections that are believed to be false positives due to laboratory contamination.

TPHg was detected in the third water-bearing zone in the groundwater sample collected from monitoring well MP-04 (at the eastern/downgradient property boundary) at a concentration less than its ESL. TPHg was not present in the up- or cross-gradient deeper groundwater samples, nor is TPHg a constituent of concern in shallow groundwater at the site. The TPHg may be related to the historical Montgomery Ward release. The recently-measured

groundwater elevation data indicate that groundwater flow in the third water-bearing zone is to the northeast; however, as discussed in Section 5.2, the limited groundwater elevation data make it difficult to evaluate the precise groundwater flow direction.

7.1.2 Soil Vapor

PCE concentrations in soil vapor north of Building A generally correlate spatially with the higher concentrations of PCE in groundwater (Figures 6 and 7). However, the PCE concentrations in vapor vary somewhat from the spatial distribution of this constituent in groundwater northeast of Building A. This may indicate that shallow soil vapor transport is at least partially via on-site subsurface utilities, and not solely from volatilization from groundwater at the site. Additionally, utility lines within the nearby streets may provide a conduit for some of the vapors to enter the subsurface at the site. Where nested soil vapor samples were collected (along the eastern property boundary), concentrations of PCE and TCE in soil vapor samples collected are higher in the deeper (8 feet bgs) samples than the shallower (4 feet bgs) samples, confirming that volatilization from groundwater is a contributor to the VOC concentrations in soil vapor at the site.

The spatial distributions of PCE and TCE in shallow soil vapor (i.e., 1 to 4 feet bgs) are similar to each other (Figure 7), with the exception that only minimal TCE is present north and west of Building A. Within the vicinity of the on-site sewer line and along the eastern property boundary, TCE is present at elevated concentrations relative to PCE (and some vinyl chloride is present), suggesting that natural degradation of PCE is occurring in the unsaturated zone.

PCE was also detected along the floor drain lateral to the sewer line within Building B and in a sample collected from within the former front-end alignment pit in Building B (this pit has since been removed), indicating that PCE may have been used within Building B and may have contributed, in part, to the PCE detected in soil vapor beneath Building B. However, note that PCE, where detected, is present at only low concentrations in groundwater in this area, suggesting that vapor transport along site utilities likely contributes to PCE in soil vapor beneath Building B.

7.1.3 Soil

PCE and TCE have been detected at low concentrations in soil samples collected north of and beneath Building A. Soil samples collected during the recent investigation indicated concentrations similar to those detected during previous investigations. Based on the recent and previous results, which indicate consistently low concentrations, where PCE and TCE are detected, it is believed that these detections represent PCE and TCE in the vapor phase, and/or PCE and TCE present in the saturated zone (depending on the sample depth) and not a source of PCE or TCE in soil.

7.2 BENZENE IN SOIL VAPOR IN THE NORTHERN PARKING LOT

Benzene and ethylbenzene have been detected in shallow soil vapor (i.e., collected from 1.5 to 5 feet bgs) north of Buildings A and B. These constituents were not detected in corresponding soil and groundwater samples, and there was not a visible pattern to the soil vapor sample concentrations in plan view. Where detected, concentrations of benzene and ethylbenzene (and related compounds, toluene and xylenes) in soil vapor samples collected from nested vapor monitoring points along the eastern property boundary are generally less in the deeper (8 feet bgs) samples than the shallower (4 feet bgs) samples. Based on the lack of a known source and lack of a spatial pattern to the detections, combined with the higher concentrations in the shallower samples, the presence of these constituents is likely related to the long-term use of the area as a parking lot.

7.3 VOCS IN SOIL VAPOR IN THE SOUTH PARCEL

PCE was detected during a previous investigation in the northwest corner of the south parcel; additional samples were collected in the vicinity during this investigation and PCE concentrations were similar to or slightly less than the previous PCE detection on this parcel (Figure 8). All soil vapor results collected in this area are significantly less than the ESL. No auto servicing activities are known to have been conducted in this area, which was historically used as a parking lot. PCE was not detected in the groundwater sample collected in this area, and PCE is not present in the groundwater sample or soil vapor samples collected in the eastern portion of the south parcel. The low concentrations of PCE in soil vapor in the south parcel may be related to transport via subsurface utilities within Golden Gate Drive and/or Saint Patrick Way.

7.4 CHLOROBENZENES AND RELATED COMPOUNDS AT FORMER SUMP AND PIT

Chlorobenzenes and petroleum-related constituents are present in shallow groundwater at concentrations greater than ESLs in the vicinity of the former sump within Building B (where soil remediation was conducted in 2011). The presence of these constituents (e.g., gasoline-range organics, benzene, and chlorobenzene) in groundwater appears to be limited to an area within approximately 15 feet of the former sump. One shallow groundwater monitoring well was installed just southeast (downgradient) of the sump to provide additional data for chlorobenzenes and petroleum-related constituents. September 2012 sampling results for the well confirm that chlorobenzene and related impacts do not extend far from the former sump. These constituents were not detected above ESLs in groundwater samples collected at the former front-end alignment pit in Building B.

7.5 EVALUATION OF CONCLUSIONS IN THIRD-PARTY REPORTS

ACEH requested that AMEC identify conclusions made by other consultants in their reports for the site that are not consistent with our current understanding of the site. A discussion of such conclusions is presented below.

7.5.1 Montgomery Ward Site

A CPT investigation performed in 1994 by Environmental Audit, Inc., determined, via pore pressure dissipation testing at one location, that there were downward hydraulic gradient in the shallow water-bearing zone and an upward hydraulic gradient in a deeper zone) near the northeastern corner of the Crown site (Environmental Audit, Inc., 1994a). Insufficient information was included in the Environmental Audit report to confirm the validity of the pore pressure dissipation tests. However, information from the recent investigation indicates that there is likely a downward vertical hydraulic gradient.

7.5.2 Basics Investigation

Basics performed an investigation at the site in February 2009, which suggested widespread impacts to groundwater from TPHd, TPHmo, and other heavy fuels (Basics, 2009). It does not appear that there are significant impacts to groundwater from petroleum hydrocarbons based on the following lines of evidence:

- Subsequent sampling across the site did not replicate the previous results.
- Basics used a sampling system in which the sampling barrel is completely removed from the borehole every 5 feet in order to retrieve a sample. Using such a technique, it is possible for shallower soil or materials from the ground surface to enter the boring before a sample is collected.
- A silica gel preparation procedure was not performed prior to analysis for TPHd and TPHmo on the samples collected by Basics in 2009. It is therefore possible that polar, non-hydrocarbon, naturally-occurring organic material contributed to the quantitation of TPH in Basics' 2009 investigation.
- Copies of the laboratory analytical reports included in Basics' report indicated that each groundwater sample contained at least 1 percent sediment. It is therefore possible that the results of the 2009 investigation overestimate the concentrations of TPH dissolved in groundwater due to quantification of hydrocarbons and/or polar non-hydrocarbon compounds that may have been adsorbed onto sediment particles rather than dissolved in the groundwater.

Concentrations of total chromium and mercury were reported in the Basics' report to be greater than ESLs in one groundwater sample (from boring B1). As such, total and dissolved chromium in groundwater were assessed by AMEC during a later investigation; one total chromium result (from boring SB-06) was greater than the ESL, but the dissolved chromium results (which were estimated) were less than the ESL. Additionally, the reported, elevated mercury concentration was tabulated incorrectly with a decimal place error in the Basics 2009 report, and was not detected above the ESL.

7.5.3 Ninyo & Moore Investigations

Ninyo & Moore performed an initial investigation in December 2010, which was documented in a *Phase II Environmental Site Assessment* (Ninyo & Moore, 2011a). Ninyo & Moore recommended additional sampling, which was performed by AMEC and Ninyo & Moore later that year.

Ninyo & Moore performed a second investigation in August 2011, which was documented in the *Additional Phase II Environmental Site Assessment* (Ninyo & Moore, 2011b). Ninyo & Moore includes a risk assessment in its report. AMEC has not performed a full human health risk evaluation for the site and has not specifically reviewed the methodology of the Ninyo & Moore assessment. However, given the magnitude of PCE concentrations in soil vapor above its residential ESL, AMEC agrees with the general conclusions presented in Ninyo & Moore's risk assessment. Ninyo & Moore also concluded the following:

> There appears to be potential for a source of PCE in shallow soils to impact the site groundwater. As discussed in the SCM (Table 14), AMEC believes that PCE and TCE detected in soil are representative of PCE and TCE in vapor phase and in groundwater, depending on the sample collection depth. This conclusion is based on the fact that the PCE and TCE concentrations are relatively low, where detected, which indicate that PCE and TCE detected in soil samples do not represent a specific source.
>
> Remedial alternatives should be considered, including an interceptor trench and a groundwater treatment system, and injection of carbon- and iron-based material into numerous site borings, in addition to engineering controls. The possible remedial alternatives recommended by Ninyo & Moore were based on a preliminary data set. Significant additional data has been collected that further our understanding of geology, hydrogeology and the distribution of VOCs at the site; this additional data will be used to better inform the selection of potential remedial alternatives. A feasibility study, which will identify and discuss various potential alternatives, has not yet been performed by AMEC; however, the methodologies proposed by Ninyo & Moore may be considered.

8.0 NEXT STEPS

In December 2012, AMEC will submit a combined feasibility study and corrective action plan, which will identify a proposed remedial alternative for the site; a public participation period will commence at that time. Additional planned activities are outlined in the Baseline Project Schedule, submitted to ACEH on August 17, 2012 (which is publically available on the ACEH website). The Baseline Project Schedule will be updated as needed, based on new information obtained and changes to the proposed development plan.

Some data gaps have been identified in the SCM; these data gaps are material to the feasibility study in that the long-term effect of the off-site source of PCE on-site groundwater is not known. As such, these data gaps will need to be considered in the selection of a remedial

alternative for the site; however, it is judged that remedy identification, selection, and implementation can proceed as these data gaps are addressed.

8.1 OUTSTANDING INVESTIGATION ITEMS

As presented in Section 3.1, two elements of the work plan were not implemented. Based on the findings of the August and September 2012 investigation, AMEC requests that these investigative elements be removed from those activities required of Crown by ACEH. Our rationale is presented below.

1. The work plan indicated that grab groundwater samples would be collected from the property to the east (downgradient) of the Crown site. As the data indicate that the source of PCE is off site to the west (upgradient of the Crown site), we believe it is not necessary for Crown to delineate the extent of a plume that was not related to its site activities.

2. The work plan indicated that two of the temporary soil vapor probes installed would be converted to permanent vapor monitoring wells based on initial sampling results (i.e., the two probes at the eastern property boundary with the highest VOC concentrations would be converted to permanent wells), with the purpose of estimating vapor conditions over time beneath the property to the east. As the data indicate that the source of PCE is off site to the west (upgradient of the Crown site), we believe it is not necessary for Crown to monitor the extent of PCE impacts in soil vapor on the adjacent property from a PCE plume that was not related to its site activities.

9.0 REFERENCES

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U.S. Environmental Protection Agency, 2010, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011, January.

TABLES

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
Basics February 2009 Investigation																				
B1	15.0	2/25/2009	4.0	B1-4.0	Soil	X	--	X	X	--	X	--	--	--	--	--	X	--	--	--
			1st Groundwater	B1-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	X	--	--	--
B2	15.0	2/25/2009	4.0	B2-4.0	Soil	X	--	X	X	--	X	--	--	--	--	--	--	--	--	--
			1st Groundwater	B2-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B3	15.0	2/24/2009	4.0	B3-4.0	Soil	X	--	X	X	--	X	--	--	--	--	--	--	--	--	--
			1st Groundwater	B3-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B4	15.0	2/25/2009	4.0	B4-4.0	Soil	X	--	X	X	--	X	--	--	--	--	--	--	--	--	--
			1st Groundwater	B4-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	X	--	--
B5	15.0	2/24/2009	4.0	B5-4.0	Soil	X	--	X	X	--	X	--	--	--	X	--	--	--	--	--
			1st Groundwater	B5-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B6	15.0	2/25/2009	10.0	B6-10.0	Soil	X	--	X	X	--	X	--	--	--	--	--	X	--	--	--
B7	15.0	2/24/2009	4.0	B7-4.0	Soil	X	--	X	X	--	X	--	--	--	X	--	--	--	--	--
			1st Groundwater	B7-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B8	15.0	2/24/2009	4.0	B8-4.0	Soil	X	--	X	X	--	X	--	--	--	X	--	--	--	--	--
			1st Groundwater	B8-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B9	15.0	2/25/2009	14.0	B9-14.0	Soil	X	--	X	X	--	X	--	--	--	--	--	--	--	--	--
			1st Groundwater	B9-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	--	--	--	--
B10	17.0	2/24/2009	4.0	B10-4.0	Soil	X	--	X	X	--	X	--	--	--	X	--	--	--	--	--
			1st Groundwater	B10-W	Groundwater	X	X	X	X	--	X	X	--	--	--	--	X	X	--	--
AMEC September 2010 Investigation																				
SB-01	20.0	9/27/2010	11.7	SB-01-11.7	Soil	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--
			13.8	SB-01-13.8	Soil	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	SB-01	Groundwater	X [7]	X	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-02	17.5	9/27/2010	9.1	SB-02-9.1	Soil	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--
			11.5	SB-02-11.5	Soil	--	X	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	SB-02	Groundwater	X [7]	X	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-03	16.0	9/28/2010	1.3	SB-03-1.3	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			2.8	SB-03-2.8	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			3.2	SB-03-3.2	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			6.5	SB-03-6.5	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			11.5	SB-03-11.5	Soil	X	--	X	--	--	--	--	-	--	--	--	--	--	--	--
			1st Groundwater	SB-03	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-04	16.0	9/27/2010	3.0	SB-04-3.0	Soil	--	X	X	X	--	--	--	X	--	--	--	--	--	--	--
			7.0	SB-04-7.0	Soil	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--
			8.5	SB-04-8.5	Soil	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--
			12.0	SB-04-12	Soil	--	X	X	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-04 (DUP = SB-40)	Groundwater	--	X (DUP)	X (DUP)	X (DUP)	--	--	--	X (DUP)	--	--	--	--	--	--	--
SB-05	15.0	9/28/2010	0.7	SB-05-0.7	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			2.0	SB-05-2	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			11.5	SB-05-11.5	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-05	Groundwater	--	--	--	X	--	--	--	X	--	--	X	--	--	--	--
SB-06	15.0	9/28/2010	3.0	SB-06-3.0	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			11.0	SB-06-11.0	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-06	Groundwater	--	--	--	X	--	--	--	X	--	--	X	--	--	--	--
SB-07	17.0	9/29/2010	13.2	SB-07-13.2	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-07	Groundwater	--	--	--	X	--	--	--	X	--	--	X	--	--	--	--
SB-08	20.0	9/29/2010	15.7	SB-08-15.7	Soil	--	X	X	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-08	Groundwater	--	X	X	X	--	--	--	X	--	--	X	--	--	--	--
SB-09	15.0	9/28/2010	3.0	SB-09-3.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			4.9	SB-09-4.9	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			6.0	SB-09-6.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			12.0	SB-09-12.0	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--

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SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
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Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
SB-10	16.5	9/28/2010	4.0	SB-10-4.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			9.0	SB-10-9.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			10.5	SB-10-10.5	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			11.5	SB-10-11.5	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-10	Groundwater	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
SB-11	18.0	9/27/2010	12.8	SB-11-12.8	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-11	Groundwater	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
SB-12	17.0	9/28/2010	12.0	SB-12-12.8	Soil	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
			1st Groundwater	SB-12	Groundwater	--	--	--	X	--	--	--	X	--	--	--	--	--	--	--
Ninyo & Moore December 2010 Investigation																				
NM-B-1	15.0	12/16/2010	2.0	NM-B-1-1.5-2.0	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
			5.0	NM-B-1-4.5-5.0	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	NM-B-1-GW	Groundwater	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--
NM-B-2	15.0	12/16/2010	2.0	NM-B-2-1.5-2.0	Soil	--	--	--	X	--	--	--	--	--	--	--	X	--	--	--
			5.0	NM-B-2-4.5-5.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	NM-B-2-GW	Groundwater	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--
NM-B-3	20.0	12/16/2010	2.0	NM-B-3-1.5-2.0	Soil	--	--	--	X	--	--	--	--	--	--	--	--	--	--	--
			5.0	NM-B-3-4.5-5.0	Soil	--	--	--	X	--	--	--	--	--	--	--	X	--	--	--
			1st Groundwater	NM-B-3-GW	Groundwater	X	--	--	X	--	--	--	--	--	--	--	--	--	--	--
NM-B-4	20.0	12/16/2010	2.0	NM-B-4-1.5-2.0	Soil	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--
			5.0	NM-B-4-4.5-5.0	Soil	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	NM-B-4-GW	Groundwater	--	X	X	X	--	--	--	--	--	--	--	--	--	--	--
NM-B-5	20.0	12/16/2010	2.0	NM-B-5-1.5-2.0	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
			5.0	NM-B-5-4.5-5.0	Soil	X	--	X	X	--	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	NM-B-5-GW	Groundwater	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
NM-B-6	20.0	12/16/2010	3.5	NM-B-6-3.0-3.5	Soil	X	--	X (DUP)	--	--	--	--	--	--	--	--	--	--	--	--
			4.5	NM-B-6-4.0-4.5	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			7.0	NM-B-6-6.5-7.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	NM-B-6-GW	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SV-1	5.0	12/16/2010	4.75	SV-1	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-2	0.5	12/15/2010	0.5	SV-2	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-3	0.5	12/15/2010	0.5	SV-3	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-4	0.5	12/15/2010	0.5	SV-4	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-5	0.5	12/15/2010	0.5	SV-5	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-6	0.5	12/16/2010	0.5	SV-6	Soil vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
AMEC May-July 2011 Investigation																				
SB-13	75.0	5/16/2011	42 - 47	SB-13-GW-2	Groundwater	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
			58 - 63	SB-13-GW-3	Groundwater	X	--	X	X	--	--	--	--	X	--	--	--	--	--	--
SB-14	20.0	6/7/2011	4.0	SB-14-4.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			8.0	SB-14-8.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			11.0	SB-14-11	Soil	X	--	X	--	--	--	--	--	X	--	--	--	--	--	--
			12.0	SB-14-12	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-15	20.0	6/7/2011	1st Groundwater	SB-15-GW	Groundwater	X	--	--	--	--	--	--	--	X	--	--	--	--	--	--
SB-16	15.0	6/7/2011	1st Groundwater	SB-16-GW	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-17	15.0	6/7/2011	1st Groundwater	SB-17-GW	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-18	15.0	6/7/2011	4.0	SB-18-4	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			8.0	SB-18-8	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			12.0	SB-18-12	Soil	X	--	X	--	--	--	--	--	X	--	--	--	--	--	--
		6/8/2011	1st Groundwater	SB-18	Groundwater	X	--	--	--	--	--	--	--	X	--	--	--	--	--	--
SB-19	20.0	6/7/2011	4.0	SB-19-4	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		6/9/2011	8.0	SB-19-8	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			11.0	SB-19-11	Soil	X	--	X	--	--	--	--	--	X	--	--	--	--	--	--
			13.0	SB-19-13	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	SB-19 (Dup = SB-190)	Groundwater	X (DUP)	--	--	--	--	--	--	--	X (DUP)	--	--	--	--	--	--

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SB-20	20.0	6/9/2011	6.0	SB-20-6	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			11.0	SB-20-11	Soil	--	--	--	--	X	--	--	--	X	X	--	--	--	--	--
			13.0	SB-20-13	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-20	Groundwater	X	--	--	--	X	--	--	--	X	--	--	--	--	--	--
SB-21	15.0	6/8/2011	1st Groundwater	SB-21-GW	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-22	15.0	6/8/2011	4.0	SB-22-4	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			9.0	SB-22-9	Soil	X	--	X	--	--	--	--	--	X	--	--	--	--	--	--
			12.0	SB-22-12	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-23	15.0	6/8/2011	6.0	SB-23-6	Soil	--	--	--	--	X	--	--	--	X	X	--	--	--	--	--
			12.0	SB-23-12	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-23	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
SB-24	20.0	6/9/2011	6.0	SB-24-6	Soil	X	--	X	X	--	--	--	X	--	--	--	--	--	--	--
			11.5	SB-24-11.5	Soil	X	--	X	X	--	--	--	X	--	--	--	--	--	--	--
		6/8/2011 [8]	1st Groundwater	SB-24	Groundwater	X	--	X	X	--	--	--	X	--	--	--	--	--	--	--
SB-25	20.0	6/9/2011	8.0	SB-25-8	Soil	X	--	X	--	X	--	--	--	X	X	--	--	--	--	--
			12.0	SB-25-12	Soil	X	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-25	Groundwater	X	--	--	--	X	--	--	--	X	--	--	--	--	--	--
SB-26	20.0	6/9/2011	6.0	SB-26-6	Soil	--	--	--	--	X	--	--	--	X	X	--	--	--	--	--
			9.0	SB-26-9	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-26	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
SB-27	20.0	6/10/2011	6.0	SB-27-6	Soil	--	--	--	--	X	--	--	--	X	X	--	--	--	--	--
			11.0	SB-27-11	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-27	Groundwater	X	--	--	X	X	--	--	--	--	--	--	--	--	--	--
SB-28	20.0	6/10/2011	6.0	SB-28-6	Soil	--	--	--	--	X	--	--	--	X	X	--	--	--	--	--
			10.8	SB-28-10.8	Soil	--	--	--	--	X	--	--	--	--	X	--	--	--	--	--
			1st Groundwater	SB-28	Groundwater	X	--	--	--	X	--	--	--	X	--	--	--	--	--	--
SB-29	15.0	7/26/2011	4.0	SB-29-4.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			8.0	SB-29-8.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			12.0	SB-29-12.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
SB-30	15.0	7/26/2011	4.0	SB-30-4.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			8.0	SB-30-8.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			12.0	SB-30-12.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
SB-31	20.0	7/26/2011	4.0	SB-31-4.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			8.0	SB-31-8.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			12.0	SB-31-12.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			1st Groundwater	SB-31	Groundwater	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
SB-32	15.0	7/26/2011	3.0	SB-32-3.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			8.0	SB-32-8.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
			12.0	SB-32-12.0	Soil	X	--	X	X	X	--	--	--	--	--	--	--	--	--	--
SG-01	6.0	6/9/2011	5.5	SG-01	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-02	6.0	6/9/2011	5.5	SG-02	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-03	6.0	6/9/2011	5.5	SG-03	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-04	6.0	6/9/2011	5.5	SG-04	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-05	6.0	6/9/2011	5.5	SG-05	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-06	5.0	6/9/2011	4.5	SG-06	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-07	5.0	6/9/2011	4.5	SG-07	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-08	5.0	6/9/2011	4.5	SG-08	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
Ninyo & Moore August-September 2011 Investigation																				
SV-7	1.0	8/23/2011	0.5-1.0	SV-7	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-8	5.0	8/16/2011	4.0-5.0	SV-8	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-9	3.0	8/18/2011	2.5-3.0	SV-9	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-10	5.0	8/16/2011	4.0-5.0	SV-10	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-11	3.0	8/18/2011	2.5-3.0	SV-11	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-12	5.0	8/16/2011	4.0-5.0	SV-12	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-13	5.0	8/18/2011	4.0-5.0	SV-13	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-14	5.0	8/18/2011	4.0-5.0	SV-14	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-15	3.0	8/18/2011	2.5-3.0	SV-15	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
SV-16	2.0	8/18/2011	1.5-2.0	SV-16	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-17	5.0	8/16/2011	4.0-5.0	SV-17	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-18	3.0	8/18/2011	2.5-3.0	SV-18	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-19	5.0	8/17/2011	4.0-5.0	SV-19	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-20	1.0	8/23/2011	0.5-1.0	SV-20	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-21	5.0	8/16/2011	4.0-5.0	SV-21	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-22	5.5	8/17/2011	4.5-5.5	SV-22	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-23	4.0	8/17/2011	3.5-4.0	SV-23	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-24	4.0	8/17/2011	3.5-4.0	SV-24	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-25	5.0	8/18/2011	4.5-5.0	SV-25	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SV-26	5.0	8/16/2011	4.0-5.0	SV-26	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
NM-B-7	15	8/11/2011	12.0-12.5	NM-B-7-12.0-12.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-7-W	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-8	15	8/11/2011	12.5-13.0	NM-B-8-12.5-13.0	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-8-W	Groundwater	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-9	15	8/11/2011	12.0-12.5	NM-B-9-12.0-12.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-9-W	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-10	15	8/12/2011	12.0-12.5	NM-B-10-12.0-12.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-11	20	8/12/2011	14.5-15.0	NM-B-11-14.5-15.0	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-11-W	Groundwater	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-12	15	8/12/2011	12.5-13.0	NM-B-12-12.5-13.0	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-13	15	8/10/2011	12.5-13.0	NM-B-13-12.5-13.0	Soil	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-13-W	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-14	16.75	8/12/2011	13.0-13.5	NM-B-14-13.0-13.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-14-W	Groundwater	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-15	17.5	8/12/2011	12.0-12.5	NM-B-15-12.0-12.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-15-W	Groundwater	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-16	15	8/12/2011	12.0-12.5	NM-B-16-12.0-12.5	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/12/2011	1st Groundwater	NM-B-16-W	Groundwater	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-17	15	8/11/2011	12.5-13.0	NM-B-17-12.5-13.0	Soil	--	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/11/2011	1st Groundwater	NM-B-17-W	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-18	15	8/10/2011	3.5-4.0	NM-B-18-3.5-4.0	Soil	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/10/2011	12.5-13.0	NM-B-18-12.5-13.0	Soil	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/10/2011	13.5-14.0	NM-B-18-13.5-14.0	Soil	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-18-W	Groundwater	X	--	--	--	X	--	--	--	--	--	--	--	--	--	--
NM-B-19	15	8/11/2011	3.5-4.0	NM-B-19-3.5-4.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	5.5-6.0	NM-B-19-5.5-6.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	14.0-14.5	NM-B-19-14.5-14.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-19-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-20	15	8/8/2011	3.5-4.0*	NM-B-20-3.5-4.0	Soil	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-20-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-21	15	8/11/2011	3.5-4.0	NM-B-21-3.5-4.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	6.0-6.5	NM-B-21-6.0-6.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	12.0-12.5	NM-B-21-12.0-12.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-21-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-22	15	8/8/2011	3.5-4.0*	NM-B-22-3.5-4.0	Soil	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-22-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-23A	45	8/11/2011	45.0	NM-B-23A (45')	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-23B	20	8/11/2011	3.5-4.0	NM-B-23B-3.5-4.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	5.0-5.5	NM-B-23B-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	13.5-14.0	NM-B-23B-13.5-14.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-23B	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-23B2	20	9/8/2011	5.0-5.5	NM-B-23B2-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/8/2011	1st Groundwater	NM-B-23B2-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-23C	15	9/8/2011	5.0-5.5	NM-B-23C-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-23D	20	9/8/2011	5.0-5.5	NM-B-23D-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
NM-B-23E	20	9/8/2011	5.0-5.5	NM-B-23E-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/8/2011	1st Groundwater	NM-B-23E-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-24	15	8/9/2011	12.5-13.0	NM-B-24-12.5-13.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-24-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-25	15	8/11/2011	3.5-4.0	NM-B-25-3.5-4.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	5.0-5.5	NM-B-25-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	12.5-13.0	NM-B-25-12.5-13.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-25-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-26	15	8/9/2011	13.5-14.0	NM-B-26-13.5-14.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-26-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-27	20	8/11/2011	4.5-5.0	NM-B-27-4.5-5.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	7.5-8.0	NM-B-27-7.5-8.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/11/2011	14.0-14.5	NM-B-27-14.0-14.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/9/2011	1st Groundwater	NM-B-27-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-28	15	8/9/2011	13.0-13.5	NM-B-28-13.0-13.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-28-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-29	15	8/9/2011	12.5-13.0	NM-B-29-12.5-13.0	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-29-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-30	15	8/9/2011	14.0-14.5	NM-B-30-14.0-14.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-30-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-31	15	8/8/2011	12.5-13.0	NM-B-31-12.5-13.0	Soil	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-31-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-32	20	8/8/2011	12.5-13.0	NM-B-32-12.5-13.0	Soil	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/10/2011	1st Groundwater	NM-B-32-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-32A	25	9/8/2011	5.0-5.5	NM-B-32A-5.0-5.5	Soil	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/8/2011	1st Groundwater	NM-B-32A-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-33	20	8/10/2011	1st Groundwater	NM-B-33-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-34	20	8/9/2011	1st Groundwater	NM-B-34-W	Groundwater	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NM-B-35	20	8/10/2011	1st Groundwater	NM-B-35-W	Groundwater	X	--	X	X[9]	--	--	--	--	--	--	--	--	--	--	--
NM-B-36	20	8/10/2011	1st Groundwater	NM-B-36-W	Groundwater	X	--	X	X[9]	--	--	--	--	--	--	--	--	--	--	--
AMEC October 2011 Remediation Confirmation Sampling																				
F.E. Pit Excavation Sidewalls	Excavation to 12 feet bgs	10/24/2011	6.0	FEPIT-EXS-5-6	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/24/2011	6.0	FEPIT-EXS-6-6	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/25/2011	6.0	FEPIT-EXS-7-6	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/26/2011	6.0	FEPIT-EXS-9-6	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
F.E. Pit Excavation Bottom	Excavation to 12 feet bgs	10/26/2011	12.0	FEPIT-EXB-10-12	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
Sump Excavation Sidewalls	Excavation to 16 feet bgs	10/19/2011	9.0	SUMP-EXS-1-9	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/19/2011	8.0	SUMP-EXS-2-8	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/20/2011	8.0	SUMP-EXS-3-8	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/20/2011	8.0	SUMP-EXS-4-8	Soil	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/26/2011	8.0	SUMP-EXS-8-8	Soil	X	--	X	X	--	X	--	--	--	--	--	--	--	--	--
Groundwater within Sump Excavation	Excavation to 16 feet bgs	10/26/2011	16.0	SUMP-EXB-WATER-1-16	Exvacation Water	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/26/2011				X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/28/2011	16.0	SUMP-EXB-WATER-2-16	Exvacation Water	X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
		10/28/2011				X	--	X	X	--	--	--	--	--	--	--	--	--	--	--
AMEC August-September 2012 Investigation																				
SB-33	20	8/27/2012	5.3	SB-33-5.3	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.3	SB-33-10.3	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		8/28/2012	1st groundwater	SB-33	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-34	20	8/27/2012	5.0	SB-34-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-34-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st groundwater	SB-34	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
SB-35	20	8/27/2012	5.0	SB-35-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-35-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		8/28/2012	1st groundwater	SB-35	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-36	60	Borings advanced to log lithology; no samples were collected.																		
SB-37	58	Borings advanced to log lithology; no samples were collected.																		
SB-38	20	8/28/2012	5.0	SB-38-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-38-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st groundwater	SB-38	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-39	20	8/28/2012	5.0	SB-39-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-39-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st groundwater	SB-39 (DUP = SB-390)	Grab Groundwater	X (DUP)	--	X (DUP)	--	--	--	--	--	--	--	--	--	--	--	--
SB-40	20	8/28/2012	5.0	SB-40-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-40-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		8/29/2012	1st groundwater	SB-40	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-41	19	8/28/2012	5.0	SB-41-5.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			10.0	SB-41-10.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		8/29/2012	1st groundwater	SB-41	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-42	20	9/4/2012	1st groundwater	SB-42	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-43	20	9/4/2012	1st groundwater	SB-43	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-44	20	9/5/2012	1st groundwater	SB-44	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-45	20	9/5/2012	1st groundwater	SB-45	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
SB-46	20	9/4/2012	13.8	SB-46-13.8	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		9/5/2012	1st groundwater	SB-46	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MW-01	22	8/30/2012	1st groundwater	MW-01-(17-22)-GW	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		9/10/2012	16 - 21	MW-01 (DUP = MW-10)	Groundwater	X (DUP)	--	X (DUP)	--	--	--	--	--	--	--	--	--	--	--	--
MW-02	20	8/30/2012	11	MW-02-11.0	Soil	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			1st groundwater	MW-02-(15-20)-GW	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		9/10/2012	15 - 20	MW-02	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MW-03	20	8/31/2012	1st groundwater	MW-03-(15-20)-GW	Grab Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		9/10/2012	15- 20	MW-03	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MP-01	60	9/10/2012	17.3 - 17.6	MP-01-1	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			43.2 - 43.5	MP-01-2	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			58.1 - 58.4	MP-01-3	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MP-02	60	9/10/2012	12.6 - 12.9	MP-02-1 (DUP = MP-2-10)	Groundwater	X (DUP)	--	X (DUP)	--	--	--	--	--	--	--	--	--	--	--	--
			36.4 - 36.7	MP-02-2	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			57.5 - 57.8	MP-02-3	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MP-03	60	9/10/2012	14.3 - 14.6	MP-03-1	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
		NA	42.9 - 43.2	MP-03-2	Groundwater	DRY	--	DRY	--	--	--	--	--	--	--	--	--	--	--	--
		9/10/2012	57.8 - 58.1	MP-03-3	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
MP-04	60.5	9/10/2012	15.4 - 15.7	MP-04-1	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			41.4 - 41.7	MP-04-2	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
			58.3 - 58.6	MP-04-3	Groundwater	X	--	X	--	--	--	--	--	--	--	--	--	--	--	--
Trip Blank	NA	8/28/2012	NA	TB-1	DI Water	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		8/29/2012		TB-2	DI Water	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/4/2012		TB-4	DI Water	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		9/5/2012		TB-5	DI Water	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SG-09	5.5	9/5/2012	4.5-5.5	SG-09 (DUP= SG-09B)	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X (DUP)	--
SG-10	5.5	9/5/2012	4.5-5.5	SG-10	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-11	5.5	9/5/2012	4.5-5.5	SG-11	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	X
SG-12	8	9/5/2012	7-8	SG-12	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-13	8.5	9/4/2012	3.5-4.5	SG-13A	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
			7.5-8.5	SG-13B	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
SG-14	8.5	9/4/2012	3.5-4.5	SG-14A	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
			7.5-8.5	SG-14B (DUP=SG-19A)	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X DUP)	--
SG-15	8.5	9/4/2012	3.5-4.5	SG-15A	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	X
			7.5-8.5	SG-15B	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

Location	Total Depth of Boring (feet bgs)	Sample Date	Sample Depth (feet bgs) [1]	Sample ID	Media	VOCs (8260B)[2]	BTEX and MTBE Only (8260B or 8015B)	TPHg (8015B or 8021B or 8260B)	TPHd/ TPHmo (8015B) [3]	TPHho (8015B) [3]	TPHss (8021B)	TPHbo & TPHk (8015B)	PAHs (8270C SIM)	Naphthalene (8270C SIM)	PCBs (8082) [4]	Chromium (7199/6020)[5]	Metals (6010B or 6020A or E200.8)	Glycols (MAI-Alcohols)	VOCs (TO-15)[6]	Helium (ASTM-D 1946)
SG-16	8.5	9/4/2012	3.5-4.5	SG-16A	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
			7.5-8.5	SG-16B	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
Ambient-1	NA	9/4/2012	NA	Ambient-90412	Ambient	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
Ambient-2	NA	9/5/2012	NA	Ambient-09052012	Ambient	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--

Notes

1. Soil and groundwater samples collected by Basics Environmental were analyzed by McCampbell Analytical, Inc., of Pittsburg, California. Soil and groundwater samples collected by AMEC were analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California (with the exception of a split sample submitted to Friedman & Bruya, Inc., of Seattle, Washington); soil vapor samples collected by AMEC were analyzed by Air Toxics Ltd., of Folsom, California. Soil and groundwater samples collected by Ninyo & Moore were analyzed by Advanced Technology Laboratories of Signal Hill, California; soil vapor samples collected by Ninyo & Moore were analyzed by McCampbell Analytical of Pittsburg, California.
2. Soil and groundwater samples were analyzed using U.S. EPA Method 8260B. Samples collected by Basics and analyzed by McCampbell Analytical, Inc., of Pittsburg, California, and samples collected by AMEC and analyzed by TestAmerica, Inc. of Pleasanton, CA also included naphthalene in the 8260B list.
3. Samples were analyzed using U.S. EPA Method 8015B. Samples collected by AMEC and Ninyo & Moore were analyzed following a silica gel preparation in accordance with U.S. EPA Method 3630C. Additionally, a duplicate sample from NM-B-6-3.0-3.5 was analyzed for TPHg following a silica gel preparation.
4. Samples were analyzed for PCBs using U.S. EPA Method 8082 by Gas Chromatography.
5. Samples were analyzed using U.S. EPA Method 7199 for dissolved hexavalent chromium and U.S. EPA Method 6020 for total and dissolved total chromium.
6. Soil vapor samples were analyzed using U.S. EPA Method modified TO-15.
7. In July 2011, AMEC personnel asked TestAmerica to report all VOCs for grab groundwater samples SB-01 and SB-02.
8. Boring SB-24 was initially advanced to 20 feet bgs on June 8, 2011. A grab groundwater sample was collected that day, but soil recovery was poor, so an adjacent companion boring was advanced the following day (June 9, 2011) for collection of soil samples.
9. Only TPHd was analyzed in samples NM-B-35-W and NM-B-36-W; TPHmo was not analyzed in these samples.

Abbreviations

-- = analysis not performed
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes, collectively
DUP = a blind field duplicate sample was also collected and analyzed
MTBE = methyl tert-butyl ether
NA = not applicable
PAHs = polynuclear aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SIM = selective ion monitoring
SVOCs = semivolatile organic compounds
TPHbo = total petroleum hydrocarbons quantified as bunker oil
TPHd/mo = total petroleum hydrocarbons quantified as diesel and motor oil
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHho = total petroleum hydrocarbons quantified as hydraulic oil
TPHk = total petroleum hydrocarbons quantified as kerosene
TPHss = total petroleum hydrocarbons quantified as stoddard solvent
U.S. EPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
X = analysis was performed

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Samples were analyzed using the U.S. EPA methods shown in parentheses

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SG-16	8.5	9/4/2012	3.5-4.5	SG-16A	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
			7.5-8.5	SG-16B	Soil Vapor	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
Ambient-1	NA	9/4/2012	NA	Ambient-90412	Ambient	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--
Ambient-2	NA	9/5/2012	NA	Ambient-09052012	Ambient	--	--	--	--	--	--	--	--	--	--	--	--	--	X	--

Notes

1. Soil and groundwater samples collected by Basics Environmental were analyzed by McCampbell Analytical, Inc., of Pittsburg, California. Soil and groundwater samples collected by AMEC were analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California (with the exception of a split sample submitted to Friedman & Bruya, Inc., of Seattle, Washington); soil vapor samples collected by AMEC were analyzed by Air Toxics Ltd., of Folsom, California. Soil and groundwater samples collected by Ninyo & Moore were analyzed by Advanced Technology Laboratories of Signal Hill, California; soil vapor samples collected by Ninyo & Moore were analyzed by McCampbell Analytical of Pittsburg, California.
2. Soil and groundwater samples were analyzed using U.S. EPA Method 8260B. Samples collected by Basics and analyzed by McCampbell Analytical, Inc., of Pittsburg, California, and samples collected by AMEC and analyzed by TestAmerica, Inc. of Pleasanton, CA also included naphthalene in the 8260B list.
3. Samples were analyzed using U.S. EPA Method 8015B. Samples collected by AMEC and Ninyo & Moore were analyzed following a silica gel preparation in accordance with U.S. EPA Method 3630C. Additionally, a duplicate sample from NM-B-6-3.0-3.5 was analyzed for TPHg following a silica gel preparation.
4. Samples were analyzed for PCBs using U.S. EPA Method 8082 by Gas Chromatography.
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7. In July 2011, AMEC personnel asked TestAmerica to report all VOCs for grab groundwater samples SB-01 and SB-02.
8. Boring SB-24 was initially advanced to 20 feet bgs on June 8, 2011. A grab groundwater sample was collected that day, but soil recovery was poor, so an adjacent companion boring was advanced the following day (June 9, 2011) for collection of soil samples.
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Abbreviations

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bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes, collectively
DUP = a blind field duplicate sample was also collected and analyzed
MTBE = methyl tert-butyl ether
NA = not applicable
PAHs = polynuclear aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SIM = selective ion monitoring
SVOCs = semivolatile organic compounds
TPHbo = total petroleum hydrocarbons quantified as bunker oil
TPHd/mo = total petroleum hydrocarbons quantified as diesel and motor oil
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHho = total petroleum hydrocarbons quantified as hydraulic oil
TPHk = total petroleum hydrocarbons quantified as kerosene
TPHss = total petroleum hydrocarbons quantified as stoddard solvent
U.S. EPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
X = analysis was performed

TABLE 2

WELL CONSTRUCTION DETAILS
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

				Survey Data					Construction Information[1]						
Well Type	Monitoring Well ID	Port	Date Installed	Ground Surface Elevation (feet)	Top Of Casing Surveyed Elevation (feet)	Northing	Easting	Datum	Depth Drilled (feet bgs)	Top of Screen (feet bgs)	Bottom of Screen (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Screen Slot Size (inches)	Filter Pack
Pre-pack groundwater well	MW-01	--	8/30/2012	344.58	344.24	2081925.24	6148339.55	NAD 83/NGVD 88	22	16.2	20.9	21.17	0.75	0.010	#20/40 and 2/12 sand
	MW-02	--	8/30/2012	340.41	340.24	2082055.96	6148450.40	NAD 83/NGVD 88	20.2	15.2	19.9	19.92	0.75	0.010	#20/40 and 2/12 sand
	MW-03	--	8/31/2012	343.95	343.77	2081890.72	6148566.71	NAD 83/NGVD 88	20	14.4	19.1	19.35	0.75	0.010	#20/40 and 2/12 sand
CMT multi-port groundwater well	MP-01	MP-01-1	8/29/2012	343.37	343.20	2081915.18	6148233.76	NAD 83/NGVD 88	60	17.3	17.6	59.3	0.375	0.010	#2/12 sand
	MP-01	MP-01-2						NAD 83/NGVD 88		43.2	43.5		0.375	0.010	#2/12 sand
	MP-01	MP-01-3						NAD 83/NGVD 88		58.1	58.4		0.375	0.010	#2/12 sand
	MP-02	MP-02-1	8/30/2012	341.32	341.15	2082008.13	6148472.05	NAD 83/NGVD 88	60	12.6	12.9	59.7	0.375	0.010	#2/12 sand
	MP-02	MP-02-2						NAD 83/NGVD 88		36.4	36.7		0.375	0.010	#2/12 sand
	MP-02	MP-02-3						NAD 83/NGVD 88		57.5	57.8		0.375	0.010	#2/12 sand
	MP-03	MP-03-1	8/30/2012	342.31	342.21	2081948.36	6148500.44	NAD 83/NGVD 88	60	14.3	14.6	59.8	0.375	0.010	#2/12 sand
	MP-03	MP-03-2						NAD 83/NGVD 88		42.9	43.2		0.375	0.010	#2/12 sand
	MP-03	MP-03-3						NAD 83/NGVD 88		57.8	58.1		0.375	0.010	#2/12 sand
	MP-04	MP-04-1	8/31/2012	341.48	341.22	2081993.43	6148600.32	NAD 83/NGVD 88	60.5	15.4	15.7	60.5	0.375	0.010	#2/12 sand
	MP-04	MP-04-2						NAD 83/NGVD 88		41.4	41.7		0.375	0.010	#2/12 sand
	MP-04	MP-04-3						NAD 83/NGVD 88		58.3	58.6		0.375	0.010	#2/12 sand
Soil vapor probe (temporary)	SG-9	--	8/29/2012	344.63	--	2081427.26	6148462.81	NAD 83/NGVD 88	5.5	4.8	5.3	--	0.25	--	#2/12 sand
	SG-10	--	8/29/2012	344.90	--	2081433.38	6148498.84	NAD 83/NGVD 88	5.5	4.8	5.3	--	0.25	--	#2/12 sand
	SG-11	--	8/29/2012	345.40	--	2081401.71	6148486.58	NAD 83/NGVD 88	5.5	4.8	5.3	--	0.25	--	#2/12 sand
	SG-12	--	8/29/2012	345.68	--	2081382.28	6148445.30	NAD 83/NGVD 88	8.0	7.3	7.8	--	0.25	--	#2/12 sand
	SG-13	--	8/31/2012	339.71	--	2082094.49	6148569.74	NAD 83/NGVD 88	8.5	7.8	8.3	--	0.25	--	#2/12 sand
	SG-14	--	8/31/2012	340.80	--	2082053.10	6148584.96	NAD 83/NGVD 88	8.5	7.8	8.3	--	0.25	--	#2/12 sand
	SG-15	--	8/31/2012	341.66	--	2082001.6	6148603.96	NAD 83/NGVD 88	8.5	7.8	8.3	--	0.25	--	#2/12 sand
	SG-16	--	8/31/2012	342.03	--	2081954.93	6148620.98	NAD 83/NGVD 88	8.5	7.8	8.3	--	0.25	--	#2/12 sand

Notes
1. Pre-pack well casing materials are Schedule 40 PVC. The multi-port well casing materials are Solinst 3-channel CMT. The vapor tubing was made of Teflon.

Abbreviations
-- = not applicable
bgs = below ground surface
CMT = continuous multi-channel tubing
NAD = North American Datum
NGVD = National Geodetic Vertical Datum

TABLE 3

SEPTEMBER 2012 GROUNDWATER ELEVATIONS
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Sample Location	Date	Top-of-Casing Elevation (feet MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation [1] (feet MSL)
MP-01-1	09/10/12	343.20	13.33	329.87
MP-01-2	09/10/12		14.38	328.82
MP-01-3	09/10/12		15.63	327.57
MP-02-1	09/10/12	341.15	11.83	329.32
MP-02-2	09/10/12		13.93	327.22
MP-03-3	09/10/12		14.88	326.27
MP-03-1	09/10/12	342.21	12.94	329.27
MP-03-2	09/10/12		39.76	302.45
MP-03-3	09/10/12		15.66	326.55
MP-04-1	09/10/12	341.22	12.41	328.81
MP-04-2	09/10/12		13.83	327.39
MP-04-3	09/10/12		15.12	326.10
MW-01	09/10/12	344.24	14.64	329.60
MW-02	09/10/12	340.24	10.90	329.34
MW-03	09/10/12	343.77	14.62	329.15

Notes
1. Elevation datum is NGVD88.

Abbreviations
BTOC = below top of casing
feet MSL = feet above mean sea level
NGVD = National Geodetic Vertical Datum

TABLE 4

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per kilogram (µg/kg)

Location	Sample ID	Depth (feet bgs)	Date	Acetone	Benzene	Bromo-benzene	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	2-Chloro-toluene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Naphthalene (8260B)	PCE	1,2,4-Trichloro-benzene	TCE	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total	All Other VOCs
Basics February 2009 Investigation[1]																							
B1	B1-4.0	4.0	2/25/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B2	B2-4.0	4.0	2/25/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B3	B3-4.0	4.0	2/24/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B4	B4-4.0	4.0	2/25/2009	180	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B5	B5-4.0	4.0	2/24/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B6	B6-10.0	10.0	2/25/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B7	B7-4.0	4.0	2/24/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B8	B8-4.0	4.0	2/24/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B9	B9-14.0	14.0	2/25/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
B10	B10-4.0	4.0	2/24/2009	<50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.0	<5	<5	<5	<5	<5	<5	ND
AMEC September 2010 Investigation[2]																							
SB-01	SB-01-11.7	11.7	9/27/2010	NA	<3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.7	NA	NA	NA	NA	NA	NA	<7.4	ND
	SB-01-13.8	13.8	9/27/2010	NA	<3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.5 J	NA	NA	NA	NA	NA	NA	0.43 J	ND
SB-02	SB-02-9.1	9.1	9/27/2010	NA	<3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.8	NA	NA	NA	NA	NA	NA	<7.6	ND
	SB-02-11.5	11.5	9/27/2010	NA	<3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.6	NA	NA	NA	NA	NA	NA	<7.2	ND
SB-03	SB-03-1.3	1.3	9/28/2010	<38	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	<3.8	<3.8	<3.8	<3.8	<3.8	<7.6	ND
	SB-03-2.8	2.8	9/28/2010	<4,400	<440	<440	<440	<440	**2,600**	<440	<440	<440	<440	<440	<440	<890	<440	<440	<440	<440	<440	<890	ND
	SB-03-3.2	3.2	9/28/2010	<52,000	<5,200	<5,200	<5,200	<5,200	**90,000**	<5,200	<5,200	<5,200	**5,400**	<5,200	<5,200	<10,000	<5,200	<5,200	<5,200	<5,200	<5,200	<10,000	ND
	SB-03-6.5	6.5	9/28/2010	<4,000	<400	<400	<400	<400	**26,000**	<400	**30,000**	<400	**1,700**	<400	<400	<800	<400	<400	<400	<400	<400	<800	ND
	SB-03-11.5	11.5	9/28/2010	<4,400	<440	<440	<440	<440	**6,500**	<440	**15,000**	<440	<440	<440	<440	<880	<440	<440	<440	<440	<440	<880	ND
SB-04	SB-04-3.0	3.0	9/27/2010	NA	<3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.3	NA	NA	NA	NA	NA	NA	<6.5	ND
	SB-04-7.0	7.0	9/27/2010	NA	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	NA	NA	NA	NA	NA	NA	<7.9	ND
	SB-04-8.5	8.5	9/27/2010	NA	<3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.9	NA	NA	NA	NA	NA	NA	<7.8	ND
	SB-04-12.0	12.0	9/27/2010	NA	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	NA	NA	NA	NA	NA	NA	<7.9	ND
SB-08	SB-08-15.7	15.7	9/29/2010	NA	<4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	NA	NA	NA	NA	NA	NA	<9.6	ND
Ninyo & Moore December 2010 Investigation[3]																							
NM-B-1	NM-B-1-1.5-2.0	2.0	12/16/2010	NA	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	NA	ND
	NM-B-1-4.5-5.0	5.0	12/16/2010	NA	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	NA	ND
NM-B-4	NM-B-4-1.5-2.0	2.0	12/16/2010	NA	<4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.6	NA	NA	NA	NA	NA	NA	NA	ND
	NM-B-4-4.5-5.0	5.0	12/16/2010	NA	<4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	NA	NA	NA	NA	NA	NA	NA	ND
NM-B-5	NM-B-5-1.5-2.0	2.0	12/16/2010	NA	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	NA	ND
	NM-B-5-4.5-5.0	5.0	12/16/2010	NA	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	NA	ND
NM-B-6	NM-B-6-3.0-3.5	3.5	12/16/2010	NA	<390	<390	950 J	1,200 J	**1,900 J**	<390	<390	<390	**890**	<390	<390	<390	<390	<390	<390	<390	<390	NA	ND
	NM-B-6-4.0-4.5	4.5	12/16/2010	NA	**590**	<310	<310	<310	**25,000**	<310	<310	<310	580	<310	<310	<310	<310	<310	<310	<310	<310	NA	ND
	NM-B-6-6.5-7.0	7	12/16/2010	NA	<340	<340	<340	<340	**19,000**	<340	**22,000**	<340	**1,000**	<340	<340	<340	<340	<340	<340	<340	<340	NA	ND
AMEC May-July 2011 Investigation[4]																							
SB-14	SB-14-4.0	4.0	6/7/2011	68	10	<4.4	<4.4	<4.4	150	<4.4	140	<4.4	<4.4	<4.4	<4.4	<8.8	<4.4	<4.4	<4.4	<4.4	<4.4	<8.8	ND
	SB-14-8.0	8.0	6/7/2011	<40	<4.0	<4.0	<4.0	<4.0	220	<4.0	190	<4.0	5.3	<4.0	<4.0	<7.9	<4.0	<4.0	<4.0	<4.0	<4.0	<7.9	ND
	SB-14-11.0	11.0	6/7/2011	<39	<3.9	<3.9	<3.9	<3.9	150	<3.9	100	<3.9	<3.9	<3.9	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	ND
	SB-14-12.0	12.0	6/7/2011	<41	<4.1	<4.1	<4.1	<4.1	120	<4.1	65	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	ND
SB-18	SB-18-4.0	4.0	6/7/2011	<59	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9	<12	<5.9	<5.9	<5.9	<5.9	<5.9	<12	ND
	SB-18-8.0	8.0	6/7/2011	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	ND
	SB-18-12.0	12.0	6/7/2011	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	ND
SB-19	SB-19-4.0	4.0	6/7/2011	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	ND
	SB-19-8.0	8.0	6/9/2011	<43	<4.3	<4.3	<4.3	<4.3	110	<4.3	98	<4.3	<4.3	<4.3	<4.3	<8.7	<4.3	<4.3	<4.3	<4.3	<4.3	<8.7	ND
	SB-19-11.0	11.0	6/9/2011	<53	<5.3	<5.3	<5.3	<5.3	29	<5.3	12	<5.3	<5.3	<5.3	<5.3	<11	<5.3	<5.3	<5.3	<5.3	<5.3	<11	ND
	SB-19-13.0	13.0	6/9/2011	<58	<5.8	<5.8	<5.8	<5.8	21	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<12	<5.8	<5.8	<5.8	<5.8	<5.8	<12	ND
SB-22	SB-22-4.0	4.0	6/8/2011	<49	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9	ND
	SB-22-9.0	9.0	6/8/2011	<38	<3.8	<3.8	<3.8	<3.8	200	<3.8	69	<3.8	<3.8	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<3.8	<3.8	<7.7	ND
	SB-22-12.0	12.0	6/8/2011	<63	<6.3	<6.3	<6.3	<6.3	310	<6.3	110	<6.3	<6.3	<6.3	<6.3	<13	<6.3	<6.3	<6.3	<6.3	<6.3	<13	ND

TABLE 4

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per kilogram (µg/kg)

Location	Sample ID	Depth (feet bgs)	Date	Acetone	Benzene	Bromo-benzene	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	2-Chloro-toluene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Naphthalene (8260B)	PCE	1,2,4-Trichloro-benzene	TCE	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total	All Other VOCs
SB-24	SB-24-6.0	6.0	6/9/2011	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	ND
	SB-24-11.5	11.5	6/9/2011	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	ND
SB-25	SB-25-8.0	8.0	6/9/2011	<7,700	<770	<770	<770	<770	<770	2,100	**34,000**	5,300	**20,000**	<770	<770	<1,500	<770	<770	<770	<770	<770	<1,500	ND
	SB-25-12.0	12.0	6/9/2011	<40	<4.0	<4.0	<4.0	<4.0	<4.0	10	690	47	200	<4.0	<4.0	<8.1	<4.0	<4.0	<4.0	<4.0	<4.0	<8.1	ND
SB-29	SB-29-4.0	4.0	7/26/2011	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	ND
	SB-29-8.0	8.0	7/26/2011	<39	<3.9	4.8	<3.9	<3.9	4.7	19	240	32	160	<3.9	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	ND
	SB-29-12.0	12.0	7/26/2011	<38	<3.8	<3.8	<3.8	<3.8	<3.8	8.2	220	25	120	<3.8	<3.8	<7.7	<3.8	<3.8	<3.8	<3.8	<3.8	<7.7	ND
SB-30	SB-30-4.0	4.0	7/26/2011	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	ND
	SB-30-8.0	8.0	7/26/2011	<36	<3.6	<3.6	<3.6	<3.6	<3.6	9.8	110	18	74	<3.6	<3.6	<7.2	<3.6	<3.6	<3.6	<3.6	<3.6	<7.2	ND
	SB-30-12.0	12.0	7/26/2011	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	26	3.9	19	<3.9	<3.9	<7.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	ND
SB-31	SB-31-4.0	4.0	7/26/2011	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	ND
	SB-31-8.0	8.0	7/26/2011	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	12	<4.1	5.6	<4.1	<4.1	<8.2	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	ND
	SB-31-12.0	12.0	7/26/2011	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	11	<4.0	6.8	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	ND
SB-32	SB-32-3.0	3.0	7/26/2011	<45	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<9.0	<4.5	<4.5	<4.5	<4.5	<4.5	<9.0	ND
	SB-32-8.0	8.0	7/26/2011	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.7	<3.9	<3.9	<3.9	<3.9	<3.9	<7.7	ND
	SB-32-12.0	12.0	7/26/2011	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.8	<3.9	<3.9	<3.9	<3.9	<3.9	<7.8	ND
Ninyo & Moore August 2011 Investigation[5]																							
NM-B-13	NM-B-13-12.5-13.0	13.0	8/10/2011	NA	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	NA	ND
NM-B-18	NM-B-18-3.5-4.0	4.0	8/10/2011	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	NA	ND
	NM-B-18-12.5-13.0	13.0	8/12/2011	NA	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	NA	ND
	NM-B-18-13.5-14.0	14.0	8/10/2011	NA	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7	NA	ND
NM-B-19	NM-B-19-3.5-4.0	4.0	8/11/2011	NA	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	NA	ND
	NM-B-19-5.5-6.0	6.0	8/11/2011	NA	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	NA	ND
	NM-B-19-13.5-14.0	14.0	8/11/2011	NA	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	NA	ND
NM-B-21	NM-B-21-3.5-4.0	4.0	8/11/2011	NA	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	NA	ND
	NM-B-21-6.0-6.5	6.5	8/11/2011	NA	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	NA	ND
	NM-B-21-12.0-12.9	12.9	8/11/2011	NA	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	NA	ND
NM-B-23B	NM-B-23B-3.5-4.0	4.0	8/11/2011	NA	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	NA	ND
	NM-B-23B-5.0-5.5	5.5	8/11/2011	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	6.8	<4.3	<4.3	<4.3	<4.3	NA	ND
	NM-B-23B-13.5-14.0	14.0	8/11/2011	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	36	<4.2	<4.2	<4.2	<4.2	NA	ND
NM-B-25	NM-B-25-3.5-4.0	4.0	8/11/2011	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	NA	ND
	NM-B-25-5.0-5.5	5.5	8/11/2011	NA	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA	ND
	NM-B-25-12.5-13.0	13.0	8/11/2011	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	13	<4.2	<4.2	NA	ND
NM-B-27	NM-B-27-4.5-5.0	5.0	8/11/2011	NA	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA	ND
	NM-B-27-7.5-8.0	8.0	8/11/2011	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	NA	ND
	NM-B-27-14.0-14.5	14.5	8/11/2011	NA	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	NA	ND
NM-B-24	NM-B-24-12.5-13.0	13.0	8/9/2011	NA	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	13	<4.6	<4.6	<4.6	<4.6	NA	ND
NM-B-26	NM-B-26-13.5-14.0	14.0	8/9/2011	NA	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	12	<4.5	<4.5	NA	ND
NM-B-28	NM-B-28-13.0-13.5	13.5	8/9/2011	NA	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	NA	ND
NM-B-29	NM-B-29-12.5-13.0	13.0	8/9/2011	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	7.1	<4.2	<4.2	<4.2	<4.2	NA	ND
NM-B-30	NM-B-30-14.0-14.5	14.5	8/9/2011	NA	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	<4.5	17	<4.5	<4.5	<4.5	<4.5	NA	ND
NM-B-23B2	NM-B-23B2-5.0-5.5	5.5	9/8/2011	NA	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	5.8	<3.4	<3.4	<3.4	<3.4	NA	ND
NM-B-23C	NM-B-23C-5.0-5.5	5.5	9/8/2011	NA	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	5.7	<3.2	<3.2	<3.2	<3.2	NA	ND
NM-B-23D	NM-B-23D-5.0-5.5	5.5	9/8/2011	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	4.5	<3.6	<3.6	<3.6	<3.6	NA	ND
NM-B-23E	NM-B-23E-5.0-5.5	5.5	9/8/2011	NA	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	5	<4.2	<4.2	<4.2	<4.2	NA	ND
NM-B-32A	NM-B-32A-5.0-5.5	5.5	9/8/2011	NA	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	5.7	<3.6	<3.6	<3.6	<3.6	NA	ND
AMEC October 2011 Remediation Confirmation Sampling[6]																							
SUMP-EXS-1	SUMP-EXS-1-9	9.0	10/19/2011	<41	<4.1	<4.1	<4.1	<4.1	1,300	<4.1	910	<4.1	28	<4.1	<4.1	<8.3	<4.1	<4.1	<4.1	<4.1	<4.1	<8.3	ND
SUMP-EXS-2	SUMP-EXS-2-8	8.0	10/19/2011	<49	<4.9	<4.9	<4.9	<4.9	**1,600**	<4.9	**2,700**	<4.9	44	<4.9	<4.9	<9.9	<4.9	<4.9	<4.9	<4.9	<4.9	<9.9	ND
SUMP-EXS-3	SUMP-EXS-3-8	8.0	10/20/2011	<42	<4.2	<4.2	<4.2	<4.2	18	<4.2	**1,500**	<4.2	18	<4.2	<4.2	<8.4	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	ND
SUMP-EXS-4	SUMP-EXS-4-8	8.0	10/20/2011	<46	<4.6	<4.6	<4.6	<4.6	1,400	<4.6	**2,500**	<4.6	48	<4.6	<4.6	<9.3	<4.6	<4.6	<4.6	<4.6	<4.6	<9.3	ND
SUMP-EXS-8	SUMP-EXS-8-8	8.0	10/26/2011	<500	<30	<50	NA	<50	1,100	<50	**3,300**	<50	<50	<50	<50	<50	<25	<250	<30	<50	<50	150[7]	ND

TABLE 4

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per kilogram (µg/kg)

Location	Sample ID	Depth (feet bgs)	Date	Acetone	Benzene	Bromo-benzene	n-Butyl-benzene	sec-Butyl-benzene	Chloro-benzene	2-Chloro-toluene	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	cis-1,2-Dichloro-ethene	Ethyl-benzene	Naphthalene (8260B)	PCE	1,2,4-Trichloro-benzene	TCE	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total	All Other VOCs
PIT-EXS-5	FEPIT-EXS-5-6	6.0	10/24/2011	<43	<4.3	44	<4.3	<4.3	23	200	**2,700**	<440	**1,600**	<4.3	<4.3	<8.6	<440	<4.3	<4.3	8.6	<4.3	<8.6	ND
PIT-EXS-6	FEPIT-EXS-6-6	6.0	10/24/2011	<49	<4.9	43	7.3	<4.9	26	330	**71,000**	**10,000**	**43,000**	<4.9	<4.9	44	<4.9	16	<4.9	47	8.5	17	ND
PIT-EXS-7	FEPIT-EXS-7-6	6.0	10/25/2011	<43	<4.3	<4.3	<4.3	<4.3	5.6	17	<4.9	<4.9	<4.9	<4.3	<4.3	<8.6	<4.3	<4.3	<4.3	<4.3	<4.3	<8.6	ND
PIT-EXS-10	FEPIT-EXS-10-12	12.0	10/26/2011	<43	<4.3	4.3 J	<4.3	<4.3	10 J	17 J	170 J	20 J	110 J	5.6 J	<4.3	<8.6	<4.3	<4.3	6.8 J	<4.3	<4.3	<8.6	ND
PIT-EXS-9	FEPIT-EXS-9-6	6.0	10/26/2011	<45	<4.5	35	<4.5	<4.5	42	160	**6,400**	230	**4,000**	6.1	<4.5	<8.9	<4.5	<4.5	<4.5	<4.5	<4.5	12	ND
AMEC August-September 2012 Investigation[8]																							
SB-33	SB-33-5.3	5.3	8/27/2012	<38	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<7.7	5.7	<3.8	<3.8	<3.8	<3.8	<7.7	ND
	SB-33-10.3	10.3	8/27/2012	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	28	<3.9	<3.9	<3.9	<3.9	<7.9	ND
SB-34	SB-34-5.0	5.0	8/27/2012	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.2	14	<4.1	<4.1	<4.1	<4.1	<8.2	ND
	SB-34-10.0	10.0	8/27/2012	<36	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<7.2	38	<3.6	<3.6	<3.6	<3.6	<7.2	ND
SB-35	SB-35-5.0	5.0	8/27/2012	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.7	21	<3.9	<3.9	<3.9	<3.9	<7.7	ND
	SB-35-10.0	10.0	8/27/2012	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.9	48	<3.9	<3.9	<3.9	<3.9	<7.9	ND
SB-38	SB-38-5.0	5.0	8/28/2012	<44	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<8.7	5.1	<4.4	<4.4	<4.4	<4.4	<8.7	ND
	SB-38-10.0	10.0	8/28/2012	<40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	12	<4.0	<4.0	<4.0	<4.0	<8.0	ND
SB-39	SB-39-5.0	5.0	8/28/2012	<41	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1	<8.3	7.1	<4.1	<4.1	<4.1	<4.1	<8.3	ND
	SB-39-10.0	10.0	8/28/2012	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.3	15	<4.2	<4.2	<4.2	<4.2	<8.3	ND
SB-40	SB-40-5.0	5.0	8/28/2012	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	36	<5.0	<5.0	<5.0	<5.0	<10	ND
	SB-40-10.0	10.0	8/28/2012	<48	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8	<9.6	19	<4.8	<4.8	<4.8	<4.8	<9.6	ND
SB-41	SB-41-5.0	5.0	8/28/2012	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.4	20	<4.2	<4.2	<4.2	<4.2	<8.4	ND
	SB-41-10.0	10.0	8/28/2012	<43	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<8.5	9.1	<4.3	<4.3	<4.3	<4.3	<8.5	ND
MW-02	MW-02-11.0	11.0	8/30/2012	<39	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<3.9	<7.7	<3.9	<3.9	4.7	<3.9	<3.9	<7.7	ND
SB-46	SB-46-13.8	13.8	9/4/2012	<42	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<8.3	<4.2	<4.2	7.4	<4.2	<4.2	<8.3	ND
Environmental Screening Level (Residential Land Use)[9]				**500**	**44**	**NL**	**NL**	**NL**	**1,500**	**NL**	**1,100**	**7,400**	**590**	**190**	**2,300**	**1,300**	**370**	**1,500**	**460**	**NL**	**NL**	**2,300**	**--**

Notes
1. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.
2. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.California, August 16.
3. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
4. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27.
5. Ninyo & Moore, 2011, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.
6. AMEC, 2011, Remediation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, December 21.
7. m,p-Xylene was detected in this sample at 150 µg/kg. o-Xylene was not detected above the reporting limit of 50 µg/kg.
8. Samples were collected by AMEC in August and September 2012 and analyzed for VOCs by TestAmerica Laboratories, Inc., of Pleasanton, California, for TPHg using U.S. EPA Method 8260B.
9. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table A-1. Shallow Soil Screening Level (≤3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), May. The selected screening value is the lowest of those among urban ecotoxicity, human health (direct exposure), and potential leaching to groundwater.

Results shown in **bold** exceed their respective Environmental Screening Levels.
Results shown in gray indicate that the soil in the vicinity of the sample location was removed during excavation activities at the former sump or front end alignment pit.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
bgs = below ground surface
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
NL = not listed
PCE = tetrachloroethene
TCE = trichloroethene
µg/kg = micrograms per kilogram
U.S. EPA = U.S. Environmental Protection Agency

TABLE 5

SUMMARY VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	Acetone	Benzene	Bromo-dichloro-methane	Chloro-benzene	Chloro-form	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene	Methyl tert-butyl ether	Naphthalene (8260B)	n-Propyl-benzene	PCE	Toluene	1,2,4-Trichloro-benzene	TCE	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total	All Other VOCs
Basics February 2009 Investigation[1]																											
B1	B1-W	Primary	2/25/2009	54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<5.0	1.2	<0.5	<0.5	3.0	<0.5	<0.5	4.8	1.9	12	NA
B2	B2-W	Primary	2/25/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	0.77	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B3	B3-W	Primary	2/24/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	0.65	<0.5	0.66	NA
B4	B4-W	Primary	2/25/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	0.56	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B5	B5-W	Primary	2/24/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	1.6	0.7	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B7	B7-W	Primary	2/24/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B8	B8-W	Primary	2/24/2009	<10	**2.9**	<5.0	**370**	<5.0	<5.0	**140**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA
B9	B9-W	Primary	2/25/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<0.5	0.84	<0.5	<0.5	<0.5	<0.5	<0.5	NA
B10	B10-W	Primary	2/24/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	1.9	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	NA
AMEC September 2010 Investigation[2]																											
SB-01	SB-01	Primary	9/27/2010	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	0.11 J	<0.5	<0.5	<0.5	<1.0	<1.0	**44**	<0.5	<1.0	3.7	<0.5	<0.5	<1.0	NA
SB-02	SB-02	Primary	9/27/2010	<50	0.087 J	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	0.18 J	2.1	0.34 J	<0.5	<0.5	<1.0	<1.0	**15**	<0.5	<1.0	**60**	<0.5 UJ	<0.5	<1.0	NA
SB-03	SB-03	Primary	9/28/2010	<50	**1.5**	<0.5	**85**	<1.0	<0.5	**42**	<0.5	1.3	<0.5	1.3	<0.5	<0.5	<0.5	<1.0	<1.0	3.2	<0.5	<1.0	0.96	<0.5	<0.5	<1.0	NA
SB-04	SB-04	Primary	9/27/2010	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	NA	NA	NA	NA	<1.0	NA
	SB-40	Duplicate	9/27/2010	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	NA	NA	NA	NA	<1.0	NA
SB-08	SB-08	Primary	9/29/2010	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5	NA	NA	NA	<0.5	NA	NA	NA	NA	<1.0	NA
Ninyo & Moore September 2010 Investigation[3]																											
NM-B-1	NM-B-1-GW	Primary	12/16/2010	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-4	NM-B-4-GW	Primary	12/16/2010	NA	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	<0.50	NA	NA	NA	<0.50	NA	NA	NA	NA	NA	ND
NM-B-5	NM-B-5-GW	Primary	12/16/2010	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-6	NM-B-6-GW	Primary	12/16/2010	NA	**12**	<1.0	**620**	<1.0	<1.0	**350**	<1.0	**11**	<1.0	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	3.5	<1.0	<1.0	1.4	<1.0	<1.0	NA	ND
AMEC May-August 2011 Investigation[4]																											
SB-13	SB-13-GW-2	Primary	5/16/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
	SB-13-GW-3	Primary	5/16/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-15	SB-15-GW	Primary	6/7/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	**19**	<0.5	<1.0	1.0	<0.5	<0.5	<1.0	ND
SB-16	SB-16-GW	Primary	6/7/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	**37**	<0.5	<1.0	1.5	<0.5	<0.5	<1.0	ND
SB-17	SB-17-GW	Primary	6/7/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-18	SB-18	Primary	6/8/2011	<50 UJ	**2.1**	<0.5	**320**	<1.0	<0.5	**650**	<0.5	**15**	<0.5	1.2	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-19	SB-19	Primary	6/9/2011	<50 UJ	<0.5	<0.5	1.4	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	1.1	<0.5	<1.0	0.51	<0.5	<0.5	<1.0	ND
	SB-190	Duplicate	6/9/2011	<50 UJ	<0.5	<0.5	1.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<1.0	<1.0	1.1	<0.5	<1.0	0.53	<0.5	<0.5	<1.0	ND
SB-20	SB-20	Primary	6/9/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	1.4	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-21	SB-21-GW	Primary	6/8/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-23	SB-23	Primary	6/8/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	3.6	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-24	SB-24	Primary	6/8/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-25	SB-25	Primary	6/9/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	6.6	0.81	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	0.62	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-26	SB-26	Primary	6/9/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	0.98	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-27	SB-27	Primary	6/10/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-28	SB-28	Primary	6/10/2011	<50 UJ	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	4.6	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
SB-31	SB-31	Primary	7/26/2011	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	ND
Ninyo & Moore August-September 2011 Investigation[5]																											
NM-B-7	NM-B-7-W	Primary	8/12/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	0.9	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-9	NM-B-9-W	Primary	8/12/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<0.50	<0.50	<0.50	0.97	<0.50	<0.50	NA	<0.50	<0.50	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-13	NM-B-13-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-17	NM-B-17-W	Primary	8/11/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-18	NM-B-18-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-19	NM-B-19-W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-20	NM-B-20-W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**6.4**	<0.50	<0.50	0.52	<0.50	<0.50	NA	ND
NM-B-21	NM-B-21-W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	2.4	<0.50	<0.50	0.51	<0.50	<0.50	NA	ND
NM-B-22	NM-B-22-W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	0.9	<0.50	NA	<0.50	<0.50	**42**	<0.50	<0.50	**16**	<0.50	<0.50	NA	ND
NM-B-23A	NM-B-23A	Primary	8/8/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-23B	NM-B-23B	Primary	8/8/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**98**	<0.50	<0.50	0.89	<0.50	<0.50	NA	ND
NM-B-23E	NM-B-23E-W	Primary	9/8/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**130**	<0.50	<0.50	2.0	<0.50	<0.50	NA	ND
NM-B-23B2	NM-B-23B2-W	Primary	9/8/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**120**	<0.50	<0.50	1.7	<0.50	<0.50	NA	ND
NM-B-24	NM-B-24-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	0.7	<0.50	NA	<0.50	<0.50	**65**	<0.50	<0.50	**5.6**	<0.50	<0.50	NA	ND
NM-B-25	NM-B-25-W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**48**	<0.50	<0.50	**12**	<0.50	<0.50	NA	ND
NM-B-26	NM-B-26-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	1.9	<0.50	NA	<0.50	<0.50	1.7	<0.50	<0.50	**56**	<0.50	<0.50	NA	ND

TABLE 5

SUMMARY VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	Acetone	Benzene	Bromo-dichloro-methane	Chloro-benzene	Chloro-form	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethyl-benzene	Methyl tert-butyl ether	Naphthalene (8260B)	n-Propyl-benzene	PCE	Toluene	1,2,4-Trichloro-benzene	TCE	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	Xylenes, Total	All Other VOCs
NM-B-27	NM-B-27W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-28	NM-B-28-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	<0.50	NA	<0.50	<0.50	**16**	<0.50	<0.50	**48**	<0.50	<0.50	NA	ND
NM-B-29	NM-B-29-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**53**	<0.50	<0.50	3.7	<0.50	<0.50	NA	ND
NM-B-30	NM-B-30-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<0.50	NA	<0.50	<0.50	**58**	<0.50	<0.50	**18**	<0.50	<0.50	NA	ND
NM-B-31	NM-B-31-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-32	NM-B-32-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**190**	<0.50	<0.50	1.0	<0.50	<0.50	NA	ND
NM-B-32A	NM-B-32A-W	Primary	9/8/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**72**	<0.50	<0.50	0.71	<0.50	<0.50	NA	ND
NM-B-33	NM-B-33-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**25**	<0.50	<0.50	2.1	<0.50	<0.50	NA	ND
NM-B-34	NM-B-34W	Primary	8/9/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	**27**	<0.50	<0.50	0.5	<0.50	<0.50	NA	ND
NM-B-35	NM-B-35-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
NM-B-36	NM-B-36-W	Primary	8/10/2011	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	ND
AMEC October 2011 Remediation Confirmation Sampling[6]																											
SUMP-EXB-1	SUMP-EXB-WATER-1-16	Primary	10/26/2011	<500	**8.2**	<5.0	**2,800**	<10	<5.0	**18,000**	7.6	**250**	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<5.0	**12**	<5.0	24	8.3	<10	ND
		Split	10/26/2011	10	**7.0**	<1	**2,400**	<1	<1	**21,000 J**	6.8	**240**	<1	<1	<1	<1	<1	1.7	3.1	3.5	<1	**12**	<1	23	8.0	NA	ND
SUMP-EXB-2	SUMP-EXB-WATER-2-16	Primary	10/28/2011	<50	**6.3**	<0.5	**3,000**	<1.0	<0.5	**21,000**	4.5	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	1.5	**6.5**	0.58	**6.6**	<0.5	8.3	3.7	1.8	ND
		Split	10/28/2011	<50	**7.1**	<1	**2,100**	<1	<1	**11,000**	4.0	**130**	<1	<1	<1	<1	<1	<1	1.3	**8.9**	<1	**5.1**	<1	9.1	3.3	NA	ND
AMEC August-September 2012 Investigation[7]																											
SB-33	SB-33	Primary	8/28/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**130**	<0.50	<1.0	0.57	<0.50	<0.50	<1.0	ND
SB-34	SB-34	Primary	8/27/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**210**	<0.50	<1.0	<2.5	<0.50	<0.50	<1.0	ND
SB-35	SB-35	Primary	8/28/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**170**	<0.50	<1.0	0.58	<0.50	<0.50	<1.0	ND
SB-38	SB-38	Primary	8/28/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**100**	<0.50	<1.0	2.0	<0.50	<0.50	<1.0	ND
SB-39	SB-39	Primary	8/28/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**120**	<0.50	<1.0	2.0	<0.50	<0.50	<1.0	ND
	SB-390	Duplicate	8/28/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**140**	<0.50	<1.0	1.8	<0.50	<0.50	<1.0	ND
SB-40	SB-40	Primary	8/29/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**160**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
SB-41	SB-41	Primary	8/29/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**53**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
SB-42	SB-42	Primary	9/4/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**140**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
SB-43	SB-43	Primary	9/4/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**25**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
SB-44	SB-44	Primary	9/5/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**7.3**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
SB-45	SB-45	Primary	9/5/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**70**	<0.50	<1.0	0.59	<0.50	<0.50	<1.0	ND
SB-46	SB-46	Primary	9/5/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	<0.50	<0.50	<1.0	<1.0	**45**	<0.50	<1.0	**8.5**	<0.50	<0.50	<1.0	ND
MP-01	MP-01-1	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**120**	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
	MP-01-2	Primary	9/10/2012	130 [8]	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
	MP-01-3	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
MP-02	MP-02-1	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<0.50	<0.50	<1.0	<1.0	1.2	<0.50	<1.0	**15**	<0.50	<0.50	<1.0	ND
	MP-02-10	Duplicate	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<1.0	<1.0	1.6	<0.50	<1.0	**19**	<0.50	<0.50	<1.0	ND
	MP-02-2	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
	MP-02-3	Primary	9/10/2012	130 [8]	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
MP-03	MP-03-1	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**120**	<0.50	<1.0	**6.4**	<0.50	<0.50	<1.0	ND
	MP-03-3	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
MP-04	MP-04-1	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	4.0	<0.50	<1.0	1.3	<0.50	<0.50	<1.0	ND
	MP-04-2	Primary	9/10/2012	100 [8]	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
	MP-04-3	Primary	9/10/2012	150 [8]	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
MW-01	MW-01-(17-22)-GW[9]	Primary	8/30/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**150**	<0.50	<1.0	1.1	<0.50	<0.50	<1.0	ND
	MW-01	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**150**	<0.50	<1.0	1.2	<0.50	<0.50	<1.0	ND
	MW-10	Duplicate	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**160**	<0.50	<1.0	1.3	<0.50	<0.50	<1.0	ND
MW-02	MW-02-(15-20)-GW[9]	Primary	8/30/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	<0.50	<0.50	<0.50	<1.0	<1.0	**18**	<0.50	<1.0	**9.2**	<0.50	<0.50	<1.0	ND
	MW-02	Primary	9/10/2012	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**16**	<0.50	<1.0	**6.9**	<0.50	<0.50	<1.0	ND
MW-03	MW-03-(15-20)-GW[9]	Primary	8/31/2012	<50 UJ	<0.50	<0.50	<0.50	<1.0	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	**9.3**	<0.50	<1.0	0.59	<0.50	<0.50	<1.0	ND
	MW-03	Primary	9/10/2012	<50	<0.50	1.4	<0.50	2.1	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	3.2	<0.50	<1.0	<0.50	<0.50	<0.50	<1.0	ND
Environmental Screening Level (groundwater is a potential or current drinking water resource)[10]				**1,500**	**1**	**100**	**25**	**70**	**100**	**10**	**65**	**5**	**6**	**6**	**10**	**30**	**5**	17	**NL**	**5**	**40**	**5**	**5**	**NL**	**NL**	**20**	**--**

TABLE 5

SUMMARY VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Notes:

1. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16. Note that each sample was analyzed for benzene, ethylbenzene, toluene, and xylenes by two different U.S. EPA methods (U.S. EPA Methods 8260B and 8021). The greater of the two results for each constituent is shown herein.
2. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.
3. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
4. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27.
5. Ninyo & Moore, 2011, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.
6. AMEC, 2011, Remediation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, December 21.
7. Samples were collected by AMEC in August and September 2012, and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, for VOCs using U.S. EPA Method 8260B.
8. Acetone is a common laboratory contaminant and is not a constituent of concern in shallow groundwater; acetone detected in deeper groundwater may not be representative.
9. Results are shown for grab groundwater samples collected from borings MW-01 through MW-03 before the pre-pack monitoring wells were installed.
10. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water source), May. The selected screening value is the lowest of those among drinking water goals, aquatic habitat goals, taste and odor considerations, evaluation of potential vapor intrusion into buildings.

Results shown in **bold** exceed their respective Environmental Screening Levels.

Abbreviations:
< = not detected at or above the laboratory reporting limit shown
-- = not applicable
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
PCE = tetrachloroethene
TCE = trichloroethene
µg/L = micrograms per liter
UJ = the analyte was not detected at a level greater than or equal to the quantitation limit shown; the quantitation limit is approximate and may be inaccurate or imprecise.
U.S. EPA = U.S. Environmental Protection Agency
VOCs = volatile organic compounds

TABLE 6
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND NAPTHALENE IN SOIL VAPOR
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Results reported in micrograms per cubic meter (ug/m^3)

Location	Sample ID	Sample Type	Depth (feet bgs)	Date	Acetone	Benzene	Bromo-dichloro-methane	Bromo-methane	2-Butanone	Carbon Disulfide	Chloro-benzene	Chloro-form	Cyclo-hexane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-Dichloro-ethane	1,2-Dichloro-ethane	1,1-Dichloro-ethene	cis-1,2-Dichloro-ethene	trans-1,2-Dichloro-ethene	Ethanol	Ethyl acetate
Ninyo & Moore December 2010 Investigation[1]																									
SV-1	SV-1	Primary	4.0-5.0	12/16/2010	170	**150**	<14	<7.9	<150	25	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-2	SV-2	Primary	0.50	12/15/2010	<10,000	<500	<500	<500	<2,000	<500	<500	<500	NA	<500	32,000	880	**2,200**	<500	<500	<500	<500	<500	<500	NA	NA
SV-3	SV-3	Primary	0.50	12/15/2010	1,900	<6.5	<14	<7.9	<150	<6.3	22	<9.9	<180	<17	4,400	970	**3,300**	<10	87	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-4	SV-4	Primary	0.50	12/15/2010	<120	<6.5	<14	<7.9	<150	<6.3	<9.4	<9.9	<180	<17	20	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	1100	57
SV-5	SV-5	Primary	0.50	12/15/2010	<120	<6.5	<14	150	<150	<6.3	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	250	<7.3
SV-6	SV-6	Primary	0.50	12/16/2010	<120	<6.5	<14	<7.9	<150	<6.3	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
AMEC June-August 2011 Investigation[2]																									
SG-01	SG-01	Primary	5.5	6/9/2011	37 J	<3.8	<8.0	<4.6	<14	<15	<5.5	<5.8	<4.1	<10	<7.2	<7.2	<7.2	<5.9	<4.8	<4.8	<4.7	<4.7	<4.7	16	NA
SG-02	SG-02	Primary	5.5	6/9/2011	30 J	<6.9	<14	<8.4	<25	<27	<9.9	<10	<7.4	<18	<13	<13	<13	<11	<8.7	8.8	<8.6	<8.6	<8.6	<16	NA
SG-03	SG-03	Primary	5.5	6/9/2011	<150	**120 J**	<100	<60	<180	<190	<72	<76	140 J	<130	<93	<93	<93	<77	<63	<63	120 J	290 J	450 J	<120	NA
SG-04	SG-04	Primary	5.5	6/9/2011	120 J	**140**	<61	<36	<110	<110	<42	<45	110	<78	<55	<55	<55	<45	<37	<37	150	1,200	380	<69	NA
SG-05	SG-05	Primary	5.5	6/9/2011	12 J	3.6	<7.1	<4.1	<12	<13	<4.9	21	<3.7	<9.1	<6.4	<6.4	<6.4	6.6	<4.3	<4.3	<4.2	<4.2	<4.2	<8.0	NA
SG-06	SG-06	Primary	4.5	6/9/2011	76 J	<3.6	<7.5	<4.3	<13	15	<5.2	<5.5	<3.8	<9.5	<6.7	<6.7	<6.7	9.2	<4.5	<4.5	<4.4	<4.4	<4.4	<8.4	NA
	SG-60	Primary	4.5	6/9/2011	34 J	<3.8	<8.0	<4.6	<14	15	<5.5	<5.8	<4.1	<10	<7.2	<7.2	<7.2	8.4	<4.8	<4.8	<4.7	<4.7	<4.7	<9.0	NA
SG-07	SG-07	Primary	4.5	6/9/2011	55 J	27	11	<4.5	<14	46	<5.4	47	8.2	<9.9	<7.0	<7.0	<7.0	<5.8	17	<4.7	<4.6	<4.6	<4.6	<8.8	NA
SG-08	SG-08	Primary	4.5	6/9/2011	79 J	68	8.7	<4.1	16	86	860	28	9.4	<9.1	440	<6.4	<6.4	<5.3	14	4.5	<4.2	<4.2	<4.2	<8.0	NA
Ninyo & Moore August 2011 Investigation[3]																									
SV-7	SV-7	Primary	1.0-1.5	8/23/2011	<120	<6.5	<14	<7.9	<150	<6.3	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-8	SV-8	Primary	4-5	8/16/2011	210	55	<14	<7.9	<150	35	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-9	SV-9	Primary	2.5-3.0	8/18/2011	440	44	56	<7.9	<150	38	<9.4	110	<180	23	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-10	SV-10	Primary	4-5	8/16/2011	300	12	<14	<7.9	<150	11	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-11	SV-11	Primary	4-5	8/18/2011	<120	74	35	<7.9	<150	28	<9.4	270	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-12	SV-12	Primary	4-5	8/16/2011	<1,200	**90**	46	<7.9	430	44	<9.4	120	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	84	27	<96	<7.3
SV-13	SV-13	Primary	4-5	8/18/2011	<10,000	<500	<500	<500	<2,000	<500	<500	<500	NA	<500	<500	<500	<500	<500	<500	<500	640	1,300	3,600	NA	NA
SV-14	SV-14	Primary	4-5	8/18/2011	<10,000	<500	<500	<500	<2,000	<500	<500	<500	NA	<500	<500	<500	<500	<500	<500	<500	560	1,000	1,600	NA	NA
SV-15	SV-15	Primary	2.5-3.0	8/18/2011	280	**160**	<14	<7.9	180	36	<9.4	44	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	21	<8.1	<96	<7.3
SV-16	SV-16	Primary	1.5-2.0	8/18/2011	<120	**1,300**	<14	<7.9	<150	29	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-17	SV-17	Primary	4-5	8/16/2011	<1,200	**100**	19	<7.9	440	49	<9.4	72	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	25	<8.1	110	<7.3
SV-18	SV-18	Primary	2.5-3.0	8/18/2011	440	**130**	24	<7.9	260	170	<9.4	70	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-19	SV-19	Primary	4-5	8/17/2011	170	8.7	<14	<7.9	<150	71	<9.4	74	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-20	SV-20	Primary	0.5-1.0	8/23/2011	150	<6.5	<14	<7.9	<150	<6.3	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-21	SV-21	Primary	4-5	8/16/2011	150	32	83	<7.9	270	7.4	<9.4	150	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-22	SV-22	Primary	4.5-5.5	8/17/2011	<120	13	<14	<7.9	<150	9.7	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-23	SV-23	Primary	3.5-4.0	8/17/2011	<10,000	<500	<500	<500	<2,000	<500	<500	<500	NA	<500	<500	<500	<500	<500	<500	<500	840	1,200	1,100	<50,000	NA
SV-24	SV-24	Primary	3.5-4.0	8/17/2011	170	**170**	28	<7.9	<150	51	<9.4	<9.9	<180	<17	<12	<12	<12	<10	<8.2	<8.2	11	<8.1	<8.1	<96	<7.3
SV-25	SV-25	Primary	4.5-5.0	8/18/2011	<120	12	<14	<7.9	<150	<6.3	<9.4	20	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
SV-26	SV-26	Primary	4-5	8/16/2011	280	27	39	<7.9	310	<6.3	<9.4	71	<180	<17	<12	<12	<12	<10	<8.2	<8.2	<8.1	<8.1	<8.1	<96	<7.3
AMEC September 2012 Investigation[4]																									
SG-09	SG-09	Primary	4.5-5.5	9/5/2012	<29	<3.9	<8.1	<47	<14	<15	<5.6	<5.9	<4.2	<10	<7.3	<7.3	<7.3	<6.0	<4.9	<4.9	<4.8	<4.8	<4.8	<9.1	NA
	SG-09B	Duplicate	4.5-5.5	9/5/2012	<29	<3.9	<8.3	<48	<14	<15	<5.7	<6.0	<4.2	<10	<7.4	<7.4	<7.4	<6.1	<5.0	<5.0	<4.9	<4.9	<4.9	<9.3	NA
SG-10	SG-10	Primary	4.5-5.5	9/5/2012	29 J	<3.8	<8.0	<46	<14	<15	<5.5	<5.8	<4.1	<10	<7.2	<7.2	<7.2	<5.9	<4.8	<4.8	<4.7	<4.7	<4.7	<9.0	NA
SG-11	SG-11	Primary	4.5-5.5	9/5/2012	<27	15	<7.7	<44	<14	<14	<5.3	<5.6	4.5	<9.8	<6.9	<6.9	<6.9	<5.7	<4.6	<4.6	<4.5	<4.5	<4.5	<8.6	NA
SG-12	SG-12	Primary	7-8	9/5/2012	<28	<3.8	<8.0	<46	<14	<15	<5.5	<5.8	<4.1	<10	<7.2	<7.2	<7.2	<5.9	<4.8	<4.8	<4.7	<4.7	<4.7	<9.0	NA
SG-13	SG-13A	Primary	3.5-4.5	9/4/2012	<31 R	11	<8.6	<50	<15	<16	<5.9	<6.3	<4.4	<11	<7.8	<7.8	<7.8	<6.4	<5.2	<5.2	<5.1 UJ	<5.1	<5.1	<9.7 R	NA
	SG-13B	Primary	7.5-8.5	9/4/2012	<30 R	4.2	<8.4	<49	<15	<16	6.1	<6.2	<4.3	<11	<7.6	<7.6	<7.6	<6.2	<5.1	<5.1	<5.0 UJ	<5.0	9.9	<9.5 R	NA
SG-14	SG-14A	Primary	3.5-4.5	9/4/2012	<33	<4.5	<9.4	<55	<17	<18	6.9	<6.9	<4.8	<12	<8.5	<8.5	<8.5	<7.0	<5.7	<5.7	<5.6	<5.6	<5.6	<11 R	NA
	SG-14B	Primary	7.5-8.5	9/4/2012	<33 R	<4.4	<9.2	<54	<16	<17	<6.4	<6.7	<4.8	<12	<8.3	<8.3	<8.3	<6.8	<5.6	<5.6	<5.5 UJ	<5.5	<5.5	<10 R	NA
	SG-19A	Duplicate	7.5-8.5	9/4/2012	<33	4.9	<9.2	<54	<16	<17	<6.4	<6.7	<4.8	<12	<8.3	<8.3	<8.3	<6.8	<5.6	<5.6	<5.5	<5.5	<5.5	<10 R	NA
SG-15	SG-15A	Primary	3.5-4.5	9/4/2012	28	<3.9	<8.1	<47	<14	<15	<5.6	<5.9	<4.2	<10	<7.3	<7.3	<7.3	<6.0	<4.9	<4.9	<4.8	<4.8	<4.8	<9.1 R	NA
	SG-15B	Primary	7.5-8.5	9/4/2012	<30	<4.0	<8.4	<49	<15	<16	<5.8	<6.2	<4.3	<11	<7.6	<7.6	<7.6	<6.2	<5.1	<5.1	<5.0	<5.0	<5.0	<9.5 R	NA
SG-16	SG-16A	Primary	3.5-4.5	9/4/2012	<29	17	<8.1	<47	<14	27	5.6	<5.9	<4.2	<10	<7.3	<7.3	<7.3	<6.0	<4.9	<4.9	<4.8	<4.8	<4.8	<9.1 R	NA
	SG-16B	Primary	7.5-8.5	9/4/2012	<36	<4.9	<10	<59	<18	<19	<7.0	<7.4	<5.2	<13	<9.2	<9.2	<9.2	<7.5	<6.2	<6.2	<6.0	<6.0	<6.0	<11 R	NA
Ambient Samples[5]																									
Ambient Air	AA-060911	Primary	--	6/9/2011	12	<2.5	<5.3	<3.1	<9.3	<9.8	<3.6	<3.8	<2.7	<6.7	<4.7	<4.8	<4.8	<3.9	<3.2	<3.2	<3.1	<3.1	<3.1	6.8	NA
	Ambient-90412	Ambient	--	9/4/2012	<21	<2.8	<5.9	<34	<10	<11	<4.0	<4.3	<3.0	<7.4	<5.3	<5.3	<5.3	<4.3	<3.5	<3.5	<3.5	<3.5	<3.5	6.9	NA
	Ambient-09052012	Ambient	--	9/5/2012	<32	<4.3	<9.0	<52	<16	<17	<6.2	<6.5	<4.6	<11	<8.0	<8.0	<8.0	<6.6	<5.4	<5.4	<5.3	<5.3	<5.3	<10	NA
Environmental Screening Levels (residential land use)[6]					**660,000**	**84**	**140**	**1,000**	**1,000,000**	**NL**	**210,000**	**460**	**NL**	**NL**	**42,000**	**22,000**	**220**	**--**	**1,500**	**94**	**42,000**	**7,300**	**15,000**	**NL**	**NL**

TABLE 6
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND NAPTHALENE IN SOIL VAPOR
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Location	Sample ID	Sample Type	Depth (feet bgs)	Date	Ethyl-benzene	4-Ethyl-toluene	Heptane	Hexane	Isopropyl-benzene	Methyl tert-butyl ether	Methylene Chloride	4-Methyl-2-pentanone	Naphthalene	Propene	n-Propyl-benzene	tert-Butyl alcohol	PCE	Tetra-hydro-furan	Toluene	1,1,1-Trichloro-ethane	TCE	Trichloro-fluoro-methane	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	2,2,4-Trimethyl-pentane	Vinyl chloride	m,p-Xylene
Ninyo & Moore December 2010 Investigation[1]																											
SV-1	SV-1	Primary	4.0-5.0	12/16/2010	<8.8	<10	<210	<180	NA	280	<7.1	<8.3	<11	<88	NA	<62	<14	<6.0	16	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-2	SV-2	Primary	0.50	12/15/2010	<500	NA	NA	NA	<500	<500	<500	<500	<500	NA	<500	<5,000	<500	NA	<500	<500	<500	<500	4,000	1,800	NA	<500	NA
SV-3	SV-3	Primary	0.50	12/15/2010	<8.8	<10	<210	<180	NA	<7.3	19	<8.3	<11	<88	NA	<62	**4,700**	<6.0	30	260	64	13	<10	<10	NA	<5.2	NA
SV-4	SV-4	Primary	0.50	12/15/2010	<8.8	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	**140**	<6.0	9.6	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-5	SV-5	Primary	0.50	12/15/2010	94	33	<210	<180	NA	<7.3	47	<8.3	<11	<88	NA	<62	<14	<6.0	280	<11	<11	<11	200	91	NA	<5.2	NA
SV-6	SV-6	Primary	0.50	12/16/2010	<8.8	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	<14	<6.0	<7.7	<11	<11	<11	<10	<10	NA	<5.2	NA
AMEC June-August 2011 Investigation[2]																											
SG-01	SG-01	Primary	5.5	6/9/2011	21	<5.8	7.7	9.4	<5.8	<4.3	<4.1	<4.9	<25	NA	<5.8	NA	**580**	<3.5	51	<6.5	20	<6.7	<5.8	<5.8	<5.6	<3.0	35
SG-02	SG-02	Primary	5.5	6/9/2011	21	<11	<8.8	<7.6	<11	<7.8	<7.5	<8.8	<45	NA	<11	NA	**4,900**	<6.4	72	<12	65	<12	<11	<11	34	<5.5	23
SG-03	SG-03	Primary	5.5	6/9/2011	<68	<76	<64	<55	<76	<56	<54	<64	<330	NA	<76	NA	**17,000 J**	<46	61 J	<85	**3,200 J**	<87	<76	<76	81,000	**91 J**	<68
SG-04	SG-04	Primary	5.5	6/9/2011	61	<45	65	310	<45	<33	<32	<37	<190	NA	<45	NA	**1,400**	<27	98	<50	**5,800**	<51	<45	<45	18,000	**130 J**	80
SG-05	SG-05	Primary	5.5	6/9/2011	8.4	<5.2	18	<3.8	<5.2	<3.8	<3.7	<4.4	<22	NA	<5.2	NA	100	<3.1	32	<5.8	<5.7	<6.0	<5.2	<5.2	<5.0	3.8 J	14
SG-06	SG-06	Primary	4.5	6/9/2011	5.6	<5.5	<4.6	<3.9	<5.5	<4.0	<3.9	<4.6	<23	NA	<5.5	NA	730	15	22	<6.1	<6.0	<6.3	<5.5	<5.5	12	<2.9	9.1
	SG-60	Primary	4.5	6/9/2011	5.2	<5.8	<4.9	<4.2	<5.8	<4.3	<4.1	<4.9	<25	NA	<5.8	NA	730	13	21	<6.5	<6.4	<6.7	<5.8	<5.8	9.4	<3.0	8.6
SG-07	SG-07	Primary	4.5	6/9/2011	24	13	30	13	<5.7	<4.2	<4.0	14	<24	NA	<5.7	NA	160	18	120	25	9.2	6.8	15	8.4	280	<3.0	60
SG-08	SG-08	Primary	4.5	6/9/2011	29	12	69	48	<5.2	<3.8	<3.7	<4.4	<22	NA	<5.2	NA	27	<3.1	110	<5.8	<5.7	<6.0	12	7	450	5.0 J	70
Ninyo & Moore August 2011 Investigation[3]																											
SV-7	SV-7	Primary	1.0-1.5	8/23/2011	<8.8	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	47	<6.0	<7.7	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-8	SV-8	Primary	4-5	8/16/2011	9.5	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<880	NA	<62	<14	1,100	70	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-9	SV-9	Primary	2.5-3.0	8/18/2011	54	47	<210	<180	NA	<7.3	<7.1	77	<11	95	NA	<62	<14	450	140	<11	<11	<11	240	84	NA	<5.2	NA
SV-10	SV-10	Primary	4-5	8/16/2011	<8.8	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	280	58	24	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-11	SV-11	Primary	4-5	8/18/2011	64	52	<210	<180	NA	<7.3	<7.1	13	<11	<88	NA	<62	<14	1,300	200	<11	<11	<11	250	92	NA	<5.2	NA
SV-12	SV-12	Primary	4-5	8/16/2011	52	<10	<210	<180	NA	<7.3	<7.1	25	<11	<880	NA	120	54	4,900	190	<11	300	<11	10	<10	NA	<5.2	NA
SV-13	SV-13	Primary	4-5	8/18/2011	<500	NA	NA	NA	<500	<500	<500	<500	<500	NA	<500	<5,000	**7,300**	<500	<500	<500	**12,000**	<500	<500	<500	NA	<500	NA
SV-14	SV-14	Primary	4-5	8/18/2011	<500	NA	NA	NA	<500	<500	<500	<500	<500	NA	<500	<5,000	**790**	<500	<500	<500	**8,300**	<500	<500	<500	NA	<500	NA
SV-15	SV-15	Primary	2.5-3.0	8/18/2011	540	130	<210	<180	NA	<7.3	<7.1	53	<11	<88	NA	<62	<14	1,600	180	<11	30	<11	180	130	NA	<5.2	NA
SV-16	SV-16	Primary	1.5-2.0	8/18/2011	1,300	140	<210	480	NA	<7.3	<7.1	64	<11	<88	NA	<62	400	720	180	<11	27	<11	290	160	NA	<5.2	NA
SV-17	SV-17	Primary	4-5	8/16/2011	64	<10	<210	<180	NA	<7.3	<7.1	30	<11	<880	NA	240	<14	4,400	120	<11	36	<11	<10	<10	NA	<5.2	NA
SV-18	SV-18	Primary	2.5-3.0	8/18/2011	48	34	<210	<180	NA	<7.3	<7.1	36	<11	<88	NA	<62	<14	1,400	140	<11	<11	<11	150	46	NA	<5.2	NA
SV-19	SV-19	Primary	4-5	8/17/2011	28	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	730	NA	<62	<14	93	62	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-20	SV-20	Primary	0.5-1.0	8/23/2011	<8.8	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	160	<6.0	8.7	96	<11	<11	<10	<10	NA	<5.2	NA
SV-21	SV-21	Primary	4-5	8/16/2011	43	<10	<210	<180	NA	<7.3	<7.1	14	<11	<88	NA	<62	<14	3,800	140	<11	<11	<11	<10	<10	NA	<5.2	NA
SV-22	SV-22	Primary	4.5-5.5	8/17/2011	9.3	<10	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	**35,000**	500	19	<11	33	<11	17	<10	NA	<5.2	NA
SV-23	SV-23	Primary	3.5-4.0	8/17/2011	<500	NA	NA	NA	<500	<500	<500	<500	<500	NA	<500	<5,000	**2,300**	NA	<500	<500	**9,100**	<500	<500	<500	NA	**510**	NA
SV-24	SV-24	Primary	3.5-4.0	8/17/2011	73	34	<210	<180	NA	<7.3	<7.1	<8.3	<11	<88	NA	<62	**9,600**	2,800	260	<11	410	<11	120	55	NA	<5.2	NA
SV-25	SV-25	Primary	4.5-5.0	8/18/2011	<8.8	<10	<210	<180	NA	<7.3	<7.1	17	<11	<88	NA	<62	94	400	25	28	<11	<11	12	<10	NA	<5.2	NA
SV-26	SV-26	Primary	4-5	8/16/2011	47	<10	<210	<180	NA	<7.3	<7.1	13	<11	<88	NA	100	<14	4,200	140	<11	<11	<11	10	10	NA	<5.2	NA
AMEC September 2012 Investigation[4]																											
SG-09	SG-09	Primary	4.5-5.5	9/5/2012	<5.2	<5.9	<5.0	<4.3	<5.9	<4.4	<42	<5.0	<25	NA	<5.9	NA	68	<3.6	11	19	<6.5	<6.8	9.9	<5.9	<5.6	<3.1	14
	SG-09B	Duplicate	4.5-5.5	9/5/2012	<5.4	<6.1	<5.1	<4.4	<6.1	<4.4	<43	<5.0	<26	NA	<6.1	NA	69	<3.6	11	18	<6.6	<6.9	10	<6.1	<5.8	<3.2	14
SG-10	SG-10	Primary	4.5-5.5	9/5/2012	<5.2	<5.8	<4.9	<4.2	<5.8	<4.3	<41	<4.9	<25	NA	<5.8	NA	68	<3.5	8.7	24	<6.4	<6.7	<5.8	<5.8	<5.6	<3.0	10
SG-11	SG-11	Primary	4.5-5.5	9/5/2012	<5.0	<5.6	<4.7	<4.0	<5.6	<4.1	<40	<4.7	<24	NA	<5.6	NA	94	<3.4	9.4	11	<6.2	<6.4	10	<5.6	5.5	<2.9	12
SG-12	SG-12	Primary	7-8	9/5/2012	<5.2	<5.8	<4.9	<4.2	<5.8	<4.3	<41	<4.9	<25	NA	<5.8	NA	48	<3.5	5.2	14	<6.4	<6.7	8.4	<5.8	<5.6	<3.0	12
SG-13	SG-13A	Primary	3.5-4.5	9/4/2012	25	37	<5.3	<4.5	11	<4.6	<45 R	<5.3	<27	NA	6.7	NA	<8.8	4.0 J	77	<7.0	<6.9	<7.2	51	20	<6.0	<3.3	120
	SG-13B	Primary	7.5-8.5	9/4/2012	<5.5	6.7	<5.2	<4.4	<6.2	<4.5	<44 R	<5.2	<26	NA	<6.2	NA	<8.5	<3.7 R	16	<6.9	160	<7.1	9.4	<6.2	<5.9	<3.2	20
SG-14	SG-14A	Primary	3.5-4.5	9/4/2012	11	15	<5.8	<5.0	<6.9	<5.1	<49	<5.8	<30	NA	<6.9	NA	24 J	<4.2 R	23	<7.7	<7.6	<7.9	22	7.6	<6.6	<3.6	42
	SG-14B	Primary	7.5-8.5	9/4/2012	7.1	<6.8	<5.6	<4.9	<6.8	<5.0	<48 R	<5.6	<29	NA	<6.8	NA	41 J	<4.1 R	17	<7.5	400	<7.8	7.0	<6.8	<6.4	<3.5	18
	SG-19A	Duplicate	7.5-8.5	9/4/2012	<6.0	<6.8	<5.6	<4.9	<6.8	<5.0	<48	<5.6	<29	NA	<6.8	NA	68 J	<4.1 R	17	<7.5	380	<7.8	8.8	<6.8	<6.4	<3.5	18
SG-15	SG-15A	Primary	3.5-4.5	9/4/2012	10	14	<5.0	<4.3	<5.9	<4.4	<42	<5.0	<25	NA	<5.9	NA	74 J	<3.6 R	17	<6.6	<6.5	<6.8	22	11	<5.6	<3.1	41
	SG-15B	Primary	7.5-8.5	9/4/2012	<5.5	7.8	<5.2	<4.4	<6.2	<4.5	<44	<5.2	<26	NA	<6.2	NA	**700 J**	<3.7 R	7.9	<6.9	140	<7.1	14	8.1	<5.9	<3.2	22
SG-16	SG-16A	Primary	3.5-4.5	9/4/2012	30	40	<5.0	<4.3	<5.9	<4.4	<42	<5.0	<25	NA	10	NA	92 J	5.1 J	80	<6.6	<6.5	<6.8	51	20	<5.6	<3.1	120
	SG-16B	Primary	7.5-8.5	9/4/2012	<6.6	<7.5	<6.2	<5.4	<7.5	<5.5	<53	<6.2	<32	NA	<7.5	NA	**2,700 J**	<4.5 R	12	<8.3	<8.2	<8.6	<7.5	<7.5	<7.1	<3.9	14
Ambient Samples[5]																											
Ambient Air	AA-060911	Primary	--	6/9/2011	<3.4	<3.9	<3.2	<2.8	<3.9	<2.8	<2.7	<3.2	<16	NA	<3.9	NA	<5.4	<2.3	<3.0	<4.3	<4.2	<4.4	<3.9	<3.9	<3.7	<2.0	<3.4
	Ambient-90412	Ambient	--	9/4/2012	<3.8	<4.3	<3.6	<3.1	<4.3	<3.2	<30	<3.6	<18	NA	<4.3	NA	<5.9	<2.6	<3.3	<4.8	<4.7	<4.9	<4.3	<4.3	<4.1	<2.2	<3.8
	Ambient-09052012	Ambient	--	9/5/2012	<5.8	<6.6	<5.5	<4.7	<6.6	<4.8	<46	<5.5	<28	NA	<6.6	NA	<9.1	<4.0	<5.0	<7.3	<7.2	<7.5	<6.6	<6.6	<6.2	<3.4	<5.8
Environmental Screening Levels (residential land use)[6]					**980**	**NL**	**NL**	**NL**	**NL**	**9,400**	**5,200**	**630,000**	**72**	**NL**	**NL**	**NL**	**410**	**NL**	**63,000**	**460,000**	**1,200**	**NL**	**NL**	**NL**	**NL**	**31**	**21,000**

TABLE 6
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND NAPTHALENE IN SOIL VAPOR
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

							Leak Detection Compounds		
Location	**Sample ID**	**Sample Type**	**Depth (feet bgs)**	**Date**	**o-Xylene**	**Xylenes, Total**	**Isopropyl Alcohol**	**Freon 134A**	**Helium (%)**
Ninyo & Moore December 2010 Investigation[1]									
SV-1	SV-1	Primary	4.0-5.0	12/16/2010	NA	<27	<10	NA	NA
SV-2	SV-2	Primary	0.50	12/15/2010	NA	1,100	<10	NA	NA
SV-3	SV-3	Primary	0.50	12/15/2010	NA	<27	<10	NA	NA
SV-4	SV-4	Primary	0.50	12/15/2010	NA	<27	<10	NA	NA
SV-5	SV-5	Primary	0.50	12/15/2010	NA	550	<10	NA	NA
SV-6	SV-6	Primary	0.50	12/16/2010	NA	<27	<10	NA	NA
AMEC June-August 2011 Investigation[2]									
SG-01	SG-01	Primary	5.5	6/9/2011	17	NA	NA	<20	NA
SG-02	SG-02	Primary	5.5	6/9/2011	11	NA	NA	<36	NA
SG-03	SG-03	Primary	5.5	6/9/2011	<68	NA	NA	<260	NA
SG-04	SG-04	Primary	5.5	6/9/2011	<40	NA	NA	<150	NA
SG-05	SG-05	Primary	5.5	6/9/2011	5.5	NA	NA	<18	NA
SG-06	SG-06	Primary	4.5	6/9/2011	<4.9	NA	NA	120	NA
	SG-60	Primary	4.5	6/9/2011	<5.2	NA	NA	110	NA
SG-07	SG-07	Primary	4.5	6/9/2011	17	NA	NA	550	NA
SG-08	SG-08	Primary	4.5	6/9/2011	22	NA	NA	910	NA
Ninyo & Moore August 2011 Investigation[3]									
SV-7	SV-7	Primary	1.0-1.5	8/23/2011	NA	<27	<10	NA	NA
SV-8	SV-8	Primary	4-5	8/16/2011	NA	42	<10	NA	NA
SV-9	SV-9	Primary	2.5-3.0	8/18/2011	NA	320	<10	NA	NA
SV-10	SV-10	Primary	4-5	8/16/2011	NA	<27	<10	NA	NA
SV-11	SV-11	Primary	4-5	8/18/2011	NA	390	<10	NA	NA
SV-12	SV-12	Primary	4-5	8/16/2011	NA	260	<10	NA	NA
SV-13	SV-13	Primary	4-5	8/18/2011	NA	<500	<10	NA	NA
SV-14	SV-14	Primary	4-5	8/18/2011	NA	1,100	<10	NA	NA
SV-15	SV-15	Primary	2.5-3.0	8/18/2011	NA	4,300	<10	NA	NA
SV-16	SV-16	Primary	1.5-2.0	8/18/2011	NA	2,900	<10	NA	NA
SV-17	SV-17	Primary	4-5	8/16/2011	NA	300	<10	NA	NA
SV-18	SV-18	Primary	2.5-3.0	8/18/2011	NA	260	<10	NA	NA
SV-19	SV-19	Primary	4-5	8/17/2011	NA	120	<10	NA	NA
SV-20	SV-20	Primary	0.5-1.0	8/23/2011	NA	<27	<10	NA	NA
SV-21	SV-21	Primary	4-5	8/16/2011	NA	200	<10	NA	NA
SV-22	SV-22	Primary	4.5-5.5	8/17/2011	NA	54	<10	NA	NA
SV-23	SV-23	Primary	3.5-4.0	8/17/2011	NA	<500	<10	NA	NA
SV-24	SV-24	Primary	3.5-4.0	8/17/2011	NA	410	<10	NA	NA
SV-25	SV-25	Primary	4.5-5.0	8/18/2011	NA	47	<10	NA	NA
SV-26	SV-26	Primary	4-5	8/16/2011	NA	250	<10	NA	NA
AMEC September 2012 Investigation[4]									
SG-09	SG-09	Primary	4.5-5.5	9/5/2012	5.6	NA	NA	NA	NA
	SG-09B	Duplicate	4.5-5.5	9/5/2012	6.1	NA	NA	NA	NA
SG-10	SG-10	Primary	4.5-5.5	9/5/2012	<5.2	NA	NA	NA	NA
SG-11	SG-11	Primary	4.5-5.5	9/5/2012	<5.0	NA	NA	NA	<0.11
SG-12	SG-12	Primary	7-8	9/5/2012	<5.2	NA	NA	NA	NA
SG-13	SG-13A	Primary	3.5-4.5	9/4/2012	34	NA	NA	NA	NA
	SG-13B	Primary	7.5-8.5	9/4/2012	7.7	NA	NA	NA	NA
SG-14	SG-14A	Primary	3.5-4.5	9/4/2012	12	NA	NA	NA	NA
	SG-14B	Primary	7.5-8.5	9/4/2012	7.1	NA	NA	NA	NA
	SG-19A	Duplicate	7.5-8.5	9/4/2012	<6.0	NA	NA	NA	NA
SG-15	SG-15A	Primary	3.5-4.5	9/4/2012	9.4	NA	NA	NA	<0.12
	SG-15B	Primary	7.5-8.5	9/4/2012	5.6	NA	NA	NA	NA
SG-16	SG-16A	Primary	3.5-4.5	9/4/2012	34	NA	NA	NA	NA
	SG-16B	Primary	7.5-8.5	9/4/2012	<6.6	NA	NA	NA	NA
Ambient Samples[5]									
Ambient Air	AA-060911	Primary	--	6/9/2011	<3.4	NA	NA	NA	NA
	Ambient-90412	Ambient	--	9/4/2012	<3.8	NA	NA	NA	NA
	Ambient-09052012	Ambient	--	9/5/2012	<5.8	NA	NA	NA	NA
Environmental Screening Levels (residential land use)[6]					**NL**	**21,000**	**NL**	**NL**	**NL**

TABLE 6
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND NAPTHALENE IN SOIL VAPOR
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Notes:

1. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
2. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27.
3. Ninyo & Moore, 2011, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.
4. Soil vapor samples were collected by AMEC in September 2012 and analyzed by Air Toxics, Ltd., of Folsom, California, using U.S. EPA Method TO-15. Selected samples were additionally analyzed for helium using ASTM-D 1946.
5. Ambient air samples were collected by AMEC in 2011 and 2012 from outdoor air. Samples were located in an approximate upwind direction of the vapor samples and collected over a approximately 8 hours.
6. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table E-2. Shallow Soil Gas Screening Levels for Evaluation of Potential Vapor Intrusion Concerns, Residential Exposure, May.

Results shown in **bold** exceed their respective Environmental Screening Levels.

Abbreviations:

-- = not applicable
< = not detected at or above the laboratory reporting limit shown
bgs = below ground surface
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
NL = not listed
PCE = tetrachloroethene
TCE = trichloroethene
R = the sample results are rejected due to serious deficiencies in the ability to meet quality control criteria; the presence or absence of the analyte cannot be verified
UJ = the analyte was not detected at a level greater than or equal to the quantitation limit shown; the quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 7

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in milligrams per kilogram (mg/kg)

				TPH					PAHs	
Location	Sample ID	Depth (feet bgs)	Date	TPHg	TPHd	TPHmo	TPHho	TPHss	Naphthalene (8270C)	All Other PAHs
Basics February 2009 Investigation[1]										
B1	B1-4.0	4	2/25/2009	<1.0	<1.0	<5.0	NA	<1.0	NA	NA
B2	B2-4.0	4	2/25/2009	<1.0	1.1	5.4	NA	<1.0	NA	NA
B3	B3-4.0	4	2/24/2009	<1.0	<1.0	<5.0	NA	<1.0	NA	NA
B4	B4-4.0	4	2/25/2009	<1.0	<1.0	<5.0	NA	<1.0	NA	NA
B5	B5-4.0	4	2/24/2009	<1.0	1.9	<5.0	NA	<1.0	NA	NA
B6	B6-10.0	10	2/25/2009	<1.0	<1.0	<5.0	NA	<1.0	NA	NA
B7	B7-4.0	4	2/24/2009	<1.0	33	180	NA	<1.0	NA	NA
B8	B8-4.0	4	2/24/2009	<1.0	1.3	<5.0	NA	<1.0	NA	NA
B9	B9-14.0	14	2/25/2009	<1.0	1.4	5.5	NA	<1.0	NA	NA
B10	B10-4.0	4	2/24/2009	<1.0	1.6	<5.0	NA	<1.0	NA	NA
AMEC September 2010 Investigation[2]										
SB-01	SB-01-11.7	11.7	9/27/2010	<0.18	NA	NA	NA	NA	NA	NA
	SB-01-13.8	13.8	9/27/2010	13 J	NA	NA	NA	NA	NA	NA
SB-02	SB-02-9.1	9.1	9/27/2010	<0.19	NA	NA	NA	NA	NA	NA
	SB-02-11.5	11.5	9/27/2010	1.4	NA	NA	NA	NA	NA	NA
SB-03	SB-03-1.3	1.3	9/28/2010	<0.19	NA	NA	NA	NA	NA	ND
	SB-03-2.8	2.8	9/28/2010	<22	NA	NA	NA	NA	NA	NA
	SB-03-3.2	3.2	9/28/2010	**1,200**	NA	NA	NA	NA	NA	NA
	SB-03-6.5	6.5	9/28/2010	<20	NA	NA	NA	NA	NA	NA
	SB-03-11.5	11.5	9/28/2010	<22	NA	NA	NA	NA	NA	NA
SB-04	SB-04-3.0	3	9/27/2010	<0.16	2.6	<50	NA	NA	<0.005	NA
	SB-04-7.0	7	9/27/2010	<0.20	<0.99	<50	NA	NA	NA	NA
	SB-04-8.5	8.5	9/27/2010	<0.19	<0.99	<49	NA	NA	NA	NA
	SB-04-12.0	12	9/27/2010	<0.20	<1.0	<50	NA	NA	<0.005	ND
SB-05	SB-05-0.7	0.7	9/28/2010	NA	20	58	NA	NA	<0.01 UJ	ND
	SB-05-2.0	2	9/28/2010	NA	<0.99	<50	NA	NA	NA	NA
	SB-05-11.5	11.5	9/28/2010	NA	<1.0	<50	NA	NA	<0.005 UJ	ND
SB-06	SB-06-3.0	3	9/28/2010	NA	<0.99	<50	NA	NA	0.0094 J	ND
	SB-06-11.0	11	9/28/2010	NA	<1.0	<50	NA	NA	<0.005 UJ	ND
SB-07	SB-07-13.2	13.2	9/29/2010	NA	<1.0	<50	NA	NA	<0.005 UJ	ND
SB-08	SB-08-15.7	15.7	9/29/2010	<0.24	1.1	<49	NA	NA	0.0056 J	ND
SB-09	SB-09-3.0	3	9/28/2010	NA	<0.99	<50	NA	NA	NA	NA
	SB-09-4.9	4.9	9/28/2010	NA	1.4	<50	NA	NA	0.005 J	ND
	SB-09-6.0	6	9/28/2010	NA	<0.99	<50	NA	NA	NA	NA
	SB-09-11.8	11.8	9/28/2010	NA	<1.0	<50	NA	NA	0.0051 J	ND
SB-10	SB-10-4.0	4	9/28/2010	NA	1.1	<50	NA	NA	NA	NA
	SB-10-9.0	9	9/28/2010	NA	<0.99	<50	NA	NA	NA	NA
	SB-10-10.5	10.5	9/28/2010	NA	<0.99	<49	NA	NA	NA	NA
	SB-10-11.5	11.5	9/28/2010	NA	<1.0	<50	NA	NA	<0.005 UJ	ND
SB-11	SB-11-12.8	12.8	9/27/2010	NA	<0.99	<50	NA	NA	<0.005	ND
SB-12	SB-12-12.0	12	9/28/2010	NA	<0.98	<49	NA	NA	<0.0049 UJ	ND
Ninyo & Moore December 2010 Investigation[3]										
NM-B-1	NM-B-1-1.5-2.0	2	12/16/2010	<0.98	<1.0	<1.0	NA	NA	NA	NA
	NM-B-1-4.5-5.0	5	12/16/2010	<1.7	<1.0	<1.0	NA	NA	NA	NA
NM-B-2	NM-B-2-1.5-2.0	2	12/16/2010	NA	11	40	NA	NA	NA	NA
	NM-B-2-4.5-5.0	5	12/16/2010	NA	8.0	34	NA	NA	NA	NA
NM-B-3	NM-B-3-1.5-2.0	2	12/16/2010	NA	2.4	6.6	NA	NA	NA	NA
	NM-B-3-4.5-5.0	5	12/16/2010	NA	<1.0	<1.0	NA	NA	NA	NA
NM-B-4	NM-B-4-1.5-2.0	2	12/16/2010	<1.2	11	33	NA	NA	NA	NA
	NM-B-4-4.5-5.0	5	12/16/2010	<1.1	<1.0	1.7	NA	NA	NA	NA
NM-B-5	NM-B-5-1.5-2.0	2	12/16/2010	<0.93	<1.0	<1.0	NA	NA	NA	NA
	NM-B-5-4.5-5.0	5	12/16/2010	<0.93	<1.0	<1.0	NA	NA	NA	NA
NM-B-6	NM-B-6-3.0-3.5	3.5	12/16/2010	**880**	NA	NA	NA	NA	NA	NA
	NM-B-6-3.0-3.5	3.5	12/16/2010	**1,000**	NA	NA	NA	NA	NA	NA
	NM-B-6-4.0-4.5	4.5	12/16/2010	9.6	NA	NA	NA	NA	NA	NA
	NM-B-6-6.5-7.0	7	12/16/2010	2.2	NA	NA	NA	NA	NA	NA
AMEC May-July 2011 Investigation[4]										
SB-14	SB-14-4.0	4	6/7/2011	0.3	NA	NA	NA	NA	NA	NA
	SB-14-8.0	8	6/7/2011	<0.20	NA	NA	NA	NA	NA	NA
	SB-14-11.0	11	6/7/2011	<0.20	NA	NA	NA	NA	<0.005	NA
	SB-14-12.0	12	6/7/2011	<0.20	NA	NA	NA	NA	NA	NA
SB-18	SB-18-4.0	4	6/7/2011	<0.29	NA	NA	NA	NA	NA	NA
	SB-18-8.0	8	6/7/2011	<0.20	NA	NA	NA	NA	NA	NA
	SB-18-12.0	12	6/7/2011	<0.21	NA	NA	NA	NA	<0.005	NA
SB-19	SB-19-4.0	4	6/7/2011	<0.21	NA	NA	NA	NA	NA	NA
	SB-19-8.0	8	6/9/2011	<0.22	NA	NA	NA	NA	NA	NA
	SB-19-11.0	11	6/9/2011	<0.27	NA	NA	NA	NA	<0.0049	NA
	SB-19-13.0	13	6/9/2011	<0.29	NA	NA	NA	NA	NA	NA
SB-20	SB-20-6.0	6	6/9/2011	NA	NA	NA	<50	NA	NA	NA
	SB-20-11.0	11	6/9/2011	NA	NA	NA	**1,900**	NA	<0.025	NA
	SB-20-13.0	13	6/9/2011	NA	NA	NA	<50	NA	NA	NA
SB-22	SB-22-4.0	4	6/8/2011	<0.25	NA	NA	NA	NA	NA	NA
	SB-22-9.0	9	6/8/2011	<0.19	NA	NA	NA	NA	<0.005	NA
	SB-22-12.0	12	6/8/2011	<0.32	NA	NA	NA	NA	NA	NA
SB-23	SB-23-6.0	6	6/8/2011	NA	NA	NA	<50	NA	<0.005	NA
	SB-23-12.0	12	6/8/2011	NA	NA	NA	<50	NA	NA	NA
SB-24	SB-24-6.0	6	6/9/2011	<0.20	<0.99	<49	NA	NA	<0.0049	ND
	SB-24-11.5	11.5	6/9/2011	<0.21	<1.0	<50	NA	NA	<0.005	ND
SB-25	SB-25-8.0	8	6/9/2011	<39	NA	NA	**5,000**	NA	0.23	NA
	SB-25-12.0	12	6/9/2011	NA	NA	NA	<49	NA	NA	NA
SB-26	SB-26-6.0	6	6/9/2011	NA	NA	NA	<49	NA	<0.0049	NA
	SB-26-9.0	9	6/9/2011	NA	NA	NA	<50	NA	NA	NA
SB-27	SB-27-6.0	6	6/10/2011	NA	NA	NA	<49	NA	<0.005	NA
	SB-27-11.0	11	6/10/2011	NA	NA	NA	<50	NA	NA	NA
SB-28	SB-28-6.0	6	6/10/2011	NA	NA	NA	<50	NA	<0.005	NA
	SB-28-10.8	10.8	6/10/2011	NA	NA	NA	<50	NA	NA	NA

TABLE 7

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in milligrams per kilogram (mg/kg)

				TPH					PAHs	
Location	**Sample ID**	**Depth (feet bgs)**	**Date**	**TPHg**	**TPHd**	**TPHmo**	**TPHho**	**TPHss**	**Naphthalene (8270C)**	**All Other PAHs**
SB-29	SB-29-4.0	4	7/26/2011	<0.20	51	97	98	NA	NA	NA
	SB-29-8.0	8	7/26/2011	<0.2	<1.0	<50	<50	NA	NA	NA
	SB-29-12.0	12	7/26/2011	<0.19	<0.99	<50	<50	NA	NA	NA
SB-30	SB-30-4.0	4	7/26/2011	<0.20	2.9	<50	<50	NA	NA	NA
	SB-30-8.0	8	7/26/2011	<0.18	<0.99	<49	<49	NA	NA	NA
	SB-30-12.0	12	7/26/2011	<0.2	<1.0	<50	<50	NA	NA	NA
SB-31	SB-31-4.0	4	7/26/2011	<0.21	2.8	<50	<50	NA	NA	NA
	SB-31-8.0	8	7/26/2011	<0.21	<1.0	<50	<50	NA	NA	NA
	SB-31-12.0	12	7/26/2011	<0.20	<1.0	<50	<50	NA	NA	NA
SB-32	SB-32-3.0	3	7/26/2011	<0.23	2.1	<50	<50	NA	NA	NA
	SB-32-8.0	8	7/26/2011	<0.19	<0.99	<50	<50	NA	NA	NA
	SB-32-12.0	12	7/26/2011	<0.20	<1.0	<50	<50	NA	NA	NA
Ninyo & Moore August 2011 Investigation[5]										
NM-B-7	NM-B-7-12.0-12.5	12.5	8/11/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-8	NM-B-8-12.5-13.0	13	8/11/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-9	NM-B-9-12.0-12.5	12.5	8/11/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-10	NM-B-10-12.0-12.5	12.5	8/12/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-11	NM-B-11-14.5-15.0	15	8/12/2011	NA	NA	NA	230 J	NA	NA	NA
NM-B-12	NM-B-12-12.5-13.0	13	8/12/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-13	NM-B-13-12.5-13.0	13	8/10/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-14	NM-B-14-13.0-13.5	13.5	8/12/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-15	NM-B-15-12.0-12.5	12.5	8/12/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-16	NM-B-16-12.0-12.5	12.5	8/12/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-17	NM-B-17-12.5-13.0	13	8/11/2011	NA	NA	NA	<10	NA	NA	NA
NM-B-18	NM-B-18-3.5-4.0	4	8/10/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-18-12.5-13.0	13	8/10/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-18-12.5-13.0	13	8/12/2011	NA	NA	NA	<10	NA	NA	NA
	NM-B-18-13.5-14.0	14	8/10/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-19	NM-B-19-3.5-4.0	4	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-19-5.5-6.0	6	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-19-13.5-14.0	14	8/11/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-21	NM-B-21-3.5-4.0	4	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-21-6.0-6.5	6.5	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-21-12.0-12.9	12.9	8/11/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-23B	NM-B-23B-3.5-4.0	4	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-23B-5.0-5.5	5.5	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-23B-13.5-14.0	14	8/11/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-23B2	NM-B-23B2-5.0-5.5	5.5	9/8/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-23C	NM-B-23C-5.0-5.5	5.5	9/8/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-23D	NM-B-23D-5.0-5.5	5.5	9/8/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-23E	NM-B-23E-5.0-5.5	5.5	9/8/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-24	NM-B-24-12.5-13.0	13	8/9/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-25	NM-B-25-3.5-4.0	4	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-25-5.0-5.5	5.5	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-25-12.5-13.0	13	8/11/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-26	NM-B-26-13.5-14.0	14	8/9/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-27	NM-B-27-4.5-5.0	5	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-27-7.5-8.0	8	8/11/2011	NA	NA	NA	NA	NA	NA	NA
	NM-B-27-14.0-14.5	14.5	8/11/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-28	NM-B-28-13.0-13.5	13.5	8/9/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-29	NM-B-29-12.5-13.0	13	8/9/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-30	NM-B-30-14.0-14.5	14.5	8/9/2011	NA	NA	NA	NA	NA	NA	NA
NM-B-32A	NM-B-32A-5.0-5.5	5.5	9/8/2011	NA	NA	NA	NA	NA	NA	NA
AMEC October 2011 Remediation Confirmation Sampling[6]										
SUMP-EXS-1	SUMP-EXS-1-9	9	10/19/2011	<0.21	<0.99	<50	NA	NA	NA	NA
SUMP-EXS-2	SUMP-EXS-2-8	8	10/19/2011	<0.25	<1.0	<50	NA	NA	NA	NA
SUMP-EXS-3	SUMP-EXS-3-8	8	10/20/2011	<0.21	<0.99	<49	NA	NA	NA	NA
SUMP-EXS-4	SUMP-EXS-4-8	8	10/20/2011	1.2	1.2	<49	NA	NA	NA	NA
SUMP-EXS-8-8	SUMP-EXS-8-8	8	10/26/2011	<2	<5	<25	NA	<5	NA	NA
PIT-EXS-5	FEPIT-EXS-5-6	6	10/24/2011	2.2	**110 J**	210 J	NA	NA	NA	NA
PIT-EXS-6	FEPIT-EXS-6-6	6.0	10/24/2011	4.6	**1,600 J**	**2,300 J**	NA	NA	NA	NA
PIT-EXS-7	FEPIT-EXS-7-6	6.0	10/25/2011	<0.22	1.1	<49	NA	NA	NA	NA
PIT-EXS-9	FEPIT-EXS-9-6	6.0	10/26/2011	0.29	**170 J**	340 J	NA	NA	NA	NA
PIT-EXS-10	FEPIT-EXS-10-12	12	10/26/2011	<0.21	**89 J**	170 J	NA	NA	NA	NA
AMEC August-September 2012 Investigation[7]										
SB-33	SB-33-5.3	5.3	8/27/2012	<0.19	NA	NA	NA	NA	NA	NA
	SB-33-10.3	10.3	8/27/2012	<0.20	NA	NA	NA	NA	NA	NA
SB-34	SB-34-5.0	5.0	8/27/2012	<0.21	NA	NA	NA	NA	NA	NA
	SB-34-10.0	10.0	8/27/2012	<0.18	NA	NA	NA	NA	NA	NA
SB-35	SB-35-5.0	5.0	8/27/2012	<0.19	NA	NA	NA	NA	NA	NA
	SB-35-10.0	10.0	8/27/2012	<0.20	NA	NA	NA	NA	NA	NA
SB-38	SB-38-5.0	5.0	8/28/2012	<0.22	NA	NA	NA	NA	NA	NA
	SB-38-10.0	10.0	8/28/2012	<0.20	NA	NA	NA	NA	NA	NA
SB-39	SB-39-5.0	5.0	8/28/2012	<0.21	NA	NA	NA	NA	NA	NA
	SB-39-10.0	10.0	8/28/2012	<0.21	NA	NA	NA	NA	NA	NA
SB-40	SB-40-5.0	5.0	8/28/2012	<0.25	NA	NA	NA	NA	NA	NA
	SB-40-10.0	10.0	8/28/2012	<0.24	NA	NA	NA	NA	NA	NA
SB-41	SB-41-5.0	5.0	8/28/2012	<0.21	NA	NA	NA	NA	NA	NA
	SB-41-10.0	10.0	8/28/2012	<0.21	NA	NA	NA	NA	NA	NA
MW-02	MW-02-11.0	11.0	8/30/2012	3.2	NA	NA	NA	NA	NA	NA
SB-46	SB-46-13.8	13.8	9/4/2012	1.6	NA	NA	NA	NA	NA	NA
Environmental Screening Level (Residential Land Use)[8]				**83**	**83**	**370**	**370**	**83**	**13**	**--**

TABLE 7

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Notes
1. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.
2. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.California, August 16.
3. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
4. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27.
5. Ninyo & Moore, 2011, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.
6. AMEC, 2011, Remediation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, December 21.
7. Samples were collected by AMEC in August and September 2012 analyzed by TestAmerica Laboratories, Inc., for TPHg using U.S. EPA Method 8260B.
8. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table A-1. Shallow Soil Screening Level (≤3 m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), May. The selected screening value is the lowest of those among urban ecotoxicity, human health (direct exposure), and potential leaching to groundwater.

Results shown in **bold** exceed their respective Environmental Screening Levels.
Results shown in gray indicate that the soil in the vicinity of the sample location was removed during excavation activities at the former sump or front end alignment pit.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
bgs = below ground surface
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
mg/kg = milligrams per kilogram
NA = not analyzed
ND = not detected
PAHs = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
TPHd = total petroleum hydrocarbons quantified as diesel
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHho = total petroleum hydrocarbons quantified as hydraulic oil
TPHmo = total petroleum hydrocarbons quantified as motor oil
TPHss = total petroleum hydrocarbons quantified as Stoddard solvent
U.S. EPA = U.S. Environmental Protection Agency
UJ = the analyte was not detected at a level greater than or equal to the quantitation limit shown; the quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 8

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	TPHg	TPHd (unfiltered)	TPHd (Filtered)[1]	TPHmo (unfiltered)	TPHmo (filtered)[1]	TPHho (unfiltered)	TPHho (Filtered)	TPH-Stoddard Solvent	TPH-Kerosene	TPH-Bunker Oil	PAHs: Naphthalene (8270C)	PAHs: All other PAHs
Basics February 2009 Investigation[2]															
B1	B1-W	Primary	2/25/2009	65	**2,400**	NA	**2,100**	NA	NA	NA	57	**1,500**	**2,700**	NA	NA
B2	B2-W	Primary	2/25/2009	<50	**6,400**	NA	**49,000**	NA	NA	NA	<50	**1,200**	**58,000**	NA	NA
B3	B3-W	Primary	2/24/2009	<50	**930**	NA	**4,500**	NA	NA	NA	<50	**230**	**6,100**	NA	NA
B4	B4-W	Primary	2/25/2009	<50	**600**	NA	**3,200**	NA	NA	NA	<50	**110**	**4,100**	NA	NA
B5	B5-W	Primary	2/24/2009	<50	65	NA	<250	NA	NA	NA	<50	<50	**170**	NA	NA
B7	B7-W	Primary	2/24/2009	<50	62	NA	**410**	NA	NA	NA	<50	<50	**470**	NA	NA
B8	B8-W	Primary	2/24/2009	**550**	**230**	NA	**270**	NA	NA	NA	**170**	**180**	**530**	NA	NA
B9	B9-W	Primary	2/25/2009	<50	**3,400**	NA	**22,000**	NA	NA	NA	<50	<500	**25,000**	NA	NA
B10	B10-W	Primary	2/24/2009	<50	**2,400**	NA	**23,000**	NA	NA	NA	<50	<1,000	**25,000**	NA	NA
AMEC September 2010 Investigation[3]															
SB-01	SB-01	Primary	9/27/2010	49 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-02	SB-02	Primary	9/27/2010	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-03	SB-03	Primary	9/28/2010	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-04	SB-04	Primary	9/27/2010	<50	<51	<52	<300	<310	NA	NA	NA	NA	NA	<1.0	ND
	SB-40	Duplicate	9/27/2010	<50	<52	<53	<310	<320	NA	NA	NA	NA	NA	<1.0	ND
SB-05	SB-05	Primary	9/28/2010	NA	<51	<52	<300	<310	NA	NA	NA	NA	NA	<0.1	ND
SB-06	SB-06	Primary	9/28/2010	NA	<51	<53	<310	<320	NA	NA	NA	NA	NA	<0.1	ND
SB-07	SB-07	Primary	9/29/2010	NA	10 J	<52	<310	<310	NA	NA	NA	NA	NA	<1.0	ND
SB-08	SB-08	Primary	9/29/2010	<50	<51	<52	<310	<310	NA	NA	NA	NA	NA	<1.0	ND
SB-10	SB-10	Primary	9/28/2010	NA	<51	<53	<300	<320	NA	NA	NA	NA	NA	<1.0	ND
SB-11	SB-11	Primary	9/27/2010	NA	<51	<52	<300	<310	NA	NA	NA	NA	NA	<1.0	ND
SB-12	SB-12	Primary	9/28/2010	NA	11 J	<52	<310	<310	NA	NA	NA	NA	NA	<0.1	ND
Ninyo & Moore December 2010 Investigation[4]															
NM-B-1	NM-B-1-GW	Primary	12/16/2010	NA	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-2	NM-B-2-GW	Primary	12/16/2010	NA	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-3	NM-B-3-GW	Primary	12/16/2010	NA	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-4	NM-B-4-GW	Primary	12/16/2010	<50	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-5	NM-B-5-GW	Primary	12/16/2010	<50	<50	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-6	NM-B-6-GW	Primary	12/16/2010	**1,100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMEC May-July 2011 Investigation[5]															
SB-13	SB-13-GW-2	Primary	5/16/2011	<50	<120	NA	<250	NA	NA	NA	NA	NA	NA	NA	NA
	SB-13-GW-3	Primary	5/16/2011	<50	<50	<50	<99	<99	NA	NA	NA	NA	NA	<0.1	NA
SB-15	SB-15-GW	Primary	6/7/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	NA
SB-16	SB-16-GW	Primary	6/7/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-17	SB-17-GW	Primary	6/7/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-18	SB-18	Primary	6/8/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NA
SB-19	SB-19	Primary	6/9/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	NA
	SB-190	Primary	6/9/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	NA

TABLE 8

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	TPHg	TPHd (unfiltered)	TPHd (Filtered)[1]	TPHmo (unfiltered)	TPHmo (filtered)[1]	TPHho (unfiltered)	TPHho (Filtered)	TPH-Stoddard Solvent	TPH-Kerosene	TPH-Bunker Oil	PAHs: Naphthalene (8270C)	PAHs: All other PAHs
SB-20	SB-20	Primary	6/9/2011	NA	NA	NA	NA	NA	**1,500 J**	<530	NA	NA	NA	<0.11	NA
SB-21	SB-21-GW	Primary	6/8/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-23	SB-23	Primary	6/8/2011	NA	NA	NA	NA	NA	<500	**37 J**	NA	NA	NA	NA	NA
SB-24	SB-24	Primary	6/8/2011	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	ND
SB-25	SB-25	Primary	6/9/2011	NA	NA	NA	NA	NA	<520	<520	NA	NA	NA	<0.11	NA
SB-26	SB-26	Primary	6/9/2011	NA	NA	NA	NA	NA	<510	<540	NA	NA	NA	NA	NA
SB-27	SB-27	Primary	6/10/2011	NA	NA	<51	NA	<100	<520	<510	NA	NA	NA	NA	NA
SB-28	SB-28	Primary	6/10/2011	NA	NA	NA	NA	NA	**55 J**	<520	NA	NA	NA	1.7	NA
SB-31	SB-31	Primary	7/26/2011	NA	<52	<51	**60 J**	**<100**	<520	<510	NA	NA	NA	NA	NA
Ninyo & Moore August-September 2011 Investigation[6]															
NM-B-7	NM-B-7-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-8	NM-B-8-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-9	NM-B-9-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-10	NM-B-10-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-11	NM-B-11-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-12	NM-B-12-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-13	NM-B-13-W	Primary	8/10/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-14	NM-B-14-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-15	NM-B-15-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-16	NM-B-16-W	Primary	8/12/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-17	NM-B-17-W	Primary	8/11/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-18	NM-B-18-W	Primary	8/10/2011	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA
NM-B-35	NM-B-35-W	Primary	8/10/2011	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NM-B-36	NM-B-36-W	Primary	8/10/2011	<50	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AMEC October 2011 Remediation Confirmation Sampling[7]															
SUMP-EXB-1	SUMP-EXB-WATER-1-16	Primary	10/26/2011	<25,000	NA	**2,200 J[8]**	NA	<120	NA	NA	NA	NA	NA	NA	NA
		Split	10/26/2011	**3,900 J[8]**	NA	**5,200 J[8]**	NA	<50	NA	NA	NA	NA	NA	NA	NA
SUMP-EXB-2	SUMP-EXB-WATER-2-16	Primary	10/28/2011	<100,000	NA	**6,200 J[8]**	NA	<110	NA	NA	NA	NA	NA	NA	NA
		Split	10/28/2011	**4,900 J[8]**	NA	**5,600 J[8]**	NA	64 J	NA	NA	NA	NA	NA	NA	NA
AMEC August-September 2012 Investigation[9]															
SB-33	SB-33	Primary	8/28/2012	140 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-34	SB-34	Primary	8/27/2012	200 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-35	SB-35	Primary	8/28/2012	170 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-38	SB-38	Primary	8/28/2012	110 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-39	SB-39	Primary	8/28/2012	110 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	SB-390	Duplicate	8/28/2012	150 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-40	SB-40	Primary	8/29/2012	130 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-41	SB-41	Primary	8/29/2012	62 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-42	SB-42	Primary	9/4/2012	120 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-43	SB-43	Primary	9/4/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-44	SB-44	Primary	9/5/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 8

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Sample Type	Date	TPHg	TPHd (unfiltered)	TPHd (Filtered)[1]	TPHmo (unfiltered)	TPHmo (filtered)[1]	TPHho (unfiltered)	TPHho (Filtered)	TPH-Stoddard Solvent	TPH-Kerosene	TPH-Bunker Oil	PAHs: Naphthalene (8270C)	PAHs: All other PAHs
SB-45	SB-45	Primary	9/5/2012	61 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SB-46	SB-46	Primary	9/5/2012	67 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MP-01	MP-1-1	Primary	9/10/2012	110 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-1-2	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-1-3	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MP-02	MP-2-1	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-2-10	Duplicate	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-2-2	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-2-3	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MP-03	MP-3-1	Primary	9/10/2012	140 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-3-3	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MP-04	MP-4-1	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-4-2	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MP-4-3	Primary	9/10/2012	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-01	MW-01-(17-22)-GW[10]	Primary	8/30/2012	150 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-1	Primary	9/10/2012	120 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-10	Duplicate	9/10/2012	140 R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-02	MW-02-(15-20)-GW[10]	Primary	8/30/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-2	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-03	MW-03-(15-20)-GW[10]	Primary	8/31/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-3	Primary	9/10/2012	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Screening Level (groundwater is a potential or current drinking water resource)[11]				**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**17**	**--**

Notes:

1. Extra sample volume for samples for TPHd and TPHmo analyses was filtered at the laboratory prior to analysis using a 0.7-micron glass fiber filter.
2. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16. It should be noted that the elevated concentrations of TPH detected in groundwater during this investigation are not believed to be representative, as subsequent investigations have not replicated any of the TPHd and TPHmo results generated from the Basics investigation. It is our interpretation that the anomalous data is not the result of a laboratory issue, but likely resulted from sample collection procedures that may have compromised the representativeness of the samples.
3. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.
4. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
5. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27. Groundwater,
6. Ninyo & Moore, 2011, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.
7. AMEC, 2011, Remediation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, December 21.
8. The laboratory (Friedman & Bruya, Inc., of Seattle, Washington) indicated that the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
9. Samples were collected by AMEC in August and September 2012, and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, for TPHg using U.S. EPA Method 8260B.
10. Results are shown for grab groundwater samples collected from borings MW-01 through MW-03 before the pre-pack monitoring wells were installed.
11. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water source), May. The selected screening value is the lowest of those among drinking water goals, aquatic habitat goals, and taste and odor considerations.

Results shown in **bold** exceed their respective Environmental Screening Levels.

TABLE 8

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Abbreviations
-- = not applicable
< = not detected at or above the laboratory reporting limit shown
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
PAHs = polynuclear aromatic hydrocarbons
TPHd = total petroleum hydrocarbons quantified as diesel
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHho = total petroleum hydrocarbons quantified as hydraulic oil
TPHmo = total petroleum hydrocarbons quantified as motor oil
R = the sample results are rejected due to serious deficiencies in the ability to meet quality control criteria; the presence or absence of the analyte cannot be verified
µg/L = micrograms per liter
U.S. EPA = U.S. Environmental Protection Agency

TABLE 9

SUMMARY OF POLYCHLORINATED BIPHENYLS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per kilogram (µg/kg)

Location	Sample ID	Depth (feet bgs)	Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Basics February 2009 Investigation[1]													
B5	B5-4.0	4.0	2/24/2009	<1,200	<1,200	<1,200	<1,200	<1,200	<1,200	<1,200	NA	NA	<1,200
B7	B7-4.0	4.0	2/24/2009	<25	<25	<25	<25	<25	<25	<25	NA	NA	<25
B8	B8-4.0	4.0	2/24/2009	<25	<25	<25	<25	<25	<25	<25	NA	NA	<25
B10	B10-4.0	4.0	2/24/2009	<25	<25	<25	<25	<25	<25	<25	NA	NA	<25
Ninyo & Moore December 2010 Investigation[2]													
NM-B-5	NM-B-5-4.5-5.0	5.0	12/16/2010	<16	<33	<16	**25**	<16	<16	<16	<16	<16	NA
AMEC May-July 2011 Investigation[3]													
SB-20	SB-20-6.0	6.0	6/9/2011	<49	<49	<49	<49	<49	<49	<49	NA	NA	NA
	SB-20-11.0	11.0	6/9/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
	SB-20-13.0	13.0	6/9/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
SB-23	SB-23-6.0	6.0	6/8/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
	SB-23-12.0	12.0	6/8/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
SB-25	SB-25-8.0	8.0	6/9/2011	<240	<240	<240	<240	<240	<240	<240	NA	NA	NA
	SB-25-12.0	12.0	6/9/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
SB-26	SB-26-6.0	6.0	6/9/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
	SB-26-9.0	9.0	6/9/2011	<49	<49	<49	<49	<49	<49	<49	NA	NA	NA
SB-27	SB-27-6.0	6.0	6/10/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
	SB-27-11.0	11.0	6/10/2011	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
SB-28	SB-28-6.0	6.0	6/10/2011	<49	<49	<49	<49	<49	<49	<49	NA	NA	NA
	SB-28-10.8	10.8	6/10/2011	<49	<49	<49	<49	<49	<49	<49	NA	NA	NA
Environmental Screening Level (Residential Land Use)[4]				**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**220**

Notes
1. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.
2. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
3. AMEC, 2011, Soil, Groundwater, and Soil Vapor Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, September 27.
4. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table A-1. Shallow Soil Screening Level (≤3 m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), May. The selected screening value is the lowest of those among urban ecotoxicity, human health (direct exposure), and potential leaching to groundwater.

Detected concentrations are shown in **bold.**
Results shown in gray indicate that the soil in the vicinity of the sample location was removed during excavation activities at the forrmer sump or front end alignment pit.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
µg/kg = micrograms per kilogram
bgs= below ground surface
m = meter
NA = not analyzed
NL = not listed
PCBs = polychlorinated biphenyls

TABLE 10

SUMMARY OF METALS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in milligrams per kilogram (mg/kg)

Location	Sample ID	Depth (feet bgs)	Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	All Other Metals
Basics February 2009 Investigation[1]															
B1	B1-4.0	4.0	2/25/2009	**8.9**	NA	0.56	0.42	46	NA	25	8	41	NA	56	ND
B6	B6-10.0	10.0	2/25/2009	**8.2**	NA	0.54	0.31	51	NA	28	7.3	41	NA	61	ND
Ninyo & Moore December 2010 Investigation[2]															
NM-B-2	NM-B-2-1.5-2.0	2.0	12/16/2010	**6.0**	97	<1.0	<1.0	29	9.4	27	12	33	35	56	ND
NM-B-3	NM-B-3-4.5-5.0	5.0	12/16/2010	**6.2**	100	<1.0	<1.0	28	8.9	25	6.2	33	33	47	ND
Environmental Screening Level (Residential Land Use)[3]				**0.39[4]**	**750**	**4**	**1.7**	**750**	**40**	**230**	**200**	**150**	**16**	**600**	--

Notes
1. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.
2. Ninyo & Moore, 2011, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.
3. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table A-1. Shallow Soil Screening Levels (≤3 m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), May. The selected screening level is the lowest of available criteria for urban area ecotoxicity, human health (direct exposure), and potential leaching to groundwater.
4. The lowest available screening level for arsenic from the California Regional Water Quality Control Board, San Francisco Bay Region (2008), 0.39 mg/kg, is based on human health (direct exposure) concerns but is less than typical, naturally occuring background concentrations, such as the upper-limit background concentration of 11 mg/kg for urbanized flatland soils within the San Francisco Bay Area established by Duverge (2011) in coordination with California Regional Water Quality Control Board, San Francisco Bay Region staff.

Results shown in **bold** exceed their respective Environmental Screening Levels.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
bgs = below ground surface
m = meter
mg/kg = milligrams per kilogram
NA = not analyzed
ND = not detected

TABLE 11

SUMMARY OF METALS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Location	Date	Antimony	Arsenic	Total Chromium[1]	Dissolved Chromium[2]	Hexavalent Chromium	Copper	Mercury	Nickel	Selenium	All Other Metals
Basics February 2009 Investigation[3]													
B1	B1-W	B1	2/25/2009	0.64	3.9	**59**	NA	NA	1.7	0.017	0.86	0.88	ND
B10	B10-W	B10	2/24/2009	<0.5	1.8	<0.5	NA	NA	<0.5	<0.012	3.6	<0.5	ND
AMEC Geomatrix Fall 2010 Investigation[4]													
SB-05	SB-05	SB-05	9/28/2010	NA	NA	20	2.5 J-	1.1	NA	NA	NA	NA	NA
SB-06	SB-06	SB-06	9/28/2010	NA	NA	**250**	2.3 J-	0.94	NA	NA	NA	NA	NA
SB-07	SB-07	SB-07	9/29/2010	NA	NA	44	2.8 J-	1.7	NA	NA	NA	NA	NA
SB-08	SB-08	SB-08	9/29/2010	NA	NA	23	3.3 J-	1.1	NA	NA	NA	NA	NA
Environmental Screening Level (groundwater is a potential or current drinking water resource)[5]				**6**	**36**	**50**	**50**	**11**	**3.1**	**0.025**	**8.2**	**5**	**--**

Notes
1. The work plan specified that the samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. Therefore, the resultant total chromium values likely overestimate the concentration of chromium that is dissolved in groundwater.
2. The work plan specified that the samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. After this error was noted, AMEC requested that the analytical laboratory filter some remaining sample volume (from a different, unpreserved container) and perform a dissolved total chromium analysis on each sample. However, since the unfiltered samples were stored in unpreserved glass containers, rather than being filtered and then stored in preserved plastic containers as required by the analytical method, the dissolved total chromium results were qualified as estimated and may be biased low.
3. Basics Environmental, Inc., 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.
4. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.
5. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water source), May. The selected screening value is the lowest of those among drinking water goals, aquatic habitat goals, and taste and odor considerations.

Results shown in **bold** exceed their respective Environmental Screening Levels.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
-- = not applicable
J- = the result is an estimated quantity and may be biased low
NA = not analyzed
ND = not detected
µg/L = micrograms per liter

TABLE 12

SUMMARY OF GLYCOLS IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Concentrations reported in micrograms per liter (µg/L)

Location	Sample ID	Date	Glycols[2]
Basics February 2009 Investigation[1]			
B4	B4-W	2/25/2009	<0.2
B10	B10-W	2/24/2009	<0.2
Environmental Screening Level (groundwater is a potential or current drinking water resource)[3]			**NL**

Notes
1. Samples collected by Basics Environmental, Inc., and analyzed by McCampbell Analytical, Inc., of Pittsburgh California. Samples were analyzed for glycols using Method MAI Alcohols.
2. Glycols analyzed include ethylene glycol monobutyl ether (EGBE), ethylene glycol monoethyl ether (EGEE), and ethylene glycol monomethyl ether (EGME).
3. California Regional Water Quality Control Board, San Francisco Region, 2008, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water source), May.

Abbreviations
< = not detected at or above the laboratory reporting limit shown
NL = not listed
µg/L = micrograms per liter

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Geology and Hydrogeology	Regional	The site is in the northwest portion of the Livermore Valley, which consists of a structural trough within the Diablo Range and contains the Livermore Valley Groundwater Basin (referred to as "the Basin").[1] Several faults traverse the Basin, which act as barriers to groundwater flow, as evidenced by large differences in water levels between the upgradient and downgradient sides of these faults.[1] The Basin is divided into 12 groundwater basins, which are defined by faults and non-water-bearing geologic units.[2] The hydrogeology of the Basin consists of a thick sequence of fresh-water-bearing continental deposits from alluvial fans, outwash plains, and lacustrine environments to up to approximately 5,000 feet bgs.[1] Three defined fresh-water bearing geologic units exist within the Basin: Holocene Valley Fill (up to approximately 400 feet bgs in the central portion of the Basin), the Plio-Pleistocene Livermore Formation (generally between approximately 400 and 4,000 feet bgs in the central portion of the Basin), and the Pliocene Tassajara Formation (generally between approximately 250 and 5,000 or more feet bgs).[2] The Valley Fill units in the western portion of the Basin are capped by up to 40 feet of clay.[1] Within the immediate vicinity of the site, the depth to groundwater has been measured in shallow monitoring wells from approximately 7.4 to 18 feet bgs. Groundwater movement, as evaluated at the former Montgomery Ward site (7575 Dublin Boulevard), which is located north of the site, is reported to be to the east. An investigation at Quest Laboratory (6511 Golden Gate Drive), which is immediately south of the site, identified groundwater movement to the north, toward the site. Later measurements indicated groundwater flow to the southeast.	None	NA
	Site	***Geology:*** Borings advanced at the site indicate that subsurface materials consist primarily of finer-grained deposits (clay, sandy clay, silt, and sandy silt) with interbedded sand lenses to approximately 20 feet below ground surface (bgs). Lean clays (with varying amounts of sand, but with no documented coarse lenses) are present from shallower than 20 feet bgs to depths ranging from to 35.5 to 43 feet bgs. An interval of lean clays interbedded with sand and/or gravel lenses is present from approximately 35.5 to 52 feet bgs, followed by another interval of lean clays to approximately 54-58 feet bgs, where an apparently continuous zone of clayey sands is encountered to the total depth logged (60.5 feet bgs). A cone penetrometer technology test indicated that even coarser materials (interbedded with finer-grained materials) are present from approximately 60 to 75 feet bgs. The lithology documented at the site is similar to that reported at other nearby sites, specifically the former Montgomery Ward site (7575 Dublin Boulevard), the former Quest Laboratory site (6511 Golden Gate Drive), the Shell Service Station site (11989 Dublin Boulevard), and the Chevron site (7007 San Ramon Road).	None	NA
		Hydrogeology: Three water-bearing zones have been encountered at the site, as follows: • Groundwater is first encountered between approximately 9 and 15 feet bgs, within discontinuous sand and/or gravel lenses that are a few inches to several feet thick, and also within the sandy clays that are present at similar depths. Due to the high clay content of the soil, saturated soil has not been encountered in some borings (however, it was possible to collect grab groundwater samples from these borings by leaving them open overnight). There is likely a complex alluvial system in which groundwater (and chemical) migration primarily occurs in channel-like deposits of varying widths and thicknesses, versus within continuous horizontal continuous layers. The direction of the lateral hydraulic gradient (only measured in the northern portion of the north parcel) was to the east in September 2012 (Figure 4). • Groundwater is generally next encountered between approximately 35.5 and 52 feet bgs within thin (i.e. several inches to several feet thick), discontinuous sand and/or gravel lenses. The water-bearing zone does not appear to be significant, but does appear to be hydrogeologically separated from the water-bearing zones above and below. The direction of the lateral hydraulic gradient was not calculated for this water-bearing zone. • A third water-bearing zone is present from approximately 58 feet bgs to 75 feet bgs, the total depth drilled. This appears to be a significant water-bearing zone, based on the CPT log at the site and information from nearby sites. The direction of the lateral hydraulic gradient (only measured in the northern portion of the north parcel) appears to be to the northeast; however, the wells are located close to an east-west trending line, making it difficult to gauge the precise direction of groundwater movement (Figure 5). Downward hydraulic gradients were calculated between all three water-bearing zones (and at the former Montgomery Ward site, to the north). The calculated magnitude of the vertical hydraulic gradient was significantly greater than that of the horizontal gradients; however, disparate head measurements can indicate the lack of vertical flow. If it were possible for water to flow between one water-bearing zone and another, the hydrostatic pressure would begin to equilibrate and head measurements would be more similar. This conclusion is also supported by the lack of detections of constituents of concern in deeper groundwater and the thickness of the clay layers between the water-bearing zones.	No temporal data are available for groundwater flow directions.	The groundwater monitoring wells installed during this investigation may be monitored over time to provide temporal data for the groundwater flow gradients (vertical and horizontal magnitude and direction).
Surface Water Bodies	--	The closest surface water bodies are culverted creeks. Martin Canyon Creek flows from a gully west of the site, enters a culvert north of the site, and then bends to the south, passing approximately 1,000 feet east of the site before flowing into the Alamo Canal. Dublin Creek flows from a gully west of the site, enters a culvert approximately 750 feet south of the site, and then joins Martin Canyon Creek approximately 750 feet southeast of the site.	None	NA
Nearby Wells	--	A well survey was requested from the California Department of Water Resources in August 2012 and Zone 7 Water Agency in October 2012 in order to identify water-producing, monitoring, cathodic protection, and dewatering wells in the vicinity of the site. No water-producing wells were identified within 1/4 mile of the site. The nearest water-producing wells are located approximately 1/3 mile to the east and 1/2 mile northwest and southeast of the site.	None	NA

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Constituents of Concern	--	Constituents of concern have been identified by comparing analytical results to ESLs for residential land use and for groundwater that is considered a current or potential drinking water source.[3] PCE and TCE have been identified as the primary constituents of concern at the site; these constituents have been detected in soil, groundwater and soil vapor in the northern portion of the site. Biodegradation byproducts (e.g., cis-1,2-DCE and trans-1,2-DCE) have also been detected in groundwater, but at lower concentrations relative to PCE and TCE and below their respective ESLs. Vinyl chloride has been detected in soil vapor at concentrations above its ESL. In the northern portion of the site, benzene and ethylbenzene have been detected in soil vapor at concentrations above their respective ESLs. Chlorobenzene and related constituents, and to a lesser extent, benzene, are present in soil, groundwater, and soil vapor above ESLs at a former sump and/or former front-end alignment pit in Building B. Groundwater and soil vapor concentrations in this area are expected to decline following excavation of impacted soil in October 2011. The Crown Chevrolet case was initially opened as a leaking underground fuel tank case, based on an investigation performed by Basics Environmental in 2009 that identified TPHd and TPHmo in groundwater at concentrations exceeding their respective ESLs in eight of nine grab groundwater samples collected, suggesting widespread TPHd and TPHmo impacts to groundwater at the site. However, as discussed in AMEC's April 2011 report, sampling conducted by AMEC in 2010 to delineate the extent of impacts did not detect any TPHd and TPHmo in groundwater, other than two TPHd detections below the reporting limit. Additional sampling conducted at the site has confirmed the absence of TPHd and TPHmo impacts (TPHd detections from groundwater samples within the sump excavation are not likely representative of diesel, according to the analytical laboratory). Groundwater samples have also been analyzed for TPHg throughout the site, and TPHg has only been detected above ESLs in shallow groundwater in the vicinity of the sump; however, these detections are judged to be representative of VOCs quantified by the TPHg analysis. TPHg was also detected in one groundwater sample collected from the third water-bearing zone (i.e., approximately 60 feet bgs) at a concentration less than its ESL, which may be related to the historical Montgomery Ward release (TPHg also detected at very low concentrations in borings SB-01 and SB-02 in the northern portion of the site, likely also related to the historical Montgomery Ward release). While groundwater elevation data indicate that groundwater flow in the deepest water-bearing zone is to the northeast, as discussed above, the limited data make it difficult to evaluate the precise groundwater flow direction.	None	NA
Potential Sources	On-site	The north parcel of the site has been used as a car dealership with an auto body and service center since approximately 1968, when the site was developed from vacant land. Prior to 1968, site use appears to have been agricultural, based on a review of available historical aerial photographs. The south parcel of the site has reportedly only been used for vehicle storage. Building A has reportedly only been used as a showroom. Operations within Building B included automobile servicing (likely including parts cleaning). A hazardous materials storage area was formerly present within Building B, on top of a former front-end alignment pit, where remediation was conducted. Building C has been used as an auto body shop (including painting). A portion of the southern parking lot within the north parcel was designated on historical maps as "bulk storage." Based on the minor detections of PCE in soil vapor (in an area where groundwater is not impacted) beneath a drain line in Building B and in groundwater beneath the former sump in Building B, it is possible that a limited amount of PCE entered the subsurface at the sump or via drain line from the sump within Building B. However, the data do not indicate that the PCE in groundwater north of Building A is related to its potential historical use within Building B. Additionally, a subsurface utility survey was performed in September 2012, which did not indicate the presence of any sewer line connections between north of Building A that might have acted as a conduit for PCE from Building B to the area of higher concentrations in groundwater. There is no likely source in Building A. Investigation performed within and downgradient of Building C (including the former "bulk storage" area) indicates that there are no significant impacts from activities in this area.	None	NA
		Two USTs (one 1,000-gallon gasoline and one 1,000-gallon waste oil) are present just south of Building B). The USTs appear to have been replaced in the 1980s and upgraded in 1998. Recent data collected in the vicinity of the USTs indicate that there are no significant impacts.	The absence of localized impacts to soil in the vicinity of the USTs has not been confirmed.	No additional investigation is recommended at this time. Additional sampling may be conducted as part of the formal UST closure process, and any impacts addressed at that time.

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Potential Sources	Off-site, PCE	Four currently operating dry cleaners have been identified west (upgradient) of the Crown site, including Crow Canyon Cleaners at 7272 San Ramon Road, which has a known groundwater contamination issue (however, that site is approximately 0.5 mile from the Crown site and groundwater at the site has limited impact with a maximum PCE concentration of 23 µg/L). Two of the other identified dry cleaners, VIP Quality Cleaners at 7214 Regional Street and "Dry Clean 1 Hour" at 7257 Regional Street, are slightly closer to the Crown site (approximately 0.3 mile west); however, there are no documented releases at these two properties. These three properties appear to be served by sewers that flow north, away from the Crown site, but any potential releases from these dry cleaners or sewers serving them could have impacted groundwater moving toward the Crown site. The fourth dry cleaner, 1-800-DryClean of Dublin at 7172 Regional Street, may be served by a sewer line that flows south, toward the Crown site. No currently operating or historical dry cleaners have been identified south of Dublin Boulevard (i.e., west-southwest of the highest PCE concentrations) at this time. The site is located within a commercial/industrial area, and several vehicle-maintenance related shops are located south of the site; these facilities appear to be served by a sewer that flows north along the western edge of the Crown site. Other such facilities are located west of the site. It is possible that PCE was released to the subsurface upgradient of the site via the sewer line. However, if a release were from an automobile-related source, it is likely that other fuel-related VOCs would be present as well (only PCE and TCE are present in groundwater at the upgradient property boundary of the Crown site).	A specific off-site source of PCE is not known at this time.	A third party is planning to collect samples along the west side of Golden Gate Drive within the City right-of-way in the near future. Results of the sampling may help clarify if the source is within Golden Gate Drive or farther west/north (upgradient).
	Off-site, Fuels	***Quest Laboratory:*** The former Quest Laboratory site is located adjacent to the Crown Chevrolet property (south of the south parcel). The site was developed as a biomedical laboratory in 1982, and a 2,000-gallon underground fuel storage tank (of unknown contents) was installed at that time. The tank and associated piping were removed in 1989; limited petroleum hydrocarbon impacts were found in soil. Groundwater samples collected in 2004 indicated that TPHg and TPHd were present in groundwater at concentrations up to 5,100 and 64,000 µg/L, respectively, in a boring advanced at the former tank location, adjacent to the Crown site. Three groundwater monitoring wells were installed in 2009 to depths of 20 to 25 feet bgs in the vicinity of the former tank, and were monitored quarterly for one year. TPHg and TPHd were only detected during the first monitoring event, at maximum concentrations of 140 and 89 µg/L, respectively. One round of groundwater measurements indicated groundwater flow was to the north; subsequent measurements indicated groundwater flow was to the east-southeast. The case was closed, in April 2012, with the caveat that ACEH be notified of any potential changes to land use. The facility is currently owned by Safeway, Inc. Groundwater samples collected on the Crown property near the former Quest fuel tank did not indicate that impacts from the tank extend to the Crown site. ***Montgomery Ward*** : The former Montgomery Ward site is located across Dublin Boulevard from the Crown Chevrolet property (to the north). A gasoline fuel release was noted in 1988 from one of three 10,000-gallon gasoline USTs at the site. Total petroleum hydrocarbons were detected in soil samples nearby at concentrations up to 2,180 mg/kg. The USTs were removed in 1989, and some soil excavation conducted at that time. 1,350 gallons of free product were reportedly also removed. A groundwater extraction and treatment system began operating in 1990. Monitoring wells were installed at the Montgomery Ward property in 1992, as well as in the northern portion of the Crown site and at the property adjacent to Crown to the east in 1993. TPHg was detected in groundwater at the Montgomery Ward site at concentrations up to 100,000 µg/L in 1993. During the final groundwater monitoring event in 1996, TPHg was detected in a well at the northern boundary of the Crown property at 280 µg/L, with a historical maximum detection of 24,000 µg/L. As the case involved a leaking UST, groundwater was not tested for chlorinated solvents; however, in 1994, a selected number of grab groundwater samples collected at a property immediately east of the Crown site were tested for VOCs (including PCE) by U.S. EPA Method 8260, and no VOCs were detected.	None	NA
Potential Presence of DNAPL	--	As the data indicate that the source of PCE is west of the site, it is not likely that there would be separate-phase product (i.e., DNAPL) in soil or groundwater at the site. Additionally, the detected concentrations of VOCs in groundwater at the site are not indicative of the presence of DNAPL.	None	NA
Nature and Extent of Environmental Impacts	Extent in Soil, PCE and TCE	PCE and TCE have been detected in soil samples collected north of Buildings A and B and beneath Building A. All concentrations are less than their respective ESLs for residential shallow soil, applicable to groundwater considered to be a potential source of drinking water (ESLs of 370 and 460 µg/kg for PCE and TCE, respectively). PCE has been detected at concentrations up to 48 µg/kg in unsaturated soil in the vicinity of the highest PCE concentrations in groundwater and soil vapor (i.e., north of Building A). It is likely that these PCE detections represent PCE in the vapor phase and not a source of PCE in soil. PCE and TCE were detected in deeper soil samples (between 12.5 and 14.5 feet bgs) at concentrations up to 36 and 13 µg/kg, respectively (in the same area of the site). These soil samples were generally located within the saturated zone and it is likely that the detected concentrations represent PCE and TCE in groundwater. Soil was screened during advancement of the direct-push probe approximately every 1 to 4 feet using a PID; readings in most borings north of Building A and near the on-site sewer lateral were 0 ppm. No PID readings in this area indicated the presence of VOC impacts to soil.	None	NA
	Extent in Soil, TPHg	Soil from the far northern and northeastern portions of the north parcel was also screened using a PID; readings up to 306 ppm (in boring MW-02) were recorded near the top of the zone of saturation in borings SB-01, SB-02, SB-37, SB-46, MW-02, and MP-02. Soil samples were collected from the depths of the PID readings at SB-01, SB-02, SB-46, and MW-02. TPHg was detected in those samples at concentrations up to 13 mg/kg. Samples were not collected from SB-37 and MP-02, but it is likely that TPHg is also present in soil at comparable depths in those borings. There is no likely on-site source of TPHg in the vicinity of the borings, but TPHg has been detected at low concentrations in groundwater in the northern portion of the site (i.e., SB-01 and SB-02). The former Montgomery Ward fuel release site was located northwest of the borings in which TPHg was detected. Groundwater was historically impacted by TPHg and BTEX at and downgradient of the Montgomery Ward site, extending to the east-southeast through the Crown Chevrolet site (Appendix L). The TPHg detected in soil at the Crown site is likely a remnant of historical Montgomery Ward contamination that remained in soil in the capillary fringe after most of the TPHg impacts had attenuated.	None	NA

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Nature and Extent of Environmental Impacts	Extent in Soil, Chlorobenzenes	Chlorobenzenes and petroleum-related constituents were detected in soil in the vicinity of the former sump and former front-end alignment pit at concentrations greater than their respective ESLs; soil remediation was performed in 2011. Currently inaccessible impacted soil remains in place under existing building foundation walls at concentrations greater than ESLs.	Soil samples have been collected to a total depth of 11.5 feet bgs pre-remediation and 8 feet bgs post-remediation beneath the sump. The remediation consisted of soil excavation to a depth of 16 feet bgs. No soil samples were collected at the base of the excavation because the soil was saturated; there is currently no data confirming the absence of significant impacts to soil beneath the sump.	No additional investigation is recommended at this time. Additional soil removal and/or sampling will be conducted at the time of redevelopment.
	Extent in Soil, TPHho and PCBs	TPHho (at concentrations greater than the residential ESL) was detected in soil sample SB-20-11 near a hydraulic lift east of the former front-end alignment pit in Building B (an elevated concentration of TPHho also was detected in soil sample SB-25-8; this sample location subsequently was excavated). Analysis for PCBs was performed on 13 samples, which were collected in the vicinity of hydraulic lifts within Building B. One PCB, Aroclor 1242, was detected in a soil sample collected at location NM-B-5 just north of the pit in Building B; however, the concentration of Aroclor 1242 at this location was an order of magnitude lower than its ESL. No other PCBs were detected in soil samples (however, the reporting limits for PCBs in 1 sample of the 13 samples analyzed were above the ESL).	None	NA
Nature and Extent of Environmental Impacts	Extent in Shallow Groundwater, PCE and TCE	Grab groundwater and monitoring well data are available for VOCs throughout the northern portion of the site, including beneath Building A. PCE and TCE are present in groundwater in the northern parking lot at concentrations greater than their respective ESLs that consider groundwater to be a current or potential drinking water resource (the ESL is 5 µg/L for both PCE and TCE) (Figure 6). The highest concentrations of PCE in groundwater are at the western (upgradient) property boundary (with concentrations in this area range up to 210 µg/L). Concentrations decline to the north, east, and south. At the eastern (downgradient) property boundary, concentrations of PCE in shallow groundwater are approximately 25% of the concentrations at the upgradient property boundary (concentrations at the eastern property boundary are up to 58 µg/L). TCE is present at higher concentrations relative to PCE in the northeast corner of the site; cis- and trans-1,2-DCE also were detected in some groundwater samples in this area (at concentrations below their respective ESLs). The area where TCE concentrations are higher (and PCE concentrations lower) was historically impacted by the Montgomery Ward release of TPHg. It is likely that the TPHg acted as a source of organic carbon and stimulated the biological reduction of PCE in that area. However, field parameters collected from the monitoring well in this area do not indicate that there is a strong reducing environment at this time, indicating that the biodegradation may have historically occurred. With the exception of two shallow grab groundwater samples (from Basics boring B8 and monitoring well MW-03, both located at the former sump) in which PCE was detected at 9.6 µg/L and 9.3 µg/L, respectively, only low concentrations of PCE (less than 5 µg/L) were detected in shallow groundwater in the vicinity of the former sump and former front-end alignment pit. These detections are isolated to a small area and may represent a minor release of PCE to groundwater from the sump.	No temporal data are available for groundwater concentrations.	The groundwater monitoring wells installed during this investigation may be monitored over time to provide temporal data for the constituents of concern.
	Extent in Shallow Groundwater, Chlorobenzenes	Chlorobenzenes and related constituents are present in shallow groundwater at concentrations greater than ESLs in the vicinity of the former sump within Building B (where soil remediation was conducted in 2011). The presence of these constituents (e.g., benzene and chlorobenzene) in groundwater appears to be limited to an area within approximately 15 feet of the former sump. Chlorobenzene, the primary VOC detected at the sump, was not detected in the only groundwater sample that has been collected from newly installed monitoring well MW-03. These constituents were not detected above ESLs in groundwater samples collected at the former front-end alignment pit in Building B.	No temporal data are available for MW-03.	Monitoring well MW-03 may be monitored over time to provide temporal data.
	Extent in Shallow Groundwater, TPH	TPHho (at a concentration greater than its ESL) was detected in an unfiltered groundwater sample (SB-20) collected near one hydraulic lift east of the former front-end alignment pit in Building B; however, no TPHho was detected in a filtered groundwater sample from the same location. The unfiltered sample result is likely representative of TPHho sorbed onto soil particles, as TPHho was also detected in soil at 11 feet bgs at this location. The reporting limits for TPHho (and TPHd and TPHmo) in groundwater are greater than the respective ESLs for these constituents. However, no TPH was detected at the laboratory's method detection limit for the filtered samples. While concentrations less than the laboratory reporting limit are estimated, the absence of detections indicates that dissolved TPHd, TPHmo, and TPHho are not present.	None	NA
	Extent in Shallow Groundwater, Chromium	Total chromium was detected above the residential ESL at one location (SB-06), but dissolved concentrations in the vicinity were less than the ESL.	None	NA

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Nature and Extent of Environmental Impacts	Extent in Deeper Groundwater	Groundwater samples have been collected from two deeper water-bearing zones at six locations in the northern portion of the north parcel, including just downgradient of the former sump within Building B. The samples were collected from what appear to be discontinuous sand and gravel lenses at approximately 40 feet bgs and/or from a more significant water-bearing unit at approximately 60 feet bgs (actual sample depths/screen intervals varied based on the lithology encountered in each boring). No PCE, TCE, chlorobenzenes, or other VOCs were detected in any of the deeper groundwater samples, with the exception of several acetone detections that are believed to be false positives due to laboratory contamination. TPHg was detected in the third water-bearing zone of monitoring well MP-04 (at the eastern/downgradient property boundary) at a concentration less than its ESL. TPHg was not present in the up- or cross-gradient deeper groundwater samples, nor is TPHg a constituent of concern in shallow groundwater at the site. The TPHg may be related to the historical Montgomery Ward release; while groundwater elevation data indicate that groundwater flow in that water-bearing zone is to the northeast, as discussed above, the limited groundwater elevation data make it difficult to evaluate the precise groundwater flow direction.	None; the recently collected data confirm the absence of constituents of concern in the deeper groundwater beneath the site. The middle (approximately 40 feet bgs) port of multi-port monitoring well MP-02 did not produce sufficient water to collect a sample during the first monitoring event. However, sufficient data is available from nearby deep wells that this is not a significant data gap.	NA
	Extent in Soil Vapor, PCE, TCE, and Vinyl Chloride in North Parcel	PCE, TCE, vinyl chloride, and some related breakdown products, are present in soil vapor in the northern portion of the north parcel (Figure 10). PCE, TCE, and vinyl chloride concentrations are greater than residential ESLs for evaluation of potential vapor intrusion concerns (410, 1,200, and 31 µg/m^3, respectively [Table E-2]) in some areas. The highest concentrations of PCE and TCE detected in soil vapor (up to a maximum concentration of 35,000 µg/m^3 at location SV-22) were in the vicinity of higher concentrations of PCE in groundwater (north of Building A). Vinyl chloride was also detected in soil vapor at concentrations greater than the ESL, but was limited to the north-central area of the north parcel (borings SG-03, SG-04, and SV-23). The spatial distributions of PCE and TCE in shallow soil vapor (i.e., 1 to 4 feet bgs) are similar, but they vary somewhat from the spatial distribution of these constituents in groundwater. This may indicate that shallow soil vapor transport is attributable, in part, to transport via on-site subsurface utilities, and not solely from volatilization from groundwater at the site. Additionally, utility lines within the nearby streets may provide a conduit for some of the vapors to enter the subsurface at the site. Concentrations of PCE and TCE in soil vapor samples collected from nested vapor monitoring points along the eastern property boundary are higher in the deeper (8 feet bgs) samples than the shallower (4 feet bgs) samples, indicating that volatilization from groundwater is a contributor to the VOC concentrations in soil vapor at the site. PCE was also detected along the floor drain lateral to the sewer line within Building B and in a sample collected from within the former front-end alignment pit in Building B (this pit has since been removed), indicating that PCE may have been used within Building B and may have contributed, in part, to the PCE detected in soil vapor beneath Building B. However, note that PCE, where detected, is present at only low concentrations in groundwater in this area, suggesting that vapor transport along site utilities likely contributes to PCE in soil vapor beneath Building B.	None	NA
	Extent in Soil Vapor, PCE in South Parcel	PCE is present in soil vapor at concentrations ranging from 48 to 94 µg/m^3 (approximately an order of magnitude less than the ESL) in the northwestern corner of the south parcel. No auto servicing activities are known to have been conducted in this area, which was historically used as a parking lot. PCE was not detected in the groundwater sample collected in this area. PCE is not present in groundwater or soil vapor samples collected in the eastern portion of the south parcel. The low levels of PCE in soil vapor are likely related to transport via subsurface utilities within Golden Gate Drive and/or Saint Patrick Way.	None	NA
	Extent in Soil Vapor, Benzene	Benzene and ethylbenzene have been detected in shallow soil vapor (i.e., collected from 1.5 to 5 feet bgs) north of Buildings A and B at concentrations exceeding their respective ESLs (84 µg/m^3 for benzene and 980 µg/m^3 for ethylbenzene). Benzene concentrations generally ranged from 90 to 160 µg/m^3, with one concentration of 1,300 µg/m^3 detected in the shallowest soil vapor sample (from a depth of 1.5 to 2 feet bgs at location SV-16) in the northeastern portion of the north parcel. Ethylbenzene concentrations were greater than the ESL at two locations, up to a maximum concentration of 1,300 µg/m^3 at location SV-16. These constituents were not detected in corresponding soil and groundwater samples, and there was not a visible pattern to the soil vapor sample concentrations in plan view. Concentrations of benzene and ethylbenzene in soil vapor samples collected from nested vapor monitoring points along the eastern property boundary are less in the deeper (8 feet bgs) samples than the shallower (4 feet bgs) samples. Based on the lack of a known source, lack of a spatial pattern to the detections, and the higher concentrations in the shallower samples, the presence of these constituents may be related to the long-term use of the area as a parking lot.	None	NA
	Extent in Soil Vapor, Former Sump and Pit	Soil vapor sampling was conducted in the vicinity of the former sump and former front-end alignment pit in Building B prior to remediation, and some concentrations of PCE, benzene, and 1,4-dichlorobenzene were greater than their respective ESLs at that time.	Post-remediation soil vapor concentrations are not known.	No additional investigation is recommended at this time. Additional sampling may be conducted at the time of redevelopment.

TABLE 13

SITE CONCEPTUAL MODEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

CSM Element	CSM Sub-Element	Description	Potential Data Gap(s)	How to Address
Migration Pathways	Potential Conduits	Figure 2 shows the known locations of on-site utilities, including sanitary sewer laterals, water, gas, and electrical lines, based on a geophysical survey conducted in September 2012. Based on the spatial distribution of PCE in groundwater (Figure 6), it does not appear that PCE was released to the subsurface via the on-site sewer lateral or any other subsurface utilities in the northern parking lot. However, based on the distribution of PCE in soil vapor (Figure 7), it appears that these facilities could act as conduits for vapor migration throughout the site.	None	NA
Potential Receptors/Risk	On-site	Potable water at the site currently is provided via municipal supply and will continue to be in the foreseeable future. As such, direct contact to groundwater is not contemplated. Receptors at the site could include the following: • Current worker via vapor intrusion to indoor air, • Future construction worker via soil, groundwater, and soil vapor, • Future resident via vapor intrusion to indoor air, and/or • Future maintenance worker via soil and soil vapor.	Based on evaluation of the data relative to ESLs, it is likely that some risk for longer-term site occupants exists. Risk to construction and maintenance workers is not known.	Risks will be assessed, and measures to minimize risk will be evaluated in a feasibility study for the site.
	Off-site	Potential receptors in the vicinity include: • Nearby water-producing wells to the east and northeast • Concrete-lined Dublin Creek and Martin Canyon Creek	Potential risk to receptors in the surrounding area is unknown. The impacts to groundwater and soil vapor are attributed to an off-site source, and potential impacts and risks to the surrounding area are outside the scope of this investigation.	NA

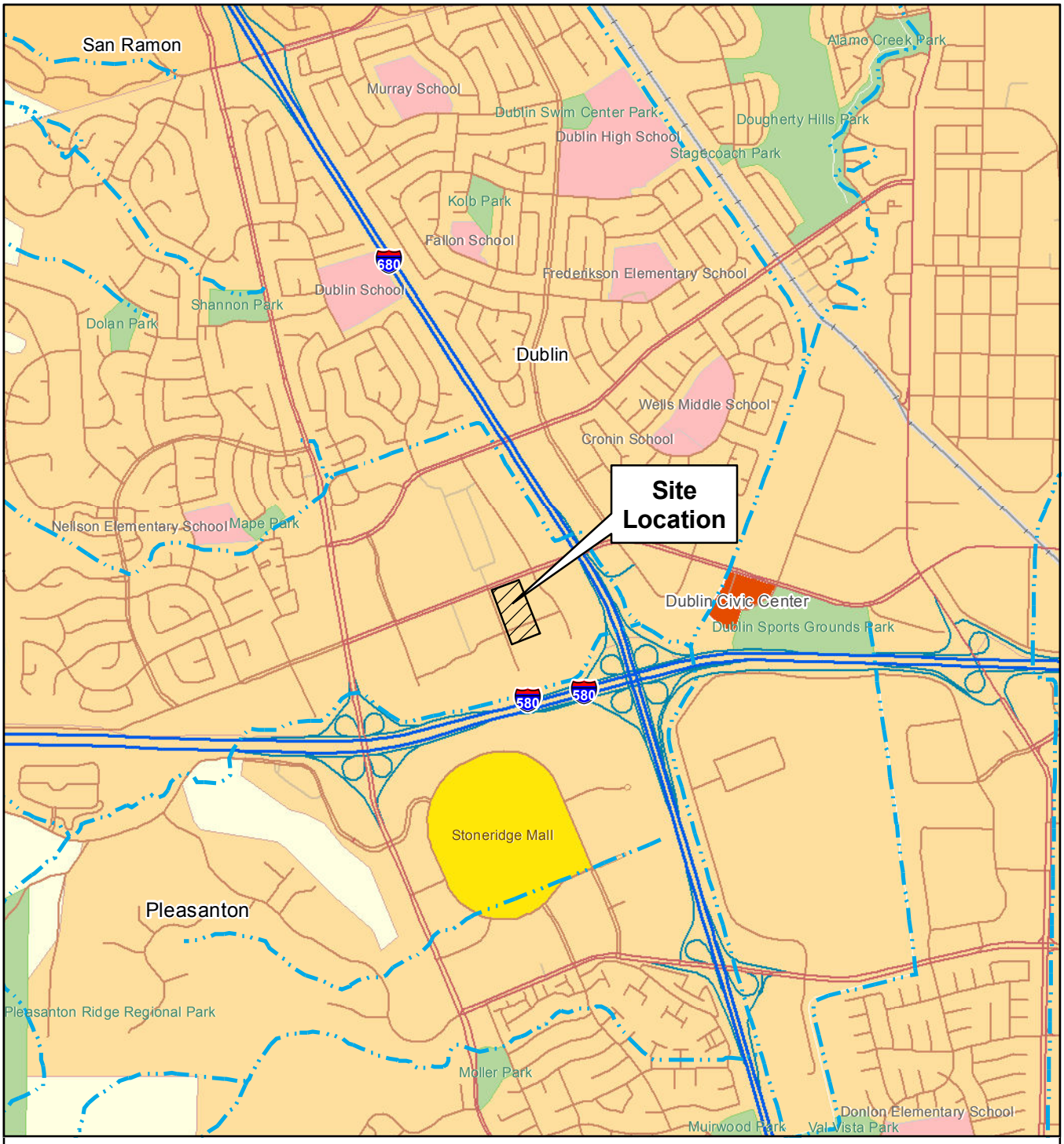
Note

1. California Department of Water Resources, 2006, California's Groundwater, Bulletin 118, Livermore Valley Groundwater Basin, January 20.
2. California Department of Water Resources, 1974, Evaluation of Ground Water Resources: Livermore and Sunol Valleys, Bulletin 118-2, June.
3. California Regional Water Quality Control Board, San Francisco Bay Region, 2008, Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater, May.
4. AMEC, 2011, Revised Soil and Groundwater Investigation Report, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, April 4.
5. U.S. Environmental Protection Agency, 1992, Quick Reference Fact Sheet entitled "Estimating Potential for Occurrence of DNAPL at Superfund Sites," January.
6. Pankow, J., et al, 1996, Dense chlorinated solvents in groundwater: background and history of the problem: in Pankow D. and Cherry J. (eds.), Dense Chlorinated Solvents and other DNAPLs in Groundwater, Waterloo Press, Portland, Ore., Ch. 1, pp. 1-52.

Abbreviations

bgs = below ground surface
cis-1,2-DCE = cis-1,2-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
DNAPL = dense non-aqueous phase liquid
ESLs = Environmental Screening Levels
mg/kg = milligrams per kilogram
PCE = tetrachloroethene
PCBs = polychlorinated biphenyls
PID = photoionization detector
ppm = parts per million
ppmv = parts per million by volume
TCE = trichloroethene
TPHd = total petroleum hydrocarbons as diesel
TPHg = total petroleum hydrocarbons as gasoline
TPHho = total petroleum hydrocarbons as hydraulic oil
TPHmo = total petroleum hydrocarbons as motor oil
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
$\mu g/m^3$ = micrograms per cubic meter

FIGURES



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SITE LOCATION MAP
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/01/2012	Project No. OD10160070
amec		Figure 1

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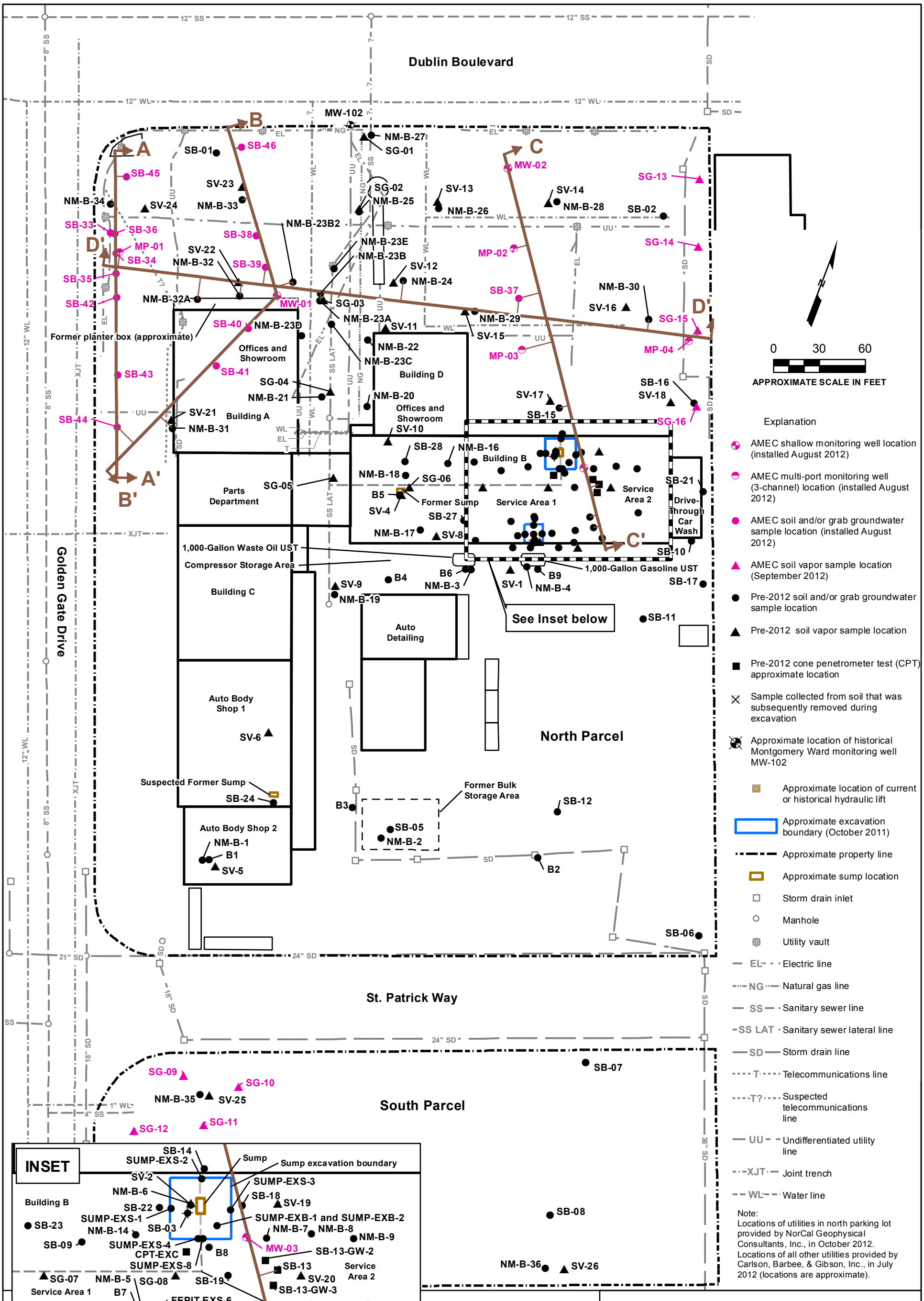
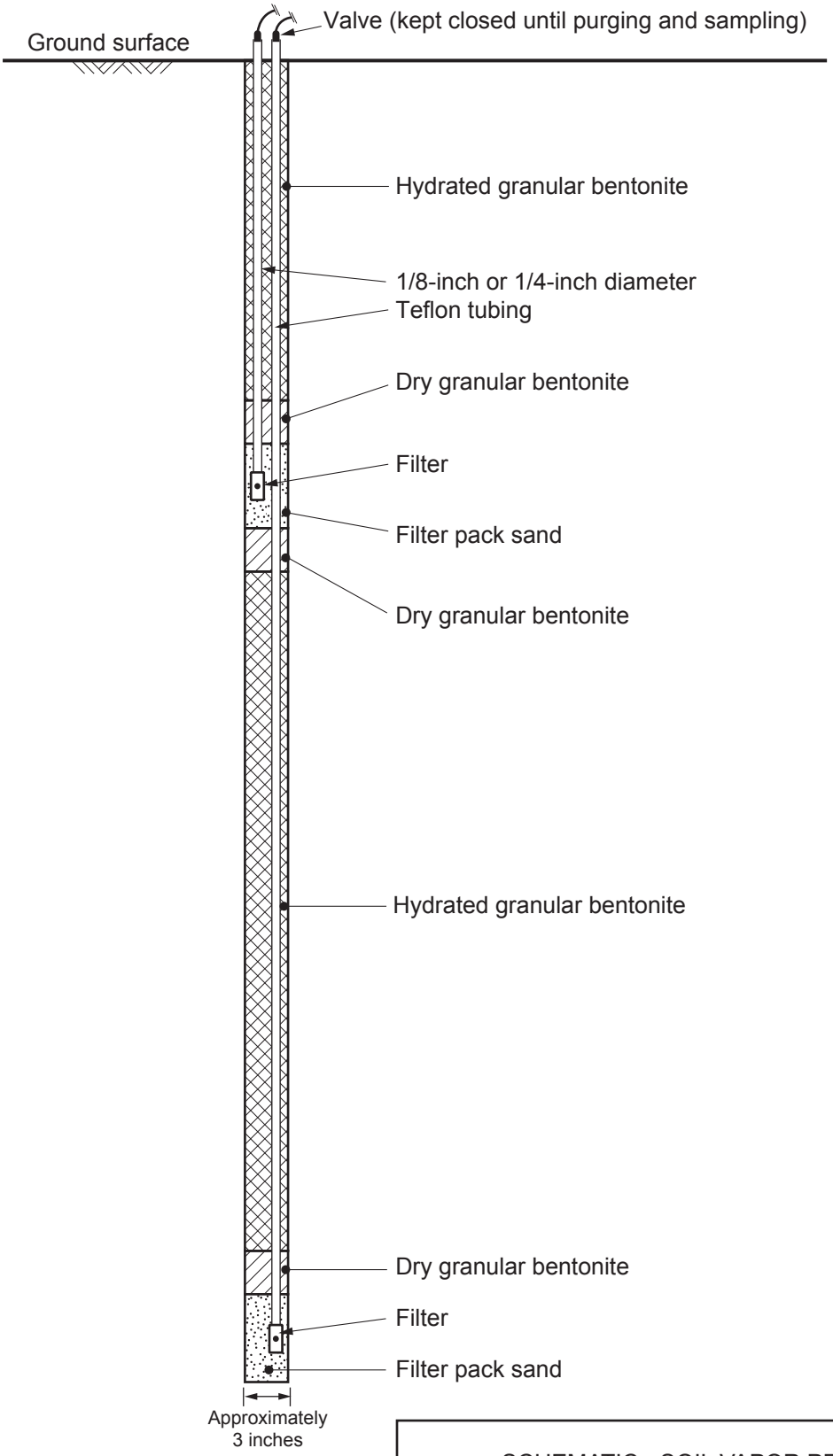


SITE PLAN AND SAMPLE LOCATIONS
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/17/2012	Project No. OD10160070
amec		Figure 2



Note:
Soil vapor probes were constructed with sample inlets placed at one or two different depths; probe construction details are provided on Table 2.

SCHEMATIC - SOIL VAPOR PROBE
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/09/2012	Project No. OD10160070
amec		Figure 3

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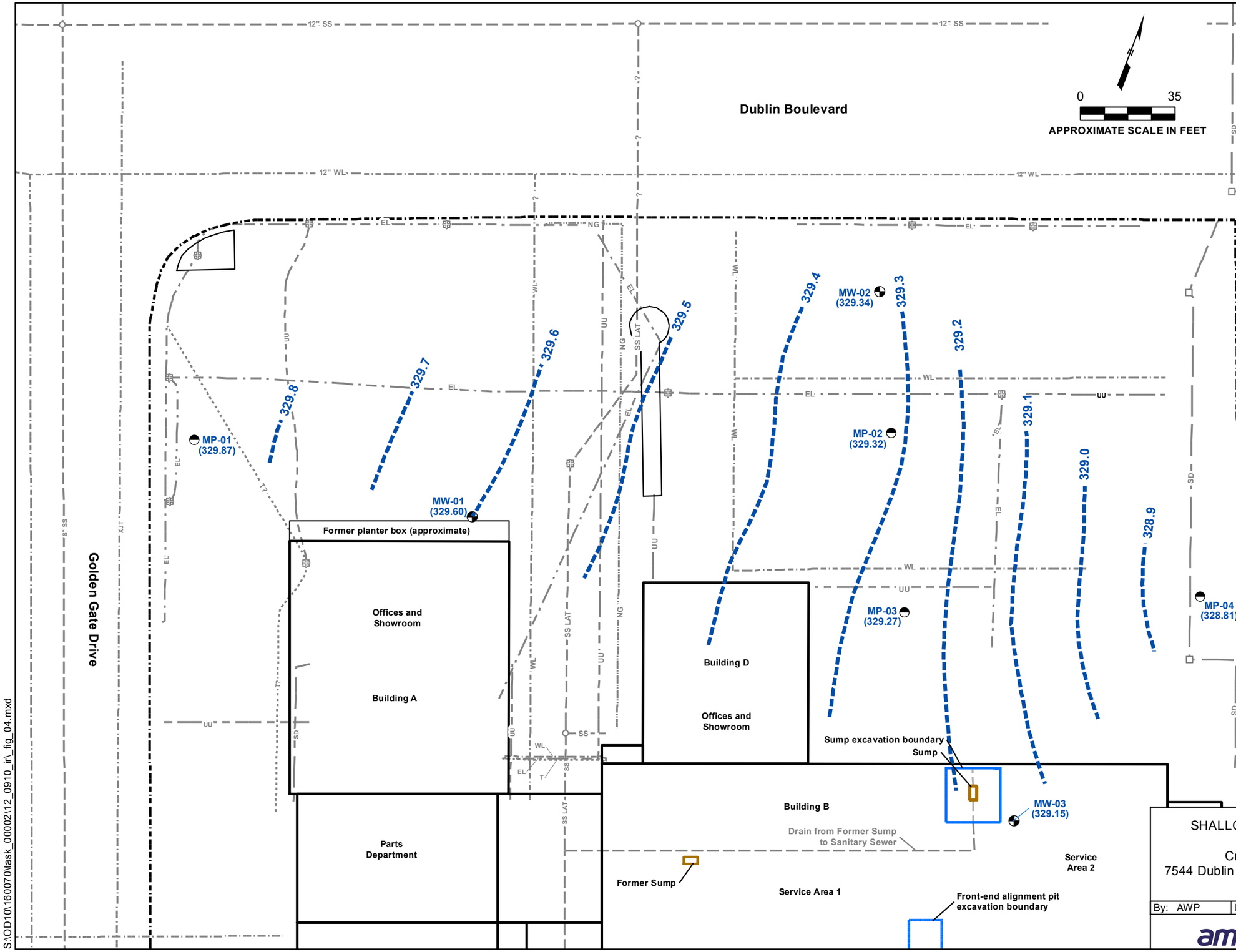

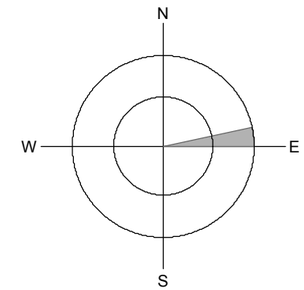

Rose diagram of groundwater flow direction

Explanation

- AMEC shallow monitoring well location (installed August 2012)
- AMEC multi-port monitoring well (3-channel) location (installed August 2012)
- (328.81) Groundwater elevation in feet above mean sea level (msl), measured on September 10, 2012.
- 329.5 Line of equal groundwater elevation in feet msl. Contours are approximate; contour interval = 0.1 feet.
- Approximate excavation boundary (October 2011)
- Approximate property line
- Approximate sump location
- Storm drain inlet
- Manhole
- Utility vault
- EL Electric line
- NG Natural gas line
- SS Sanitary sewer line
- SS LAT Sanitary sewer lateral line
- SD Storm drain line
- T Telecommunications line
- T? Suspected telecommunications line
- UU Undifferentiated utility line
- XJT Joint trench
- WL Water line

SHALLOW POTENTIOMETRIC SURFACE
NORTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/19/2012	Project No. OD10160070
amec		Figure 4

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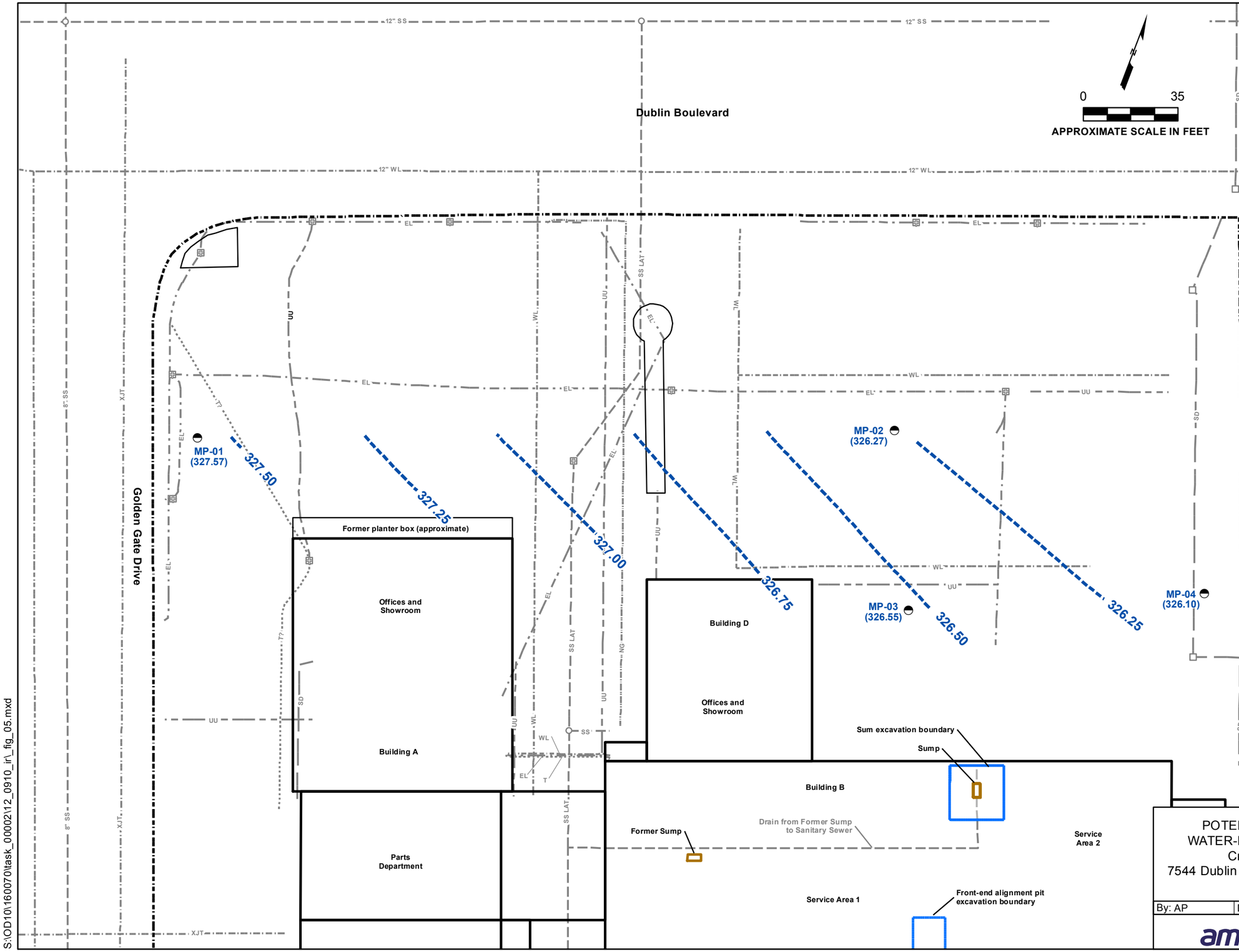

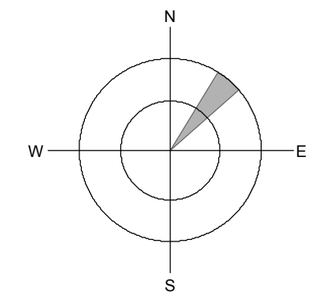

Rose diagram of groundwater flow direction

Explanation

- AMEC shallow monitoring well location (installed August 2012)
- AMEC multi-port monitoring well (3-channel) location (installed August 2012)
- (326.10) Groundwater elevation in feet above mean sea level (msl), measured on September 10, 2012.
- 326.75 Line of equal groundwater elevation in feet msl. Contours are approximate; contour interval = 0.25 feet.
- Approximate excavation boundary (October 2011)
- Approximate property line
- Approximate sump location
- Storm drain inlet
- Manhole
- Utility vault
- EL Electric line
- NG Natural gas line
- SS Sanitary sewer line
- SS LAT Sanitary sewer lateral line
- SD Storm drain line
- T Telecommunications line
- T? Suspected telecommunications line
- UU Undifferentiated utility line
- XJT Joint trench
- WL Water line

POTENTIOMETRIC SURFACE, THIRD WATER-BEARING ZONE - NORTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AP	Date: 10/19/2012	Project No. OD10160070
amec		Figure 5

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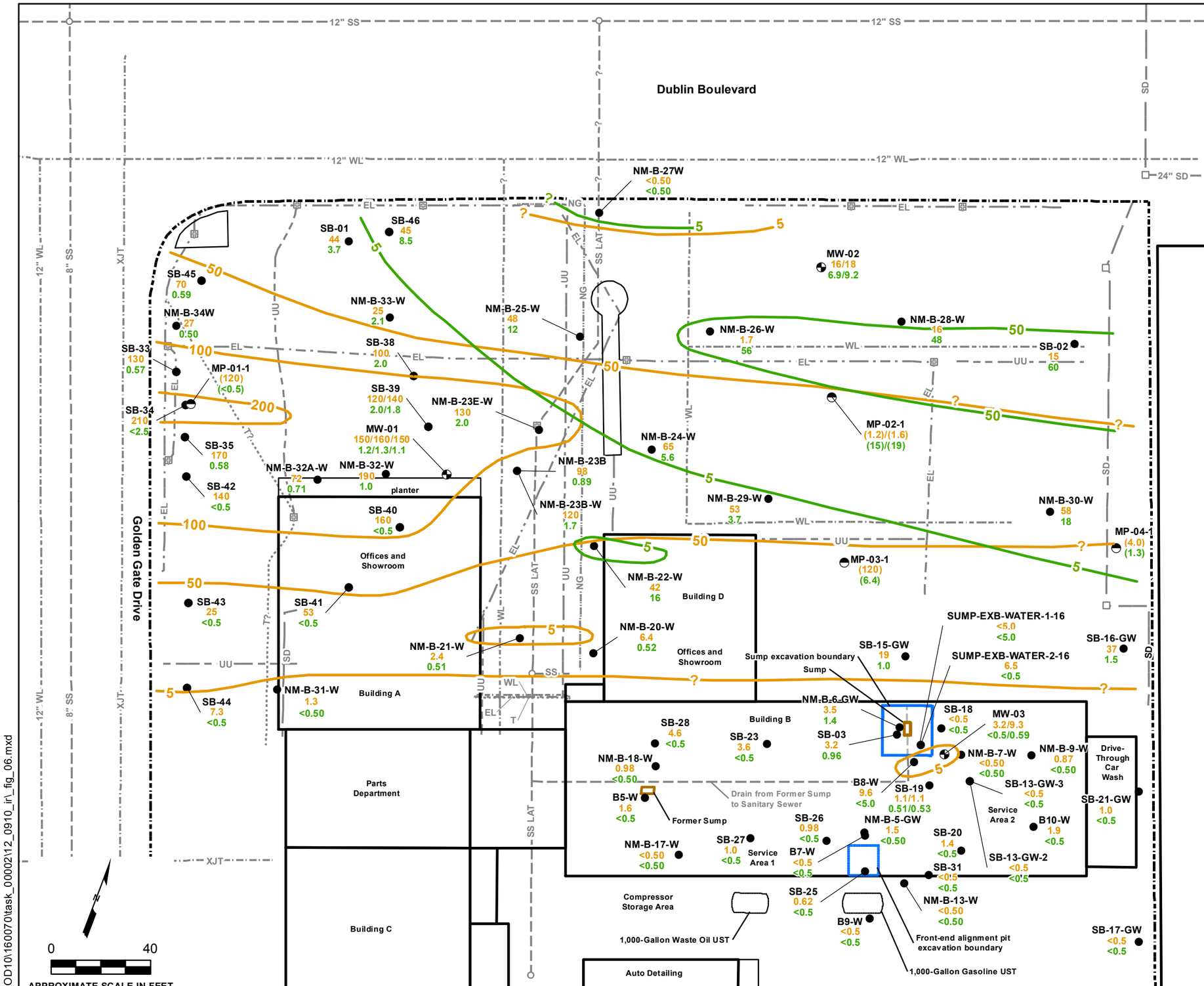

Explanation

- 50 — Approximate line of equal PCE concentration
- 50 — Approximate line of equal TCE concentration
- MW-01 — Well/Boring ID
- 150/160/150 — PCE concentration in µg/L
- 1.2/1.3/1.1 — TCE concentration in µg/L
- Grab groundwater sample
- Duplicate data

Drinking Water ESLs (µg/L)	
PCE	5.0
TCE	5.0

- Shallow monitoring well location
- Multi-port monitoring well (3-channel) location
- Soil and/or grab groundwater sample location
- Approximate excavation boundary (October 2011)
- Approximate property line
- Approximate sump location
- Storm drain inlet
- Manhole
- Utility vault
- EL — Electric line
- NG — Natural gas line
- SS — Sanitary sewer line
- SS LAT — Sanitary sewer lateral line
- SD — Storm drain line
- T — Telecommunications line
- T? — Suspected telecommunications line
- UU — Undifferentiated utility line
- XJT — Joint trench
- WL — Water line

Note:
Results, shown in parenthesis, from multi-port wells were not used in contouring, due to the small screen interval.

Abbreviations:
ESL = environmental screening level
PCE = tetrachloroethene
TCE = trichloroethene
UST = underground storage tank
µg/L = micrograms per liter
< = not detected at laboratory reporting limit indicated

PCE AND TCE IN SHALLOW GROUNDWATER
NORTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/18/2012	Project No. OD10160070
amec		Figure 6

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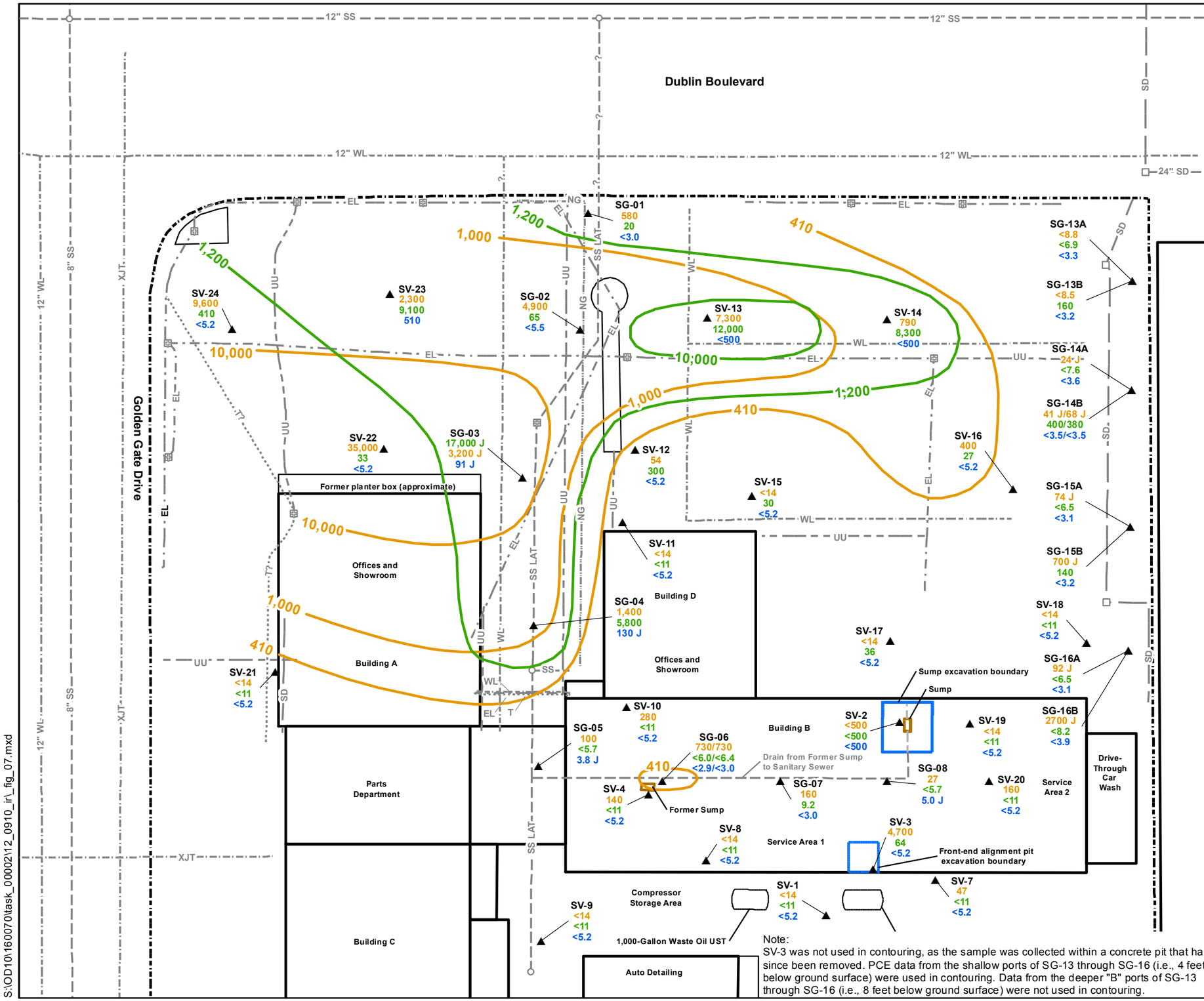

Explanation

410 — Approximate line of equal PCE concentration

1,200 — Approximate line of equal TCE concentration

"A" indicates sample from 4 feet bgs; "B" indicates sample from 8 feet bgs.

SG-14B — Well/Boring ID
41 J/68 J — PCE concentration in µg/m³
400/380 — TCE concentration in µg/m³
<3.5/<3.5 — VC concentration in µg/m³
Duplicate data

Soil Vapor ESLs (µg/m3)	
PCE	410
TCE	1,200
Vinyl chloride	31

- Soil vapor sample location
- Approximate excavation boundary (October 2011)
- Approximate property line
- Approximate sump location
- Storm drain inlet
- Manhole
- Utility vault
- EL — Electric line
- NG — Natural gas line
- SS — Sanitary sewer line
- SS LAT — Sanitary sewer lateral line
- SD — Storm drain line
- T — Telecommunications line
- T? — Suspected telecommunications line
- UU — Undifferentiated utility line
- XJT — Joint trench
- WL — Water line

Abbreviations:
bgs = below ground surface
ESL = environmental screening level
PCE = tetrachloroethene
TCE = trichloroethene
UST = underground storage tank
VC = vinyl chloride
µg/m³ = micrograms per cubic meter
< = not detected at laboratory reporting limit indicated
J = estimated value

N

0 40
APPROXIMATE SCALE IN FEET

Note:
SV-3 was not used in contouring, as the sample was collected within a concrete pit that has since been removed. PCE data from the shallow ports of SG-13 through SG-16 (i.e., 4 feet below ground surface) were used in contouring. Data from the deeper "B" ports of SG-13 through SG-16 (i.e., 8 feet below ground surface) were not used in contouring.

PCE, TCE, AND VINYL CHLORIDE IN SOIL VAPOR
NORTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/18/2012	Project No. OD10160070
amec		Figure 7

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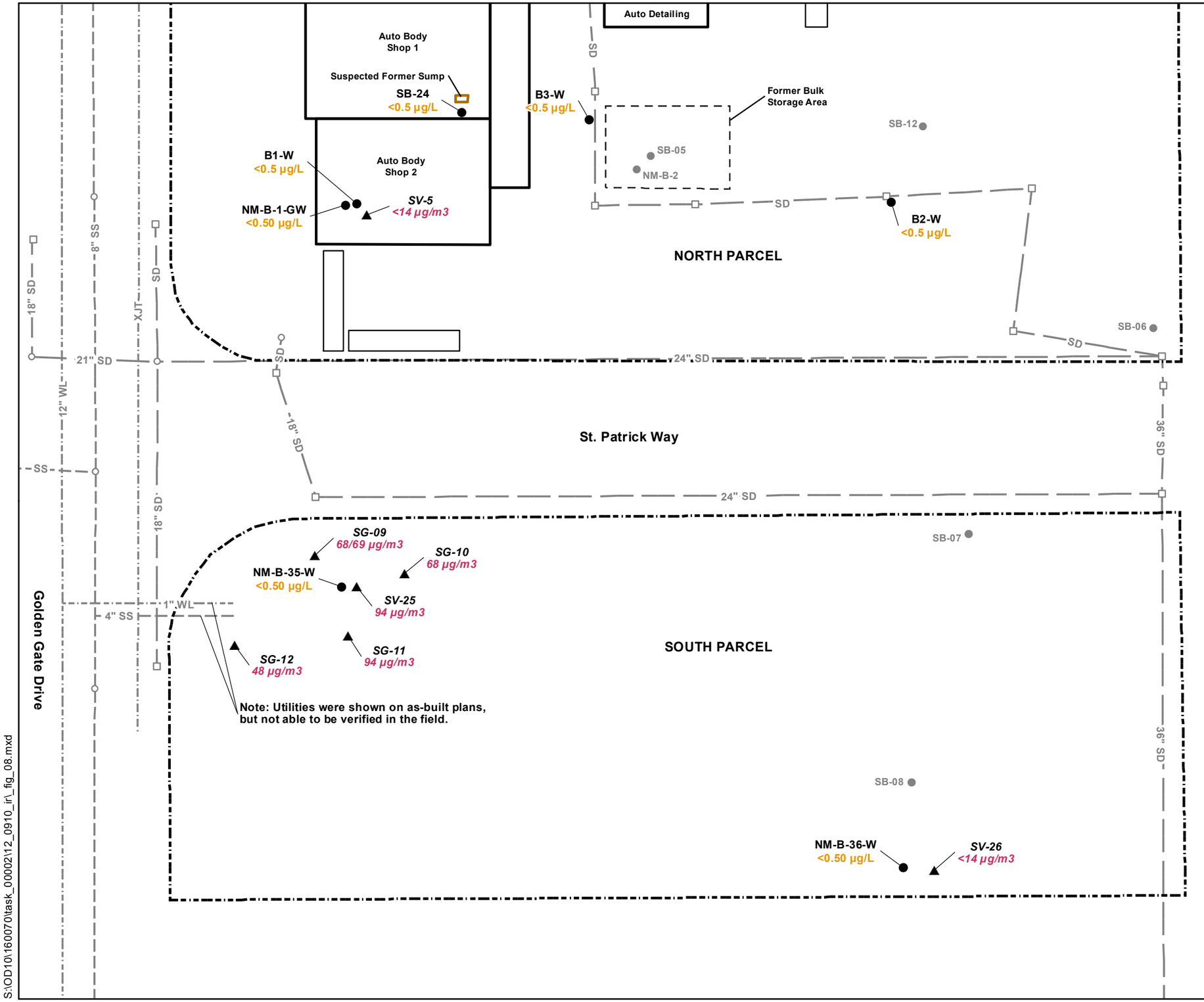

Explanation

● Soil and/or grab groundwater sample location

▲ Soil vapor sample location

Soil Vapor Data:
SG-10 ← Well/Boring ID
<68 µg/m³ ← PCE concentration in micrograms per cubic meter (µg/m³)

Soil Vapor ESL (µg/m3)	
PCE	410

Groundwater Data:
NM-B-35-W ← Well/Boring ID
<0.50 µg/L ← PCE concentration in micrograms per liter (µg/L)

Drinking Water ESL (µg/L)	
PCE	5.0

Approximate property line

Storm drain inlet

Manhole

SS Sanitary sewer line

SD Storm drain line

XJT Joint trench

WL Water line

Abbreviations:
ESL = environmental screening level
PCE = tetrachloroethene
< = not detected at laboratory reporting limit indicated

N

0 40

APPROXIMATE SCALE IN FEET

PCE IN GROUNDWATER AND SOIL VAPOR
SOUTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AP	Date: 10/17/2012	Project No. OD10160070
amec		Figure 8

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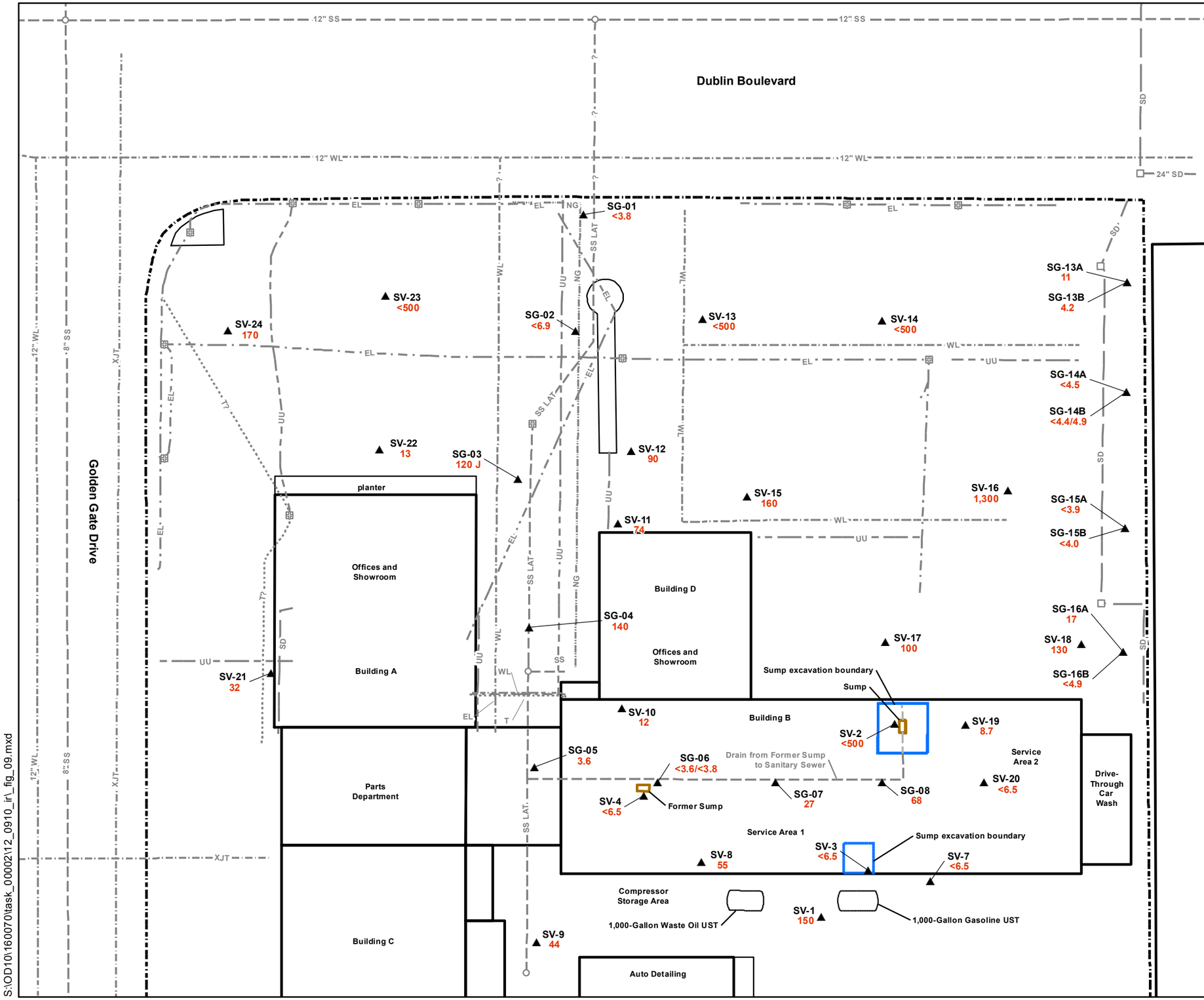

Explanation

SG-14B
<4.4/4.9

"A" indicates sample from 4 feet bgs; "B" indicates sample from 8 feet bgs.
Well/Boring ID
Benzene concentration in micrograms per cubic meter (µg/m^3)
Duplicate data

Soil Vapor ESL (µg/m3)	
Benzene	84

- Soil vapor sample location
- Approximate excavation boundary (October 2011)
- Approximate property line
- Approximate sump location
- Storm drain inlet
- Manhole
- Utility vault
- EL — Electric line
- NG — Natural gas line
- SS — Sanitary sewer line
- SS LAT — Sanitary sewer lateral line
- SD — Storm drain line
- T — Telecommunications line
- T? — Suspected telecommunications line
- UU — Undifferentiated utility line
- XJT — Joint trench
- WL — Water line

Abbreviations:
ESL = environmental screening level
UST = underground storage tank

BENZENE IN SOIL VAPOR
NORTH PARCEL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/19/2012	Project No. OD10160070
amec		Figure 9

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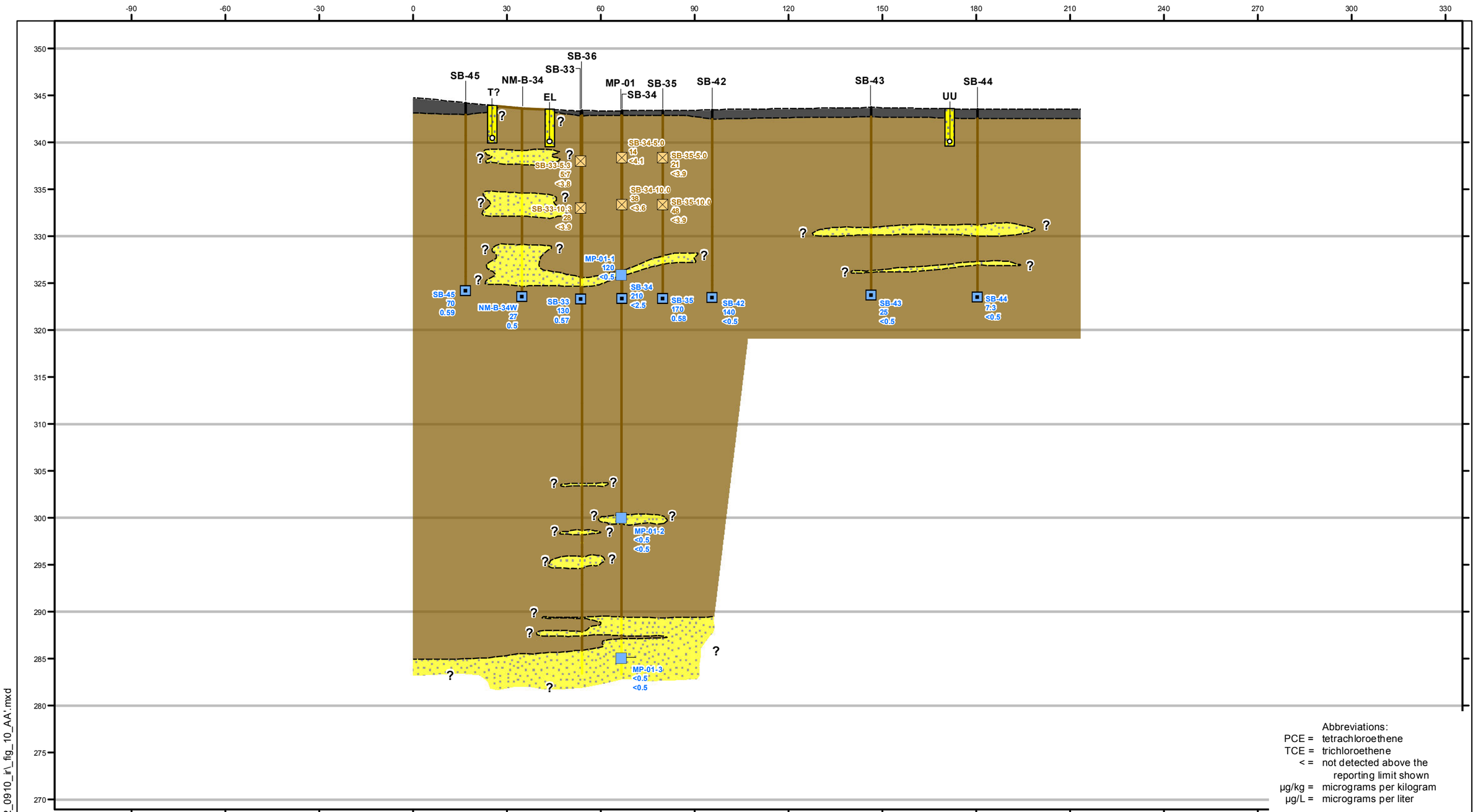

Explanation

Coarse-grained unit (e.g., sands, gravels, silty and clayey sands and gravels)

Fine-grained unit (clays, silts)

EL ← Utility line type
EL = electric line
T? = suspected telecommunications line
UU = undifferentiated utility line

Approximate location of utility trench

Approximate location of utility line

Soil sample

Groundwater monitoring well sample

Grab groundwater sample

Results for PCE and TCE in soil

SB-35 ← Well/Boring ID
170 ← PCE concentration in µg/kg
0.58 ← TCE concentration in µg/kg

Shallow Soil ESLs (µg/kg)	
PCE	370
TCE	460

Results for PCE and TCE in groundwater

SB-43 ← Well/Boring ID
25 ← PCE concentration in µg/L
<0.5 ← TCE concentration in µg/L

Drinking Water ESLs (µg/L)	
PCE	5.0
TCE	5.0

CROSS SECTION A-A'
Crown Chevrolet Cadillac Isuzu
7544 Dubliin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/18/2012	Project No. OD10160070
amec		Figure 10

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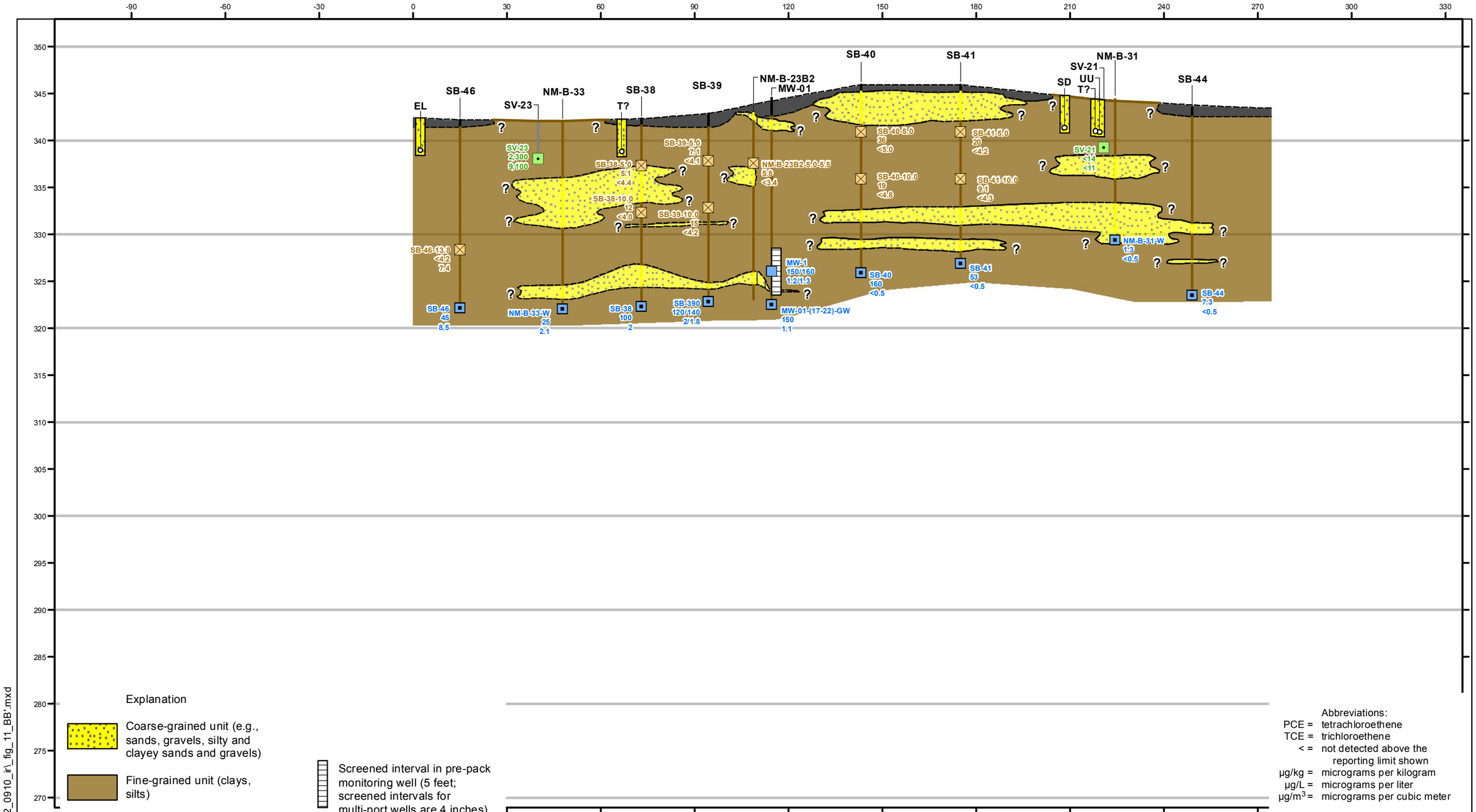

Explanation

Coarse-grained unit (e.g., sands, gravels, silty and clayey sands and gravels)

Fine-grained unit (clays, silts)

EL ← Utility line type
EL = electric line
T? = suspected telecommunications line
SD = storm drain line
UU = undifferentiated utility line

Approximate location of utility trench

Approximate location of utility line

Screened interval in pre-pack monitoring well (5 feet; screened intervals for multi-port wells are 4 inches)

Soil vapor sample

Soil sample

Groundwater monitoring well sample

Grab groundwater sample

Results for PCE and TCE in soil vapor

SV-23 ← Well/Boring ID
2,300 ← PCE concentration in µg/m^3
9,100 ← TCE concentration in µg/m^3

Soil Vapor ESLs (µg/m^3)	
PCE	410
TCE	1,200

Results for PCE and TCE in soil

SB-41-10.0 ← Well/Boring ID
9.4 ← PCE concentration in µg/kg
<4.3 ← TCE concentration in µg/kg

Shallow Soil ESLs (µg/kg)	
PCE	370
TCE	460

Results for PCE and TCE in groundwater

SB-44 ← Well/Boring ID
7.3 ← PCE concentration in µg/L
<0.5 ← TCE concentration in µg/L

Drinking Water ESLs (µg/L)	
PCE	5.0
TCE	5.0

Abbreviations:
PCE = tetrachloroethene
TCE = trichloroethene
< = not detected above the reporting limit shown
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
µg/m^3 = micrograms per cubic meter

CROSS SECTION B-B'
Crown Chevrolet Cadillac Isuzu
7544 Dubliin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/19/2012	Project No. OD1016007
amec		Figure 11

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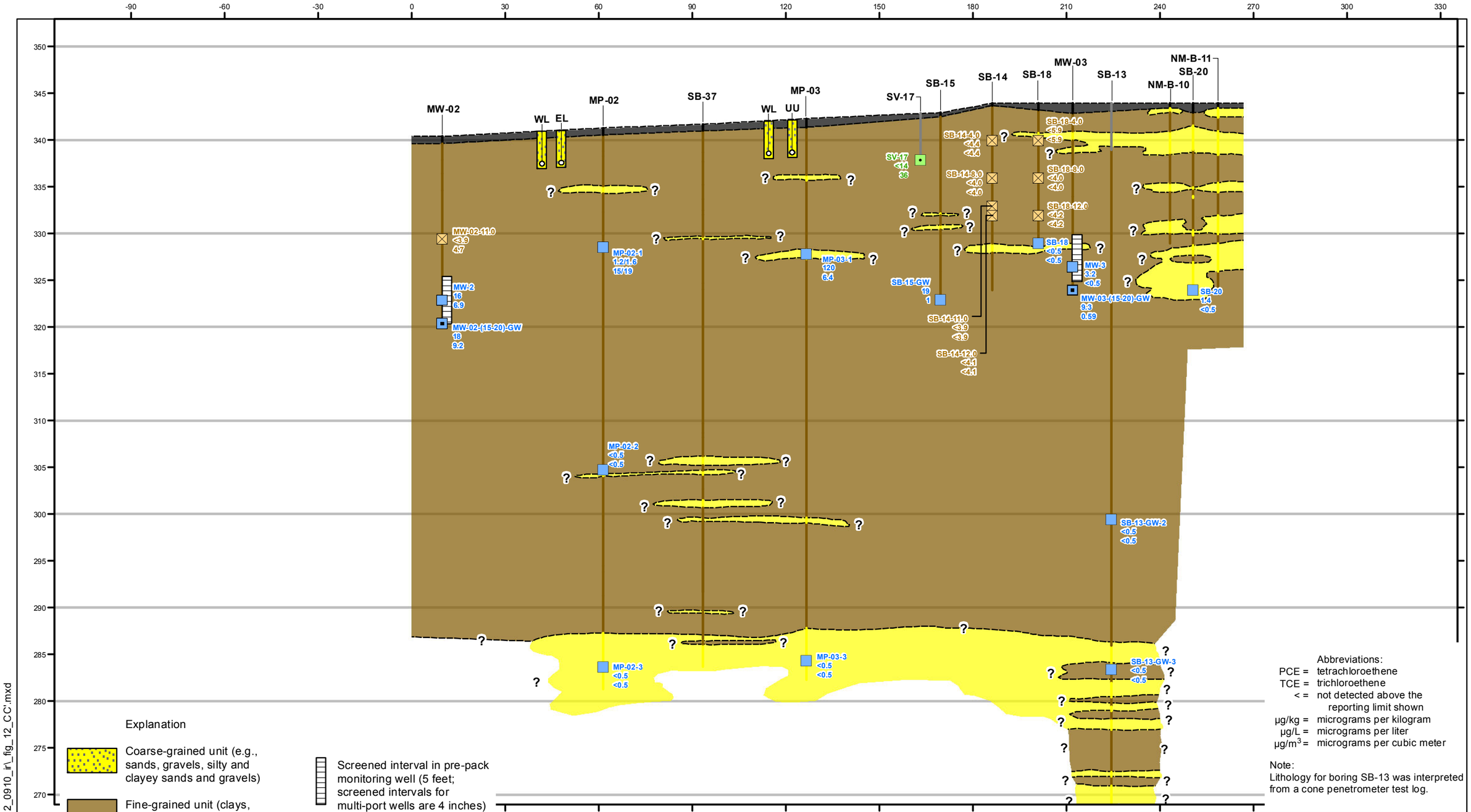

Abbreviations:
PCE = tetrachloroethene
TCE = trichloroethene
< = not detected above the reporting limit shown
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
µg/m³ = micrograms per cubic meter

Note:
Lithology for boring SB-13 was interpreted from a cone penetrometer test log.

Explanation

Coarse-grained unit (e.g., sands, gravels, silty and clayey sands and gravels)

Fine-grained unit (clays, silts)

EL ← Utility line type
EL = electric line
UU = undifferentiated utility line
WL = water line

Approximate location of utility trench

Approximate location of utility line

Screened interval in pre-pack monitoring well (5 feet; screened intervals for multi-port wells are 4 inches)

Soil vapor sample

Soil sample

Groundwater monitoring well sample

Grab groundwater sample

Results for PCE and TCE in soil vapor

SV-17 ← Well/Boring ID
<14 ← PCE concentration in µg/m³
36 ← TCE concentration in µg/m³

Soil Vapor ESLs (µg/m³)	
PCE	410
TCE	1,200

Results for PCE and TCE in soil

SB-14-8.0 ← Well/Boring ID
<4.0 ← PCE concentration in µg/kg
<4.0 ← TCE concentration in µg/kg

Shallow Soil ESLs (µg/kg)	
PCE	370
TCE	460

Results for PCE and TCE in groundwater

MW-3 ← Well/Boring ID
3.2 ← PCE concentration in µg/L
<0.5 ← TCE concentration in µg/L

Drinking Water ESLs (µg/L)	
PCE	5.0
TCE	5.0

CROSS SECTION C-C'
Crown Chevrolet Cadillac Isuzu
7544 Dubliin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/19/2012	Project No. OD10160070
amec		Figure 12

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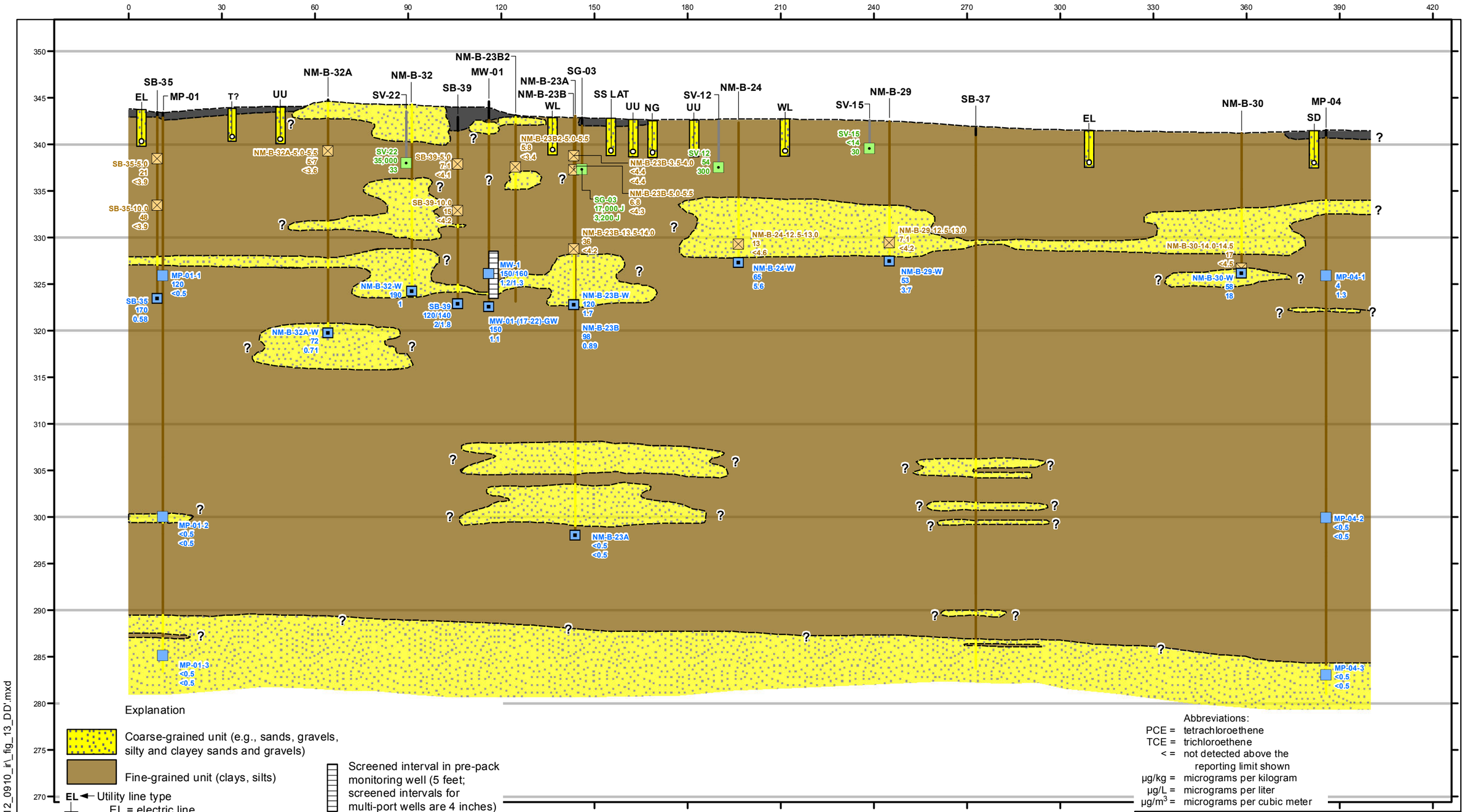

Explanation

Coarse-grained unit (e.g., sands, gravels, silty and clayey sands and gravels)

Fine-grained unit (clays, silts)

EL ← Utility line type
- EL = electric line
- NG = natural gas line
- SD = storm drain line
- SS LAT = sanitary sewer lateral line
- T? = suspected telecommunications line
- UU = undifferentiated utility line
- WL = water line

Approximate location of utility trench

Approximate location of utility line

Screened interval in pre-pack monitoring well (5 feet; screened intervals for multi-port wells are 4 inches)

Soil vapor sample

Soil sample

Groundwater monitoring well sample

Grab groundwater sample

Results for PCE and TCE in soil vapor

SV-22 ← Well/Boring ID
35,000 ← PCE concentration in µg/m³
33 ← TCE concentration in µg/m³

Soil Vapor ESLs (µg/m³)	
PCE	410
TCE	1,200

Results for PCE and TCE in soil

SB-35-10.0 ← Well/Boring ID
48 ← PCE concentration in µg/kg
<3.9 ← TCE concentration in µg/kg

Shallow Soil ESLs (µg/kg)	
PCE	370
TCE	460

Results for PCE and TCE in groundwater

SB-35 ← Well/Boring ID
170 ← PCE concentration in µg/L
0.58 ← TCE concentration in µg/L

Drinking Water ESLs (µg/L)	
PCE	5.0
TCE	5.0

Abbreviations:
- PCE = tetrachloroethene
- TCE = trichloroethene
- < = not detected above the reporting limit shown
- µg/kg = micrograms per kilogram
- µg/L = micrograms per liter
- µg/m³ = micrograms per cubic meter

CROSS SECTION D-D'
Crown Chevrolet Cadillac Isuzu
7544 Dubliin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/19/2012	Project No. OD10160070
amec		Figure 13

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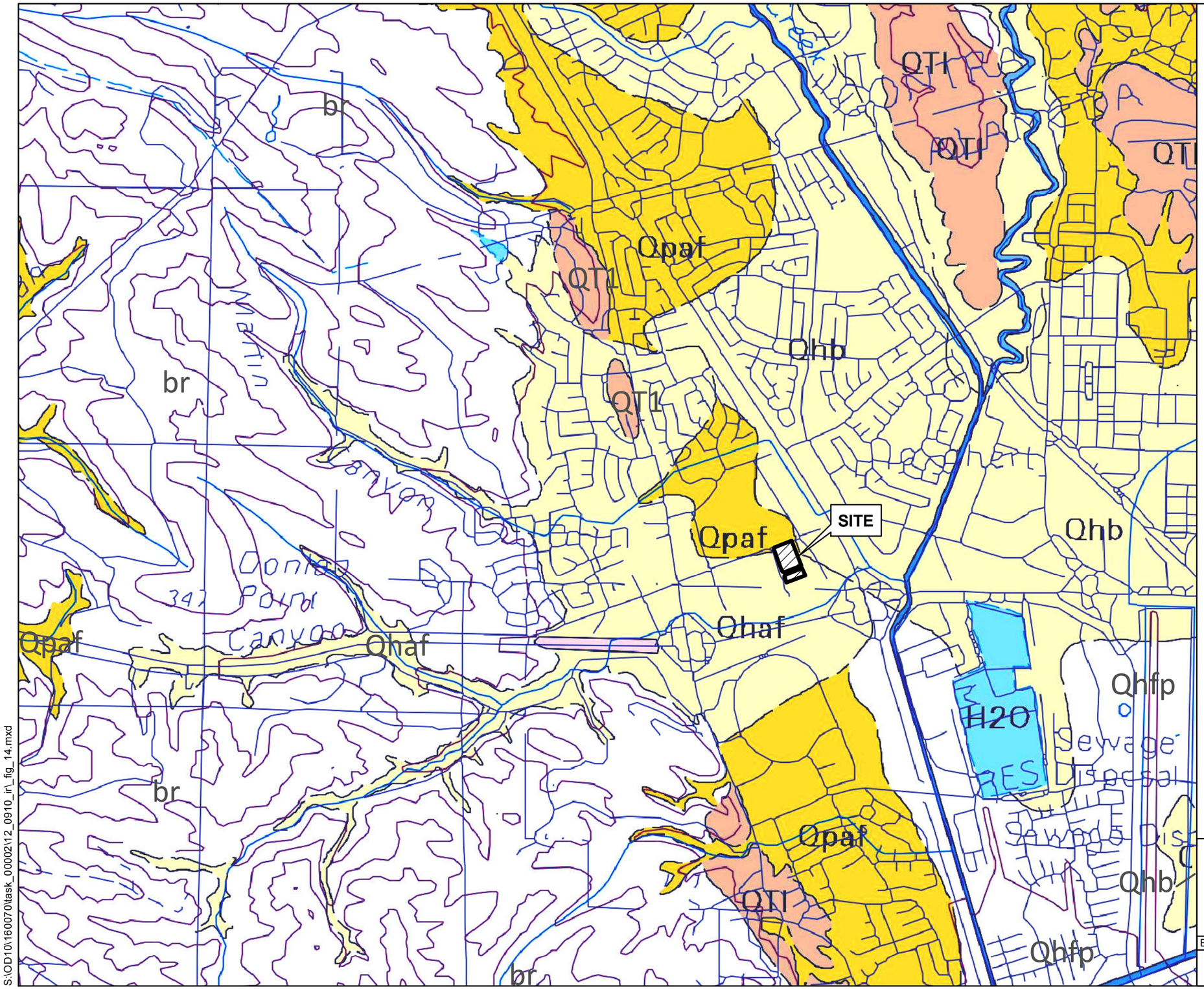

Explanation

Qhaf	Alluvial Fan deposits (Holocene)
Qhb	Basin deposits (Holocene)
Qhfp	Floodplain deposits (Holocene)
Qpaf	Alluvial Fan deposits (Pleistocene)
QT1	Livermore gravels (Pleistocene and/or Pliocene)
br	Undifferentiated bedrock (Pliocene and older)
- - — —	Contact, approximately located

N

0 2,000

APPROXIMATE SCALE IN FEET

Basemap:
Helley, E.J. and Graymer, R.W., 1997, Quaternary geology of Alameda County and parts of Contra Costa, Santa Clara, San Mateo, San Francisco, Stanislaus, and San Joaquin Counties, California: U. S. Geologic Survey, Open-File Report OF-97-97, scale: 1:100,000.

1997 QUATERNARY GEOLOGY MAP
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 10/17/2012	Project No. OD10160070
amec		Figure 14

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APPENDIX A

Permits

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

LOCATION OF PROJECT Former Crown Chevrolet Cadillac Isuzu
7544 Dublin Blvd, Dublin CA

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: 37.70368 LONG: -121.92838
APN 941-1500-15-19

CLIENT
Name Patrick Costello
Address PO Box 2010 Phone 925-895-0769
City Dublin Zip 94568

APPLICANT
Name AMEC E&I (Haely Young)
Email haely.young@amec.com Fax 510-663-4141
Address 2101 Webster St, 12th floor Phone 510-663-3192
City Oakland, CA Zip 94612

TYPE OF PROJECT:
Well Construction X Geotechnical Investigation
Well Destruction — Contamination Investigation X
Cathodic Protection — Other _____

PROPOSED WELL USE:
Domestic — Irrigation —
Municipal — Remediation —
Industrial — Groundwater Monitoring
Dewatering — Other Soil Vapor Monitoring X

DRILLING METHOD:
Mud Rotary — Air Rotary — Hollow Stem Auger —
Cable Tool — Direct Push X Other _____

DRILLING COMPANY Pene Core Drilling

DRILLER'S LICENSE NO. C57 # 906899

WELL SPECIFICATIONS:
Drill Hole Diameter 3.25 in. Maximum
Casing Diameter 0.25 in. Depth 10 ft.
Surface Seal Depth 10 ft. Number 4 (2 dual nested borings)

SOIL BORINGS: N/A
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 8/27/12
ESTIMATED COMPLETION DATE 9/14/12

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

APPLICANT'S SIGNATURE [signature] Date 8/14/12

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2012083
WELL NUMBER 3S/1W-1E17 to 3S/1W-1E20
APN 941-1500-015-09

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 your 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 (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

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 [signature] Wyman Hong Date 8/21/12

Revised: January 4, 2010

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

LOCATION OF PROJECT Former Crown Chevrolet Cadillac Isuzu
7544 Dublin Blvd, Dublin CA

Coordinates Source _____ ft. Accuracy∀ _____ ft.
LAT: 37.70368 ft. LONG: -121.92838 ft.
APN 941-1500-15-19

CLIENT
Name Patrick Costello
Address PO Box 2010 Phone 925-895-0769
City Dublin Zip 94568

APPLICANT
Name AMEC E&I (Haely Young)
Email haely.young@amec.com Fax 510-663-4141
Address 2101 Webster St. 12th Floor Phone 510-663-3992
City Oakland, CA Zip 94612

TYPE OF PROJECT:

Well Construction	X	Geotechnical Investigation	
Well Destruction		Contamination Investigation	X
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	
Cable Tool		Direct Push	X	Other	

DRILLING COMPANY Pene Core Drilling

DRILLER'S LICENSE NO. C57 # 906899

WELL SPECIFICATIONS:
Drill Hole Diameter 3.25 in. Maximum Depth 20 ft.
Casing Diameter 2.5 in. Number 3
Surface Seal Depth 10 ft.

SOIL BORINGS:
Number of Borings 15 Maximum Depth 20 ft.
Hole Diameter 3.25 in.

ESTIMATED STARTING DATE 8/27/12
ESTIMATED COMPLETION DATE 9/14/12

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

APPLICANT'S SIGNATURE Haely Young Date 8/14/12

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2012084
WELL NUMBER 3S/1W-1E21 to 3S/1W-1E23
APN 941-1500-015-09

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 your 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 (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

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 8/21/12
Wyman Hong

Revised: January 4, 2010

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

LOCATION OF PROJECT Former Crown Chevrolet Cadillac Isuzu
7544 Dublin Blvd, Dublin CA

Coordinates Source _____ ft. Accuracy ± _____ ft.
LAT: 37.70368 ft. LONG: -121.92838 ft.
APN 941-1500-15-19

CLIENT
Name Patrick Costello
Address PO Box 2010 Phone 925-895-0769
City Dublin Zip 94568

APPLICANT
Name AMEC E&I (Haely Young)
Email haely.young@amec.com Fax 510-663-4141
Address 201 Webster St, 12th floor Phone 510-663-3992
City Oakland, CA Zip 94612

TYPE OF PROJECT:

Well Construction	X	Geotechnical Investigation	
Well Destruction		Contamination Investigation	X
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	
Cable Tool		Direct Push	X	Other rotosonic	X

DRILLING COMPANY Cascade Drilling

DRILLER'S LICENSE NO. C57 # 938110

WELL SPECIFICATIONS:
Drill Hole Diameter 6 in. Maximum Depth 75 ft.
Casing Diameter 1.1 in. Number 4 x 3 channel CMT
Surface Seal Depth 10 ft.

SOIL BORINGS:
Number of Borings 2 Maximum Depth 75 ft.
Hole Diameter 4.5 in.

ESTIMATED STARTING DATE 8/22/12
ESTIMATED COMPLETION DATE 9/14/12

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

APPLICANT'S SIGNATURE Haely Young Date 8/14/12

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2012085
WELL NUMBER 3S/1W-1E24 to 3S/1W-1E27
APN 941-1500-015-09

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 your 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 (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

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 8/21/12
Wyman Hong

Revised: January 4, 2010

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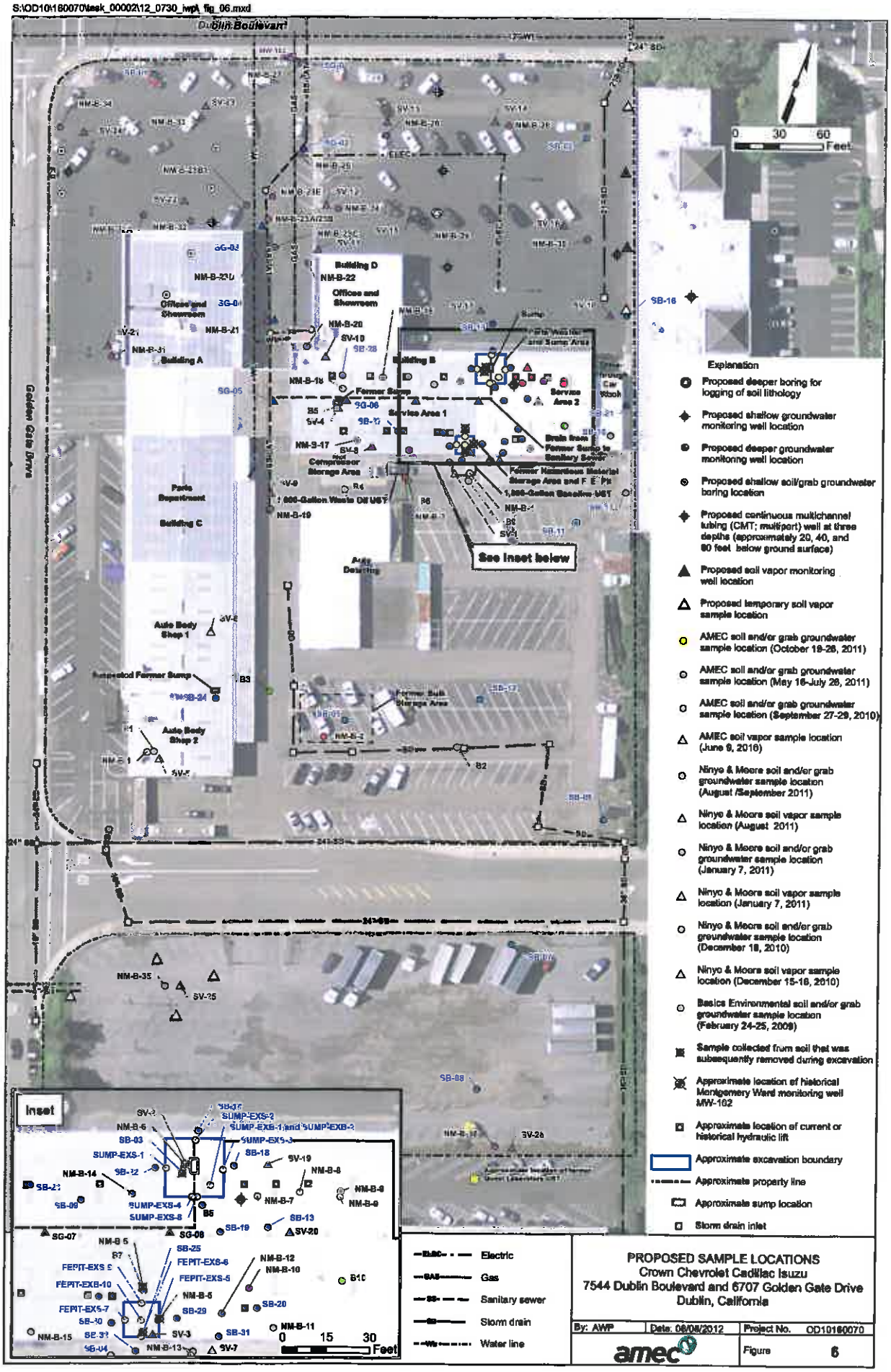


PROPOSED SAMPLE LOCATIONS
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 08/08/2012	Project No. OD10160070
amec		Figure 6

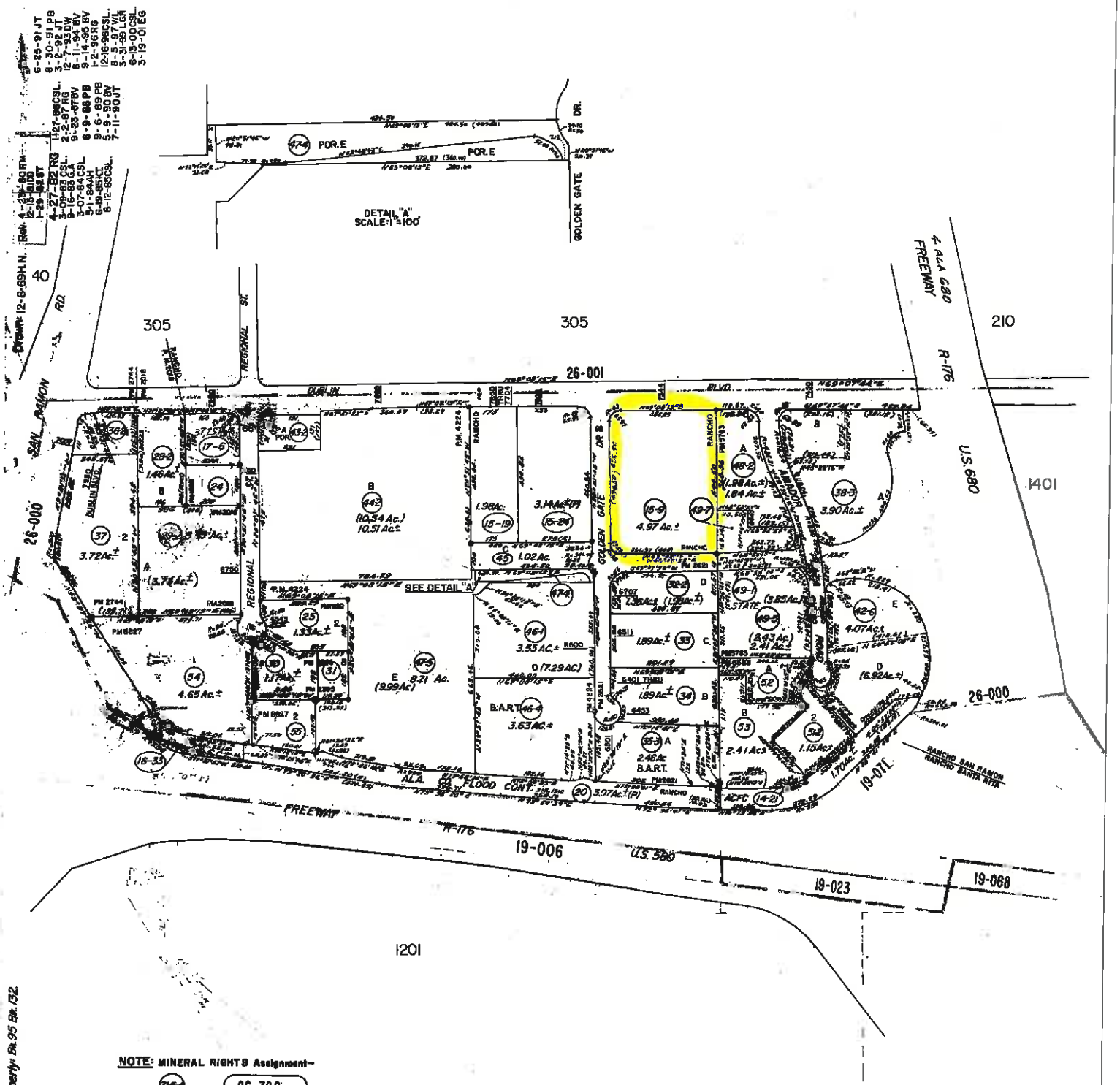
ASSESSOR'S MAP 941

Code Area Nos. 26-000 26-700 19-071

1500 Scale: 1" = 300'

RANCHO SANTA RITA - J.D. PACHECO (Pots. Bk. A Pg. 194)
RANCHO SAN RAMON - J.M. AMADOR (Pots. Bk. A Pg. 172)

P.M. 1237 (Bk. 84 Pg. 31)
P.M. 1668 (Bk. 87 Pg. 73)
P.M. 2395 (Bk. 101 Pg. 47)
P.M. 2621 (107/50)
P.M. 2744 (107/67)
P.M. 1920 (Bk. 94 Pg. 11)
P.M. 2018 (Bk. 97 Pg. 24)
P.M. 2922 138/58
P.M. 4224 143/6
P.M. 5783 189/59
P.M. 6179 200/38
P.M. 6568 211/29
P.M. 8627 286/5-6



NOTE: MINERAL RIGHTS Assignment–
(714-4) (26-700)

Formerly Bk. 95 Bk. 132

NPN-5
Ind. 1
Sub. 9.

Patton, Avery

From: Hong, Wyman [WHong@zone7water.com]
Sent: Friday, August 31, 2012 1:33 PM
To: Patton, Avery
Cc: Jones, Jeff; Young, Haely
Subject: RE: Drilling Permit

Avery,

I will add the extra 5 borings. Thanks for the update.

~Wyman

From: Patton, Avery [mailto:Avery.Patton@amec.com]
Sent: Friday, August 31, 2012 1:18 PM
To: Hong, Wyman
Cc: Jones, Jeff; Young, Haely
Subject: RE: Drilling Permit
Importance: High

Hi Wyman –

We would like to add 5 more temporary borings to the attached permit (which currently calls for 15 temporary borings), for a total of 20.

The boring locations are shown on the attached figure, and are circled in red. We're hoping to begin this work this coming Tuesday (as Monday is a holiday).

Can you let us know if you approve this change?

Thanks
Avery

Avery Patton
P: 510-663-4154
C: 415-378-3912

From: Hong, Wyman [mailto:WHong@zone7water.com]
Sent: Tuesday, August 21, 2012 4:40 PM
To: Patton, Avery
Cc: Jones, Jeff
Subject: Drilling Permit

Avery,

Attached are drilling permits 2012083, 2012084 and 2012085 for monitoring well construction projects at 7544 Dublin Boulevard in Dublin for Patrick Costello (former Crown Chevrolet).

Please contact Jeff Jones at (925) 519-1147 or me to schedule an inspection prior to your start of work. Thanks,

Wyman Hong
Water Resources Specialist

Zone 7 Water Agency
100 North Canyons Parkway
Livermore, CA 94551
Phone: (925) 454-5056
Mobile: (925) 786-7295

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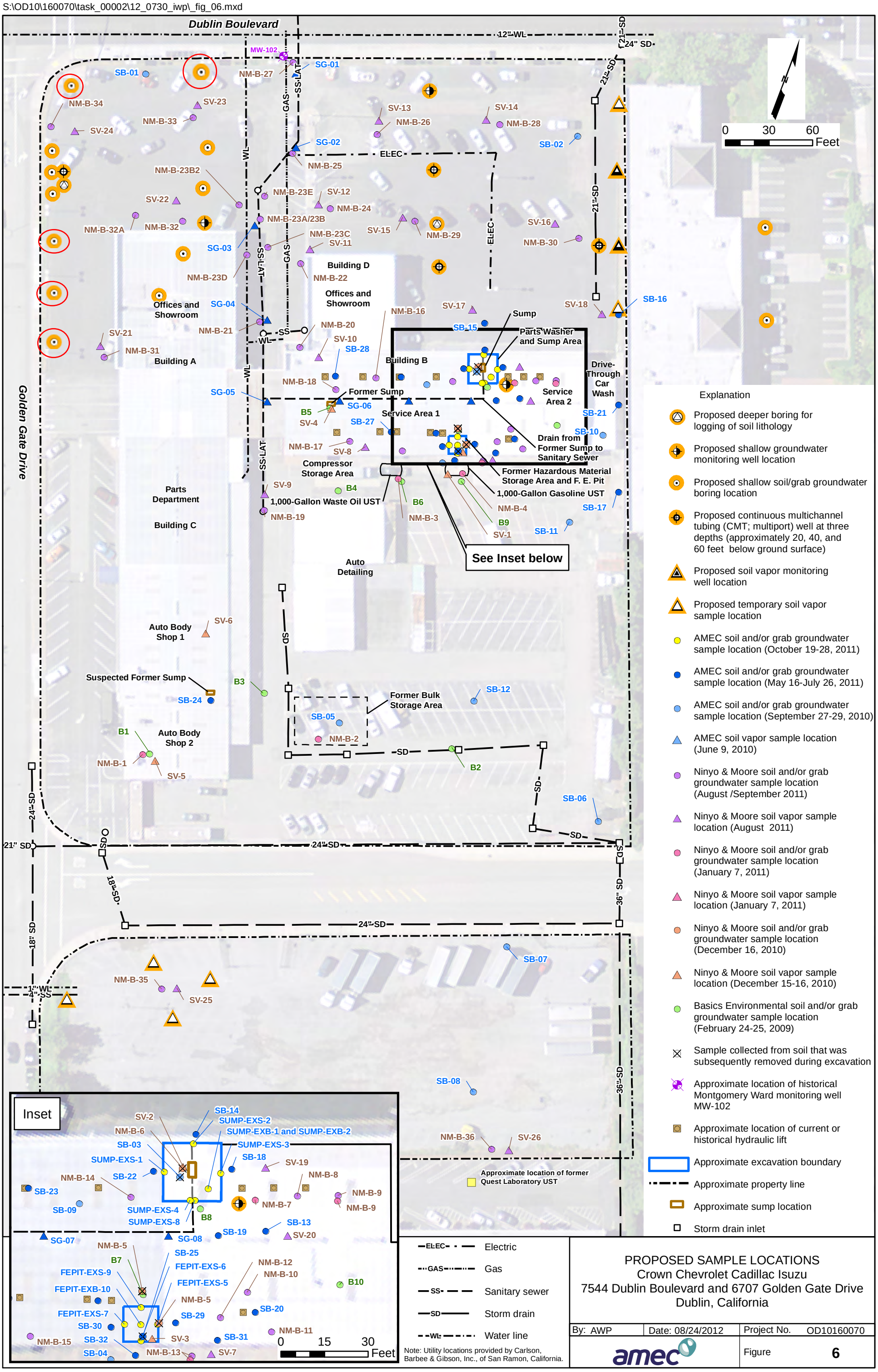

PROPOSED SAMPLE LOCATIONS
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 08/24/2012	Project No. OD10160070
amec		Figure 6

APPENDIX B

Boring and Well Construction Logs

2012 BORING LOGS

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-33**
BORING LOCATION: Latitude: 37.7038993; Longitude: -121.9291837	ELEVATION AND DATUM: 343.35' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/28/12 / DATE FINISHED: 8/28/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.35' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2.5 inches thick)	
				0	AGGREGATE BASE: (3.5 inches thick)	Hand augered to 5.25 feet bgs.
1				0	LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0	SANDY LEAN CLAY (CL): dark brown (10YR 3/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
4				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
5	SB-33-5.3			0		
				0	60% fines, 40% fine sand	
6				0		
				0		
7				0		
				0		
8				0		
				0		
9						
10	SB-33-10.3			0		
					dark yellowish brown (10YR 4/4), soft	
11				0		
				0		Grab groundwater sample SB-33 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
12						
13				0		
14				0		
15				0		

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-33 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	55% fines, 45% fine sand, very soft	
16				0	SANDY LEAN CLAY (CL): cont'd	Depth to water was measured using an electronic water level meter at 830 on August 28, 2012: 16.4 feet bgs.
17				0		
				0		
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-34**
BORING LOCATION: Latitude: 37.7038693; Longitude: -121.9291544	ELEVATION AND DATUM: 343.41' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/27/12 / DATE FINISHED: 8/27/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: 17.1 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.41' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
				0	AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (10YR 2/1), moist, 85% fines, 15% fine sand, medium to low plasticity, firm	
				0		
2				0		
				0	dark brown (10YR 3/3), trace fine gravel	Boring location coordinates are based on North American Datum of 1983.
3				0	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
				0		
4				0	trace fine gravel	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
	SB-34-5.0			0		
5				0	dark grayish brown (10YR 4/2), 55% fines, 45% fine sand	
					no gravel	
6				0		
7				0		
8				0		
9				0	dark yellowish brown (10YR 4/4)	
10	SB-34-10.0			0		
11				0		
12				0		Depth to water was measured using an electronic water level meter at 1411 on August 27, 2012: 13.3 feet bgs.
13				0	soft	
14				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-34 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	olive brown (2.5Y 4/3)	
16				0	SANDY LEAN CLAY (CL): cont'd	Grab groundwater sample SB-34 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 15 feet bgs to maintain surface seal.
17				0	CLAYEY SAND (SC): wet	
18				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-35**	
BORING LOCATION: Latitude: 37.7038360; Longitude: -121.9291389	ELEVATION AND DATUM: 343.42' (NAVD 88)	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/27/12	DATE FINISHED: 8/28/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: 15.5 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.42' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, trace fine gravel, medium plasticity, stiff	
				0		
2				0	LEAN CLAY with SAND (CL): dark brown (10YR 3/3), moist, 85% fines, 15% fine sand, trace fine gravel, medium plasticity, firm	
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0		
4				0	dark grayish brown (2.5Y 4/2), 75% fines, 20% fine sand, 5% fine gravel	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
5	SB-35-5.0			0		
				0		
6				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 70% fines, 30% fine sand, medium plasticity, firm	
7				0		
8				0		
				0		
9						
10	SB-35-10.0			0		
11				0		
12				0		Depth to water was measured using an electronic water level meter at 755 on August 28, 2012: 12.5 feet bgs.
				0		
13				0	55% fines, 45% fine sand, soft	
14				0		
				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-35 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	
16				0	CLAYEY SAND (SC)	Grab groundwater sample SB-35 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
					firm	
17				0		
18				0		
				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-36**
BORING LOCATION: Latitude: 37.7039013; Longitude: -121.9291741	ELEVATION AND DATUM: 343.41' (NAVD 88)
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/28/12 / DATE FINISHED: 8/28/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 60.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST 17.8 / COMPL. NA
SAMPLING METHOD: Geoprobe DT22 dual-tube sampling system [5' x 2.25"]	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.41' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2.5 inches thick)	
					AGGREGATE BASE: (3.5 inches thick)	Hand augered to 5 feet bgs.
1					LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
2					SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 60% fines, 40% fine sand, trace fine gravel, medium plasticity, firm	
3						Boring location coordinates are based on North American Datum of 1983.
4					LEAN CLAY with SAND (CL): dark gray (2.5Y 4/1), moist, 80% fines, 20% fine sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5				0.1	light olive brown (2.5Y 5/3)	
6				0		
7				0	soft	
8				0	hard	
9				0	LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 90% fines, 10% fine sand, medium plasticity, soft	
10				0		
11				0	dark gray (2.5Y 4/1), hard	
12				0		
13				0		
14				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 70% fines, 30% fine sand, medium plasticity, firm	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-36 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	
16				0		
17				0		
					LEAN CLAY (CL)	
18				0	CLAYEY SAND (SC): grayish brown (2.5Y 5/2), wet, 70% fine sand, 30% medium plasticity fines	
				0	LEAN CLAY (CL): dark gray (2..5Y 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
19				0		
20				0	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 75% fines, 25% fine sand, medium plasticity, soft	
21				0		
22				0	grayish brown (2.5Y 5/2)	
23				0	LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 90% fines, 10% fine sand, medium plasticity, firm soft	
24				0	firm	
25				0		
26				0		
27				0		
28				0	dark grayish brown (2.5Y 4/2), hard dark gray (2.5Y 4/1)	
29				0		
30				0		
31					olive gray (5Y 5/2)	
32					LEAN CLAY with SAND (CL): light gray (5Y 7/2), moist, 75% fines, 25% fine to medium sand, medium plasticity, firm	
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-36 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY with SAND (CL): cont'd	
34				0	LEAN CLAY (CL): olive gray (5Y 5/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
35				0		
36				0	olive gray (5Y 4/2)	
37				0		
				0	contains light gray (5Y 7/1) material	
38					SANDY LEAN CLAY (CL) gray (5Y 5/1)	
39				0		
40				0	CLAYEY SAND with GRAVEL (SC): wet	
41				0	SANDY LEAN CLAY (CL): gray (5Y 5/1), moist, 70% fines, 30% fine sand, medium plasticity, soft	
42				0	LEAN CLAY with SAND (CL): dark greenish gray (10Y 4/1), moist, 85% fines, 15% fine sand, medium plasticity, firm greenish gray (5GY 5/1)	
43				0	SANDY LEAN CLAY (CL)	
44				0	CLAYEY SAND (CL): dark greenish gray (10Y 4/1), wet, 80% fine to medium sand, 20% low plasticity fines	
45				0	POORLY-GRADED SAND with CLAY (SP)	
46				0	LEAN CLAY (CL): gray (N 5/), moist, 90% fines, 10% fine sand, medium plasticity, firm CLAYEY SAND (SC)	
47				0	SANDY LEAN CLAY (CL): greenish gray (5G 6/1), moist, 65% fines, 35% fine to medium sand, medium plasticity	
				0	SANDY LEAN CLAY with GRAVEL (CL)	
48				0	CLAYEY SAND (SC): olive gray (5Y 5/2), wet, 65% fine sand, 35% medium plasticity fines	
49				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist, 65% fines, 35% fine sand, medium plasticity, firm	
50				0	LEAN CLAY (CL): dark greenish gray (5GY 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm dark greenish gray (10GY 4/1)	
51					LEAN CLAY with SAND (CL): see next page	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-36 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY with SAND (CL): dark gray (5Y 4/1), moist, 75% fines, 25% fine sand, medium plasticity, firm	
				0		
52				0		
53				0	dark greenish gray (10Y 4/1) mottled with greenish gray (10BG 5/1)	
				0		
54				0	CLAYEY SAND (SC): wet	
					SANDY LEAN CLAY (CL): dark greenish gray (5GY 4/1), moist, 60% fines, 40% fine sand, low plasticity, firm	
55				0		
				0	CLAYEY SAND with GRAVEL (SC): very dark greenish gray (5GY 3/1), wet, 45% fine to coarse sand, 20% fines, 15% fine gravel	
56						
				0	CLAYEY SAND (SC): dark gray (5Y 4/1)	
57					greenish gray (5GY 5/1), 55% fines, 45% fine sand	
				0	CLAYEY SAND (SC): greenish gray (5GY 5/1), wet, 80% fine sand, 20% low plasticity fines	
58						
59						
60					Bottom of boring at 60.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
61						
62						
63						
64						
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68						
69						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-37**	
BORING LOCATION: Latitude: 37.7040612; Longitude: -121.9282717	ELEVATION AND DATUM: 341.71' (NAVD 88)	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/28/12	DATE FINISHED: 8/28/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 58.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.)	FIRST 12.0 / COMPL. NA
SAMPLING METHOD: Geoprobe DT22 dual-tube sampling system [5' x 2.25"]	LOGGED BY: N. Fitch	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 341.71' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2.5 inches thick)	
					AGGREGATE BASE: (6 inches thick)	
1				0	LEAN CLAY (CL): dark gray (2.5Y 4/1)	Hand augered to 5.1 feet bgs.
2				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% coarse gravel, medium plasticity, firm	
3				0.1	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	Boring location coordinates are based on North American Datum of 1983.
4				0 0.1	LEAN CLAY with SAND (CL): dark gray (2.5Y 4/1), moist, 80% fines, 20% fine to medium sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5				1		
6				0.7		
7				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist, 70% fines, 30% fine sand, medium plasticity, soft	
8				0.7	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
9				1		
10				0.1	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist	
11						
12				36.4	CLAYEY SAND with GRAVEL (SC): dark gray (5Y 4/1), wet, odor dark gray (5Y 4/1)	
13				24.6		
14				92		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-37 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					LEAN CLAY (CL): cont'd	
16				0	grayish brown (2.5Y 5/2)	
17				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 60% fines, 40% fine sand, medium plasticity, soft	
18				0	LEAN CLAY (CL): dark gray (2.5Y 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
19						
20				0	grayish brown (2.5Y 5/2)	
21				0		
22				0		
23				0		
24				0	dark grayish brown (2.5Y 4/2)	
25				0		
26				0	hard	
27				0	dark gray (2.5Y 4/1)	
28				0		
29				0		
30				0		
31				0 0	olive gray (5Y 5/2) mottled with very dark gray (10YR 3/1)	
32					LEAN CLAY with SAND (CL): olive gray (5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-37 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): light olive gray (5Y 6/2), moist, 60% fines, 40% fine sand, medium plasticity, soft	
34				0	LEAN CLAY with SAND (CL): olive gray (5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
35				0		
36				0	CLAYEY SAND (SC): olive gray (5Y 5/2), wet, 60% fine to medium sand, 40% medium plasticity fines	
37				0	LEAN CLAY with SAND (CL): moist grayish brown (2.5Y 5/2), 80% fine to coarse sand, 20% low plasticity fines	
38				0 0	LEAN CLAY (CL): olive gray (5Y 5/2), moist, 90% fines, 10% fine sand, medium plasticity, soft	
39				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist, 65% fines, 25% fine to coarse sand, 10% fine gravel, low plasticity, firm	
40				0		
				0	CLAYEY SAND (SC): gray (5Y 5/1), wet, 60% fine sand, 40% low plasticity fines	
41				0	LEAN CLAY (CL): greenish gray (5GY 5/1), moist, 95% fines, 5% fine sand, low plasticity, firm	
42				0	CLAYEY SAND (SC): wet SANDY LEAN CLAY (CL): moist	
43				0 0		
44				0	greenish gray (10GY 5/1) LEAN CLAY with SAND (CL): soft	
45				0		
46				0		
47				0	SANDY LEAN CLAY (CL): greenish gray (10Y 5/1), soft dark greenish gray (10Y 4/1), hard	
48				0	dark gray (5Y 4/1)	
49				0		
50				0	SANDY LEAN CLAY (CL): olive gray (5Y 4/2) mottled with dark greenish gray (5GY 4/1), moist, 70% fines, 30% fine sand, low plasticity, firm	
51						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-37 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	
					60% fines, 40% fine sand	
52				0	CLAYEY SAND (SC): wet	
53				0	dark gray (5Y 4/1), 70% fines, 30% fine sand	
54				0		
55				0	CLAYEY SAND (SC): dark greenish gray (5GY 4/1), wet, 75% fine sand, 25% medium plasticity fines	
56				0	SANDY LEAN CLAY (CL) SANDY LEAN CLAY (CL)	
57						
58					Bottom of boring at 58.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
59						
60						
61						
62						
63						
64						
65						
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68						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-38**
BORING LOCATION: Latitude: 37.7039920; Longitude: -121.9288751	ELEVATION AND DATUM: 342.35' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/28/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 15.7 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.35' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
				0	AGGREGATE BASE: (6 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
2				0		
				0		Boring location coordinates are based on North American Datum of 1983.
3				0		
				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 75% fines, 20% fine sand, 5% fine gravel, medium plasticity, firm	
4				0	very dark grayish brown (2.5Y 3/2)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5	SB-38-5.0			0	CLAYEY SAND (SC): dark yellowish brown (10YR 4/4), moist, 65% fine sand, 35% medium plasticity fines	
				0		
6				0		
				0		
7					60% fine sand, 40% fines	
				0		
8				0		
				0		
9				0	SANDY LEAN CLAY (CL): dark yellowish brown (10YR 4/4), moist, 55% fines, 45% fine sand, medium plasticity, firm	
10	SB-38-10.0			0		
11				0		
					CLAYEY SAND (SC)	
				0	LEAN CLAY with SAND (CL): dark yellowish brown (10YR 4/4), moist, 85% fines, 15% fine sand, medium plasticity, firm	
12				0		
13				0		Depth to water was measured using an electronic water level meter at 1402 on August 28, 2012: 13.3 feet bgs.
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-38 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	soft LEAN CLAY with SAND (CL): cont'd	
16				0	CLAYEY SAND (SC): dark yellowish brown (10YR 4/4), wet, 55% fine sand, 45% medium plasticity fines 65% sand, 35% fines	Grab groundwater sample SB-38 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
17				0		
				0		
18				0	SANDY LEAN CLAY (CL): dark yellowish brown (10YR 4/4), moist, 60% fines, 40% fine sand, medium plasticity, firm 70% fines, 30% sand	
				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-39**
BORING LOCATION: Latitude: 37.7039455; Longitude: -121.9288297	ELEVATION AND DATUM: 342.92' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/28/12 / DATE FINISHED: 8/28/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 18.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.92' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
				0	AGGREGATE BASE: (15 inches thick)	Hand augered to 5 feet bgs.
1						
				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2)	
2				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 85% fines, 10% fine sand, 5% fine gravel, medium plasticity, firm	
4				0		
				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5	SB-39-5.0			0	SANDY LEAN CLAY (CL): dark grayish brown (10YR 4/2), moist, 65% fines, 35% fine sand, trace fine gravel, medium plasticity, firm	
				0		
6				0	brown (10YR 4/3)	
				0		
7						
				0		
8				0		
9						
10	SB-39-10.0			0	olive brown (2.5Y 4/3)	
				0		
11					60% fines, 40% fine sand	
				0		
12					CLAYEY SAND (SC)	
				0		Depth to water was measured using an electronic water level meter at 1200 on August 28, 2012: 13.2 feet bgs.
13				0		
				0		
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-39 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd soft	
16				0		Grab groundwater sample SB-39 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
17				0		
18				0		
					CLAYEY SAND (SC): olive brown (2.5Y 4/3), wet, 75% fine to medium sand, 25% medium plasticity fines	
19				0	LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 75% fines, 25% fine sand, medium plasticity, firm	
20				0	Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-40**
BORING LOCATION: Latitude: 37.7038315; Longitude: -121.9288153	ELEVATION AND DATUM: 345.97' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/28/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: 16.5 / COMPL.: See remarks
SAMPLING METHOD: Hand auger	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 345.97' (NAVD 88)	REMARKS
				0	CONCRETE (5 inches thick)	
					AGGREGATE BASE: (4 inches thick)	
1				0	CLAYEY SAND with GRAVEL (SC): olive (5Y 5/3), moist, 65% fine to coarse sand, 20% fine to medium gravel, 15% medium plasticity fines [FILL]	Boring location coordinates are based on North American Datum of 1983.
				0		
2				0		
3				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
4				0		
5	SB-40-5.0	■		0	SANDY LEAN CLAY (CL): black (5Y 2.5/1), moist, 60% fines, 40% fine sand, low to medium plasticity, moist	
6				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 75% fines, 25% fine sand, medium plasticity	
7				0	dark grayish brown (2.5Y 4/2)	
8				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, 70% fines, 30% fine sand, medium plasticity	
9				0		
10	SB-40-10.0	■		0	65% fines, 35% fine sand	
11				0		
12				0	60% fines, 40% fine sand, soft	
13				0		
14				0	CLAYEY SAND (SC): olive brown (2.5Y 4/4), moist, 65% fine sand, 35% medium plasticity fines	
15				0	SANDY LEAN CLAY (CL): see next page	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-40 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): olive (5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, soft	Depth to water was measured using an electronic water level meter at 725 on August 29, 2012: 16.1 feet bgs.
16				0		
					CLAYEY SAND (SC): olive brown (2.5Y 4/3), wet, 55% fine to coarse sand, 40% medium plasticity fines, 5% fine gravel	
17				0		
					SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	Grab groundwater sample SB-40 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
18				0		
19						
				0		
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-41**
BORING LOCATION: Latitude: 37.7037485; Longitude: -121.9288503	ELEVATION AND DATUM: 345.97' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/28/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 19.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: 16.5 / COMPL.: See remarks
SAMPLING METHOD: Hand auger	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 345.97' (NAVD 88)	REMARKS
				0	CONCRETE (5 inches thick)	
					AGGREGATE BASE: (4 inches thick)	
1				0	CLAYEY SAND with GRAVEL (SC): olive (5Y 5/3), moist, 65% fine to coarse sand, 20% fine to coarse gravel, 15% medium plasticity fines [FILL]	Boring location coordinates are based on North American Datum of 1983.
				0		
2						
				0		
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
4				0	SANDY LEAN CLAY (CL): greenish gray (5G 5/1), moist, 55% fines, 45% fine sand, low plasticity, firm	
					black (5Y 2.5/1), 60% fines, 40% fine sand, medium plasticity	
5	SB-41-5.0	■		0		
				0		
6					LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 75% fines, 25% fine sand, medium plasticity, firm	
				0		
7						
				0		
8				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, 70% fines, 30% fine sand, medium plasticity, firm	
				0		
9						
				0	65% fines, 35% fine sand	
10	SB-41-10.0	■		0		
11				0		
				0	60% fines, 40% fine sand, soft	
12						
				0		
13					CLAYEY SAND (SC): olive brown (2.5Y 4/4), moist, 65% fine sand, 35% medium plasticity fines	
				0		
14						
				0		
15				0		

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-41 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
				0	SANDY LEAN CLAY (CL): olive (5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, soft		Depth to water was measured using an electronic water level meter at 758 on August 29, 2012: 16.1 feet bgs.
16				0			
				0	CLAYEY SAND (SC): olive brown (2.5Y 4/3), wet, 55% fine to coarse sand, 40% medium plasticity fines, 5% fine gravel		Grab groundwater sample SB-41 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 14 to 19 feet bgs.
17							
				0			
18				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm		
				0			
19					Bottom of boring at 19.0 feet		
20							Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-42**
BORING LOCATION: Latitude: 37.7037959; Longitude: -121.9291171	ELEVATION AND DATUM: 343.51' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/4/12 / DATE FINISHED: 9/4/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.51' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2.5 inches thick)	
				0	AGGREGATE BASE: (9.5 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 80% fines, 20% fine sand, medium plasticity, firm	
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0		
4				0	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
5				0		
				0	olive brown (2.5Y 4/3)	
6				0		
				0		
7				0		
				0		
8				0		
				0		
9				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 80% fines, 20% fine sand, medium plasticity, firm	
10				0		
				0		
11				0		
12				0	trace medium to coarse sand	
13				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	Depth to water was measured using an electronic water level meter at 1214 on September 4, 2012: 13.6 feet bgs.
14				0	light olive brown (2.5Y 5/3), 60% fines, 40% fine sand, soft	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-42 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	
16				0		Grab groundwater sample SB-42 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
				0		
17				0	LEAN CLAY with SAND (CL): light olive brown (2.5Y 5/3), moist, 80% fines, 20% fine sand, medium plasticity, soft	
				0		
18				0	85% fines, 15% fine sand LEAN CLAY (CL)	
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-43**
BORING LOCATION: Latitude: 37.7036675; Longitude: -121.9290493	ELEVATION AND DATUM: 343.74' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/4/12 / DATE FINISHED: 9/4/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 12.8 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.74' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
				0	AGGREGATE BASE: (9 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
2				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 85% fines, 15% fine sand, medium plasticity, firm	
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0		
4				0	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
				0		
5				0	LEAN CLAY with SAND (CL): brown (10YR 4/3), moist, 85% fines, 15% fine sand, medium plasticity, firm	
				0		
6						
				0		
7				0		
				0		
8				0	SANDY LEAN CLAY (CL): 65% fines, 35% fine sand	
9						
10				0	olive brown (2.5Y 4/4)	
11				0		
12				0	75% fines, 25% fine sand	
13				0	CLAYEY GRAVEL with SAND (GC): wet CLAYEY SAND (SC): wet, soft	Depth to water was measured using an electronic water level meter at 1547 on September 4, 2012: 14.7 feet bgs.
14				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist,70% fines, 30% fine sand, medium plasticity, firm	
15				0		

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-43 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	
				0		Grab groundwater sample SB-43 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
16						
					55% fines, 45% fine sand	
				0	LEAN CLAY with SAND (CL): light olive brown (2.5Y 5/3), moist, 85% fines, 15% fine sand, medium plasticity, firm?	
17						
				0	CLAYEY SAND (SC): wet	
				0	SANDY LEAN CLAY (CL)	
18						
				0	LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 90% fines, 10% fine sand, medium plasticity, firm	
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-44**
BORING LOCATION: Latitude: 37.7035800; Longitude: -121.9290079	ELEVATION AND DATUM: 343.55' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/4/12 / DATE FINISHED: 9/5/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: 12.3 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.55' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
				0	AGGREGATE BASE: (10 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		
				0	LEAN CLAY with SAND (CL): very dark gray (2.5Y 3/1), moist, 85% fines, 15% fine sand, medium plasticity, firm	
3						Boring location coordinates are based on North American Datum of 1983.
				0	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
4				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
5				0	LEAN CLAY with SAND (CL): brown (10YR 4/3), moist, 85% fines, 15% fine sand, medium plasticity, firm	
				0		
6						
				0		
7				0		
				0		
8						
				0		
9						
10				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, 65% fines, 30% fine to coarse sand, 5% fine gravel, medium plasticity, firm	
11				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/4), moist, 50% fines, 30% fine to coarse sand, 20% fine gravel, medium plasticity, firm	
				0		
12						
				0	CLAYEY SAND with GRAVEL (SC): olive brown (2.5Y 4/4), wet, 50% fine to coarse sand, 30% medium plasticity fines, 20% fine gravel	Depth to water was measured using an electronic water level meter at 752 on September 5, 2012: 13.6 feet bgs.
13				0		
				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, 70% fines, 30% fine sand, medium plasticity, soft	
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-44 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					SANDY LEAN CLAY (CL): cont'd 60% fines, 40% fine sand, very soft	Grab groundwater sample SB-44 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
16					55% fines, 45% fine sand	
17					CLAYEY SAND (SC): wet 70% fines, 30% fine sand	
18					LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 90% fines, 10% fine sand, firm	
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-45**
BORING LOCATION: Latitude: 37.7040038; Longitude: -121.9291975	ELEVATION AND DATUM: 344.23' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/4/12 / DATE FINISHED: 9/5/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 344.23' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
					AGGREGATE BASE: (12 inches thick)	Hand augered to 6 feet bgs.
1				0		
				0	LEAN CLAY (CL): very dark gray (10YR 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		
				0		Boring location coordinates are based on North American Datum of 1983.
3						
				0	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 85% fines, 15% fine sand, medium plasticity, firm	
4				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, soft	
6				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 85% fines, 15% fine sand, medium plasticity, stiff	
				0		
7						
				0		
8				0	80% fines, 20% fine sand, firm	
				0		
9						
				0		
10						
				0		
11				0		
				0		
12					LEAN CLAY (CL): brown (2.5Y 4/3), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		Depth to water was measured using an electronic water level meter at 832 on September 9, 2012: 14.0 feet bgs.
13						
				0		
14				0		
				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-45 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY (CL): cont'd	
16				0	LEAN CLAY with SAND (CL): light olive brown (2.5Y 5/4), moist, 85% fines, 15% fine sand, medium plasticity, firm	Grab groundwater sample SB-45 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
17				0	80% fines, 20% fine sand	
				0		
18					SANDY LEAN CLAY (CL): 60% fines, 40% fine sand, soft	
				0		
19				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
20				0	Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-46**
BORING LOCATION: Latitude: 37.7041269; Longitude: -121.9289797	ELEVATION AND DATUM: 342.25' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/4/12 / DATE FINISHED: 9/5/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.25' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2.5 inches thick)	
					AGGREGATE BASE: (7.5 inches thick)	Hand augered to 5.3 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
2					LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 85% fines, 15% fine sand, medium plasticity, firm	
				0		
3				0		Boring location coordinates are based on North American Datum of 1983.
				0	olive brown (2.5Y 4/3)	
4						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
5				0		
6				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
				0		
7					LEAN CLAY (CL): olive brown (2.5Y 4/4), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
8				0		
				0		
9						
10				0		
				0	LEAN CLAY with SAND (CL)	
11				0		
12				0		Depth to water was measured using an electronic water level meter at 902 on September 5, 2012: 12.3 feet bgs.
				0.3	very dark greenish gray (10Y 3/1), soft, odor	
13	SB-46-13.8			3.1		
14				2.8	olive brown (2.5Y 4/4), firm, no odor	
				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-46 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/4), moist, 85% fine to medium sand, medium plasticity, firm	
16				0	SANDY LEAN CLAY (CL): soft 75% fines, 25% fine to medium sand, firm	Grab groundwater sample SB-46 collected through 5 feet of 0.75-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
17				0		
18				0	LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fine sand, medium plasticity, firm	
19				0		
20				0		
					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-01**
BORING LOCATION: Latitude: 37.7042272; Longitude: -121.9287318	ELEVATION AND DATUM: 341.41' (NAVD 88)
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 341.41' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (5 inches thick)	
1				0	LEAN CLAY with SAND (CL): black (10YR 2/1), moist, 85% fines, 15% fine sand, low to medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2				0	brown (7.5YR 5/2) mottled with black (7.5YR 2.5/1), 75% fines, 25% fine sand, medium plasticity, soft	
3				0		
4				0	brown (7.5YR 5/2), trace cobbles	
5				0		
6				0	SANDY LEAN CLAY (CL): brown (7.5YR 5/2), moist, 70% fines, 25% fine to medium sand, 5% coarse gravel, medium plasticity, firm POORLY-GRADED SAND (SP): yellow (10YR 7/6)	
7					Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-02**
BORING LOCATION: Latitude: 37.7041038; Longitude: -121.9286820	ELEVATION AND DATUM: 341.70' (NAVD 88)
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 341.70' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (3 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	LEAN CLAY with SAND (CL): black (10YR 2/1), moist, 85% fines, 15% fine sand, low to medium to low plasticity, firm	
				0		
2					dark brown (7.5YR 3/2)	
				0		
3				0		
				0		
4					brown (7.5YR 5/2), 75% fines, 25% fine sand, medium plasticity, soft	
				0		
5					CLAYEY SAND (SC): yellowish brown (10YR 5/6), moist, 60% fine sand, 40% low plasticity fines	
				0		
6				0	Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-03**
BORING LOCATION: Latitude: 37.7039286; Longitude: -121.9286802	ELEVATION AND DATUM: 342.82' (NAVD 88)
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.82' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (3 inches thick)	
					AGGREGATE BASE: (10 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	LEAN CLAY with SAND (CL): black (10YR 5/2), moist, 85% fines, 15% fine sand, low to medium plasticity, firm	
2				0		
3				0		
4				0	brown (7.5YR 5/2), 75% fines, 25% fine sand	
5					SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 60% fines, 40% fine sand, trace gravel, medium plasticity, soft	
6					Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-04**
BORING LOCATION: Latitude: 37.7037812; Longitude: -121.9285111	ELEVATION AND DATUM: 344.00' (NAVD 88)
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 344.00' (NAVD 88)	REMARKS
				1.5	ASPHALTIC CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (6 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2) mottled with olive yellow (2.5Y 6/6), moist, 70% fines, 30% fine to medium sand, trace gravel, medium plasticity, firm	
2				0		
3				0	LEAN CLAY with SAND (CL): black (10YR 2/1), moist, 85% fines, 15% fine sand, medium to low plasticity, firm	
4				0		
5				0		
6				0	Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-05**
BORING LOCATION: Latitude: 37.7036391; Longitude: -121.9285111	ELEVATION AND DATUM: 343.93' (NAVD 88)
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.93' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (3 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	CLAYEY GRAVEL (GC): light olive brown (2.5Y 5/4), moist, 60% fine to coarse gravel, 30% medium plasticity fines, 10% fine to coarse sand	
2				0		
3				0		
					CLAYEY SAND with GRAVEL (SC)	
4				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, low to medium plasticity, firm	
5				0		
					mottled with yellowish red (5YR 5/8), medium plasticity, soft	
6				0	Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-06**
BORING LOCATION: 40' from W wall and 32' from N wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 6.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE: (5 inches thick)	
				0	SANDY LEAN CLAY with GRAVEL (CL): yellowish brown (10YR 5/4), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0		
2				0		
3				0	dark greenish gray (5GY 4/1)	
4				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, low to medium plasticity, firm	
5				0		
6					Bottom of boring at 6.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-07**
BORING LOCATION: 87' from W wall and 32' from N wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE: (2 inches thick)	
				0	SANDY LEAN CLAY with GRAVEL (CL): yellowish brown (10YR 5/4), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0		
2				0		
3				0		
4				0	light olive brown (2.5Y 5/3)	
				0	LEAN CLAY (CL)	
5					Bottom of boring at 5.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-08**
BORING LOCATION: 130' from W wall and 32' from N wall of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Pacific NW Drilling, Inc.	DATE STARTED: 6/6/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (3.5 inches thick)	
1				0	SANDY LEAN CLAY with GRAVEL (CL): yellowish brown (10YR 5/4), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2				0		
3				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2) mottled with yellowish brown (10YR 5/6), moist, 60% fines, 30% fine to coarse sand, 10% fine to coarse gravel, medium plasticity, firm	
				0		
4				0		
				0	dark greenish gray (5GY 4/1) LEAN CLAY (CL)	
5					Bottom of boring at 5.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-09**
BORING LOCATION: Latitude: 37.7025430; Longitude: -121.9283275	ELEVATION AND DATUM: 344.63' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/29/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 344.63' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
1				0	POORLY-GRADED SAND with CLAY and GRAVEL (SP-SC): dark grayish brown (2.5Y 34/2), moist, 55% fine to coarse sand, 35% fine to coarse gravel, 10% low plasticity fines	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		
				0	LEAN CLAY with SAND (CL): very dark grayish brown (10YR 3/2), moist, 75% fines, 25% fine sand, medium plasticity, firm	
3				0		
				0		
4				0		
				0	SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 60% fines, 40% fine to medium sand, low plasticity, soft	
5				0		
				0	Bottom of boring at 5.5 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-10**
BORING LOCATION: Latitude: 37.7025613; Longitude: -121.9282033	ELEVATION AND DATUM: 344.90' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/29/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 344.90' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (4 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
				0		
2					very dark brown (10YR 2/2)	
				0		
3					LEAN CLAY with SAND (CL): very dark gray (10YR 3/1), moist, 80% fines, 20% fine sand, medium plasticity, firm	
				0		
4				0	75% fines, 25% fine sand, soft	
5				0	SANDY LEAN CLAY (CL): very dark gray (10YR 3/1), moist, 70% fines, 30% fine sand, medium plasticity, soft brown (10YR 5/3)	
6					Bottom of boring at 5.5 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-11**	
BORING LOCATION: Latitude: 37.7024738; Longitude: -121.9282440	ELEVATION AND DATUM: 345.40' (NAVD 88)	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/29/12	DATE FINISHED: 8/29/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 5.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 345.40' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (6 inches thick)	
1				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2				0		
				0	LEAN CLAY with SAND (CL): very dark brown (10YR 2/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
3				0		
4				0	SANDY LEAN CLAY (CL): very dark grayish brown (10YR 3/2), moist, 70% fines, 30% fine sand, medium plasticity, firm	
5				0	CLAYEY GRAVEL with SAND (GC): dark grayish brown (10YR 4/2), moist, 50% fine to coarse gravel, 30% fine to coarse sand, 20% low plasticity fines	
6					Bottom of boring at 5.5 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-12**
BORING LOCATION: Latitude: 37.7024188; Longitude: -121.9283856	ELEVATION AND DATUM: 345.68' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/29/12 / DATE FINISHED: 8/29/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 8.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 345.68' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2 inches thick)	
				0	AGGREGATE BASE: (6 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1					LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 85% fines, 15% fine sand, medium plasticity, hard	
				0		
2					dark grayish brown (2.5Y 4/2), 75% fines, 25% fine to medium sand	
3				0		Hand augered to 5.5 feet bgs.
4				0	SANDY LEAN CLAY with GRAVEL (CL): dark grayish brown (2.5Y 4/2), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, low plasticity, soft	
				0	CLAYEY SAND with GRAVEL (SC): dark grayish brown (2.5Y 4/2), moist, 40% fine to coarse sand, 30% fine to coarse gravel, 30% medium plasticity fines	
5				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel	
6				0	dark olive brown (2.5Y 3/3)	
7				0	light olive brown (2.5Y 5/3)	
8					Bottom of boring at 8.0 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-13**
BORING LOCATION: Latitude: 37.7043797; Longitude: -121.9279931	ELEVATION AND DATUM: 339.71' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/31/12 / DATE FINISHED: 8/31/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 8.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 339.71' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (3 inches thick)	
1				0	LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, low plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2				0		
3				0	olive brown (2.5Y 4/3)	
4				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 65% fines, 35% fine to medium sand, medium plasticity, soft	
5				0		
6				0	LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2)	
7				0		
8				0	LEAN CLAY with SAND (CL): light olive brown (2.5Y 5/3), moist, 80% fines, 20% fine sand, medium plasticity, firm olive brown (2.5Y 4/3)	
9					Bottom of boring at 8.5 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-14**
BORING LOCATION: Latitude: 37.7042667; Longitude: -121.9279383	ELEVATION AND DATUM: 340.80' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/31/12 / DATE FINISHED: 8/31/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 8.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 340.80' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (3 inches thick)	
1				0	CLAYEY SAND with GRAVEL (SC): light olive brown (2.5Y 5/3), moist, 40% fine to coarse sand, 30% medium plasticity fines, 30% fine to coarse gravel	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
2				0	LEAN CLAY (CL): very dark gray (2.5Y 3/1)	
					LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
3				0		
4				0		
5				0	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
6				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 65% fines, 35% fine sand, medium plasticity, soft	
7				0	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
					SANDY LEAN CLAY (CL)	
8				0	olive brown (2.5Y 4/3)	
					Bottom of boring at 8.5 feet	Temporary soil vapor probe installed in boring to be destroyed at a later date.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California		**Log of Boring No. SG-15**	
BORING LOCATION: Latitude: 37.7041261; Longitude: -121.9278699		ELEVATION AND DATUM: 341.66' (NAVD 88)	
DRILLING CONTRACTOR: PeneCore Drilling		DATE STARTED: 8/31/12	DATE FINISHED: 8/31/12
DRILLING METHOD: Hand auger		TOTAL DEPTH (ft.): 8.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger		DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger		LOGGED BY: N. Fitch	
HAMMER WEIGHT: NA	DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 341.66' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2.5 inches thick)	
					AGGREGATE BASE: (4 inches thick)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
1				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
2				0		
3				0	LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
4				0		
5				0		
					LEAN CLAY with SAND (CL): dark gray (2.5Y 4/1), moist, 75% fines, 25% fine sand, medium plasticity, firm	Temporary soil vapor probe installed in boring to be destroyed at a later date.
6				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 65% fines, 35% fine to medium sand, medium plasticity, soft	
7				0		
8				0		
					Bottom of boring at 8.5 feet	
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SG-16**
BORING LOCATION: Latitude: 37.7039986; Longitude: -121.9278086	ELEVATION AND DATUM: 342.03' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/31/12 / DATE FINISHED: 8/31/12
DRILLING METHOD: Hand auger	TOTAL DEPTH (ft.): 8.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Hand auger	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Hand auger	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

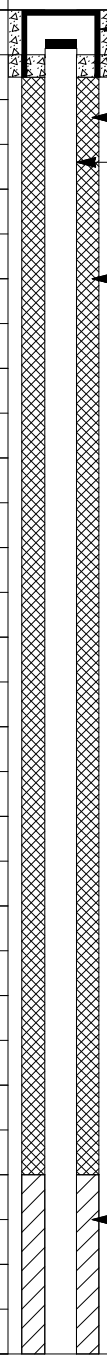
DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.03' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (4 inches thick)	
1					CLAYEY SAND with GRAVEL (SC): light olive brown (2.5Y 5/4), moist, 40% fine to coarse sand, 30% fine to coarse gravel, 30% medium plasticity fines	
2					LEAN CLAY (CL): very dark gray (3/1)	
3						
					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
4						
					very dark grayish brown (2.5Y 3/2)	
5						
6					dark grayish brown (2.5Y 4/2)	Temporary soil vapor probe installed in boring to be destroyed at a later date.
7						
					LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 75% fines, 25% fine to medium sand, medium plasticity, firm	
8						
					SANDY LEAN CLAY (CL): soft	
9					Bottom of boring at 8.5 feet	
10						
11						
12						
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MW-01**
BORING LOCATION: Latitude: 37.7039053; Longitude: -121.9287798	TOP OF CASING ELEVATION AND DATUM: 344.24' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/29/12 / DATE FINISHED: 8/30/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 22.0 / SCREEN INTERVAL (ft.): 16.2-20.9
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.): FIRST 20.5, COMPL. 14.64 / CASING: 3/4" Sch. 40 PVC
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.60' (NAVD 88)
				0	ASPHALTIC CONCRETE: (4 inches thick)
				0	AGGREGATE BASE: (8 inches thick)
1					ASPHALTIC CONCRETE: (2 inches thick)
				0	AGGREGATE BASE (10 inches thick)
2				0	LEAN CLAY (CL): black (2.5Y 2.5/1)
				0	CLAYEY SAND with GRAVEL (SC): olive brown (2.5Y 4/3), moist, 40% fine to coarse sand, 30% fine to coarse gravel, 30% medium plasticity fines
3				0	
				0	LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm
4					
				0	
5					LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 75% fines, 25% fine sand, medium plasticity, firm
				0	
6					SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 70% fines, 30% fine sand, medium plasticity, firm
				0	
7					
				0	light olive brown (2.5Y 5/3)
8					
				0	
9					trace gravel, soft
				0	
10					60% fines, 40% fine sand
				0	
11				0	
12				0	
13				0	55% fines, 45% fine sand
14				0	
				0	LEAN CLAY with SAND (CL): see next page
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.

OAKWELLV_PPACKTOC (REV 10/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MW-01 (cont'd)

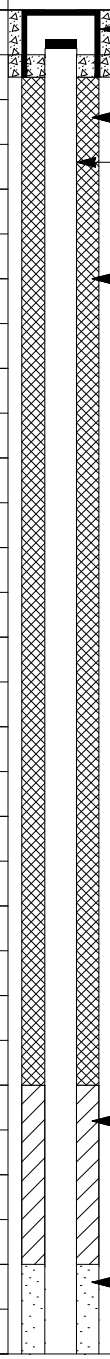
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	LEAN CLAY with SAND (CL): dark gray (2.5Y 4/1), moist, 85% fines, 15% fine sand, medium plasticity, firm	#2/12 filter pack sand
16				0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
17				0	55% fines, 45% fine sand, soft	Schedule 40 PVC pre-pack well screen with 3/4" (nominal) inner screen and stainless steel mesh outer screen, 0.010" slot and #2/16 pre-pack filter pack sand
18				0	55% fines, 45% fine sand, soft	
19				0		
20				0	60% fines, 40% fine sand, firm	
21				0	CLAYEY SAND (SC): grayish brown (2.5Y 5/2), wet LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 90% fines, 10% fine san, medium plasticity, firm	Schedule 40 PVC endcap Native material
22					Bottom of boring at 22.0 feet	
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKWELLV_PPACKTOC (REV 10/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MW-02**
BORING LOCATION: Latitude: 37.7042689; Longitude: -121.9284035	TOP OF CASING ELEVATION AND DATUM: 340.24' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/30/12 / DATE FINISHED: 8/30/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.2 / SCREEN INTERVAL (ft.): 15.2-19.9
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.): FIRST NA, COMPL. 10.90 / CASING: 3/4" Sch. 40 PVC
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.34' (NAVD 88)
				0	ASPHALTIC CONCRETE: (5 inches thick)
					AGGREGATE BASE: (3 inches thick)
1				0.1	LEAN CLAY (CL): very dark gray (2.5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, hard
2				0.7	
3				0.3	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/4), moist, 80% fines, 20% fine to medium sand, medium plasticity, firm
4				1.1	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/3), moist, 55% fines, 30% fine to coarse sand, 15% fine gravel, medium plasticity, firm
5				0.6	
				0.9	
6					LEAN CLAY (CL): olive gray (5Y 5/2), moist, 90% fines, 10% fine sand, medium plasticity, soft
7					
8					
9					
10					
11	MW-02-11.0			603	firm odor no odor
12				6.9	
13				3.1	
14				0	
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.

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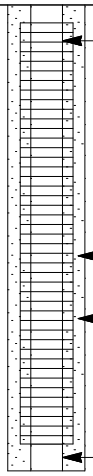
PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MW-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0.6	LEAN CLAY (CL): cont'd	
16				0	LEAN CLAY with SAND (CL): olive gray (5Y 5/2), moist, 75% fines, 25% fine sand, medium plasticity, firm	
17				0	SANDY LEAN CLAY (CL): soft olive gray (5Y 5/2) mottled with yellowish brown (10YR 5/4)	
18				0		
19				0		
20					Bottom of boring at 20.0 feet	
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						



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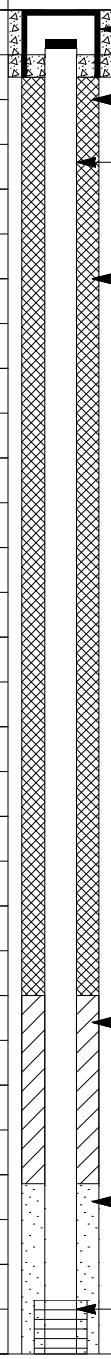
PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MW-03**
BORING LOCATION: Latitude: 37.7038200; Longitude: -121.9279928	TOP OF CASING ELEVATION AND DATUM: 343.77' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 8/30/12 / DATE FINISHED: 8/30/12
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / SCREEN INTERVAL (ft.): 14.4-19.1
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.): FIRST 15.0, COMPL. 14.62 / CASING: 3/4" Sch. 40 PVC
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 3.25"]	LOGGED BY: N. Fitch
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.15' (NAVD 88)
					CONCRETE: (7 inches thick)
					AGGREGATE BASE: (6 inches thick)
1				0	LEAN CLAY (CL): black (N 2.5/) with greenish gray (10GY 5/1), moist, 90% fines, 10% fine sand, trace fine gravel, medium plasticity, firm
2				0	
3				0	GRAVELLY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 55% fines, 25% fine to coarse gravel, 20% fine to coarse sand, medium plasticity;, soft
4				0	CLAYEY SAND with GRAVEL (GC): grayish brown (2.5Y 5/2), moist, 40% fine to coarse sand, 30% fine to coarse gravel, 30% medium plasticity fines
					SANDY LEAN CLAY (CL): olive gray (5Y 5/2) with chunks of lean clay, black (5Y 2.5/1), moist, 60% fines, 30% fine to coarse sand, 10% fine gravel
5				0	CLAYEY GRAVEL with SAND (SC)
6				0	LEAN CLAY (CL): black (5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm
7				0	
8				0	LEAN CLAY with SAND (CL): dark gray (5Y 4/1), moist, 80% fines, 20% fine sand, medium plasticity, firm
9				0	olive gray (5Y 5/2), 75% fines, 25% fine to medium sand
10				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 70% fines, 30% fine to medium sand, medium plasticity, firm
11				0	
12				0	60% fines, 40% fine sand, soft
13				0	
14				0	
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

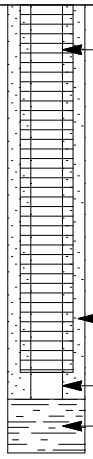


Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MW-03 (cont'd)

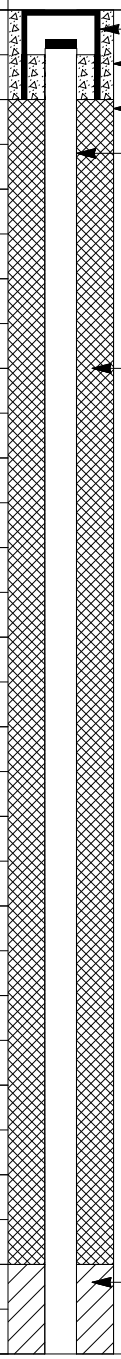
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 60% fine to coarse sand, 35% medium plasticity fines, 5% fine gravel	Schedule 40 PVC pre-pack well screen with 3/4" (nominal) inner screen and stainless steel mesh outer screen, 0.010" slot and #2/16 pre-pack filter pack sand
16					LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
17					soft	
18						3.25" diameter borehole
19						Schedule 40 PVC endcap
20					Bottom of boring at 20.0 feet	Native material
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						



PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MP-01**
BORING LOCATION: Latitude: 37.7038733; Longitude: -121.9291449	TOP OF CASING ELEVATION AND DATUM: 343.20' (NAVD 88)
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/29/12 / DATE FINISHED: 8/30/12
DRILLING METHOD: Resonant sonic	TOTAL DEPTH (ft.): 60.0 / SCREEN INTERVAL (ft.): See notes
DRILLING EQUIPMENT: Gus Pech CS-500	DEPTH TO WATER (ft.): FIRST 43.0, COMPL. 13.33 / CASING: 1.1" HDPE
SAMPLING METHOD: Sonic core barrel [10' x 4.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.87' (NAVD 88)
					ASPHALTIC CONCRETE: (3 inches thick
				0	AGGREGATE BASE: (3 inches thick)
1					LEAN CLAY (CL): black (10YR 2/1), moist, 85% fines, 15% fine sand, medium to low plasticity, firm
				0	
2					
				0	dark brown (10YR 3/3), trace fine gravel
3					SANDY LEAN CLAY (CL): brown (10YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm
				0	
4					
				0	
5					dark grayish brown (10YR 4/2), trace gravel
				0	
6					brown (10YR 4/3), 60% fines, 40% fine sand, no gravel
				0	
7					
				0	
8				0	
9				0	
10				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, soft
				0	
11					
				0	
12					very soft
				0	
13				0	
14				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 70% fines, 30% fine sand, trace medium to coarse sand, firm
				0	
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



- Traffic Rated Well Box
- Concrete
- 6" diameter borehole
- 1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
- Neat cement grout
- Bentonite chip seal

Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.
4. Screened intervals from 17.3-17.6, 43.2-43.5, 58.1-58.4 feet bgs.

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-01 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	6" diameter borehole
16				0		
				0		#2/12 filter pack sand
17				0		Channel #1 port wrapped with 60-mesh stainless steel screen
18				0		
19				0		
				0	olive brown (2.5Y 4/3), no coarse sand, very soft	
20				0		
21				0		
22				0		Bentonite chip seal
23				0		
				0	trace coarse sand	
24				0		1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
25				0		
26				0		
27				0		
28				0	LEAN CLAY with SAND (CL): very dark gray (10YR 3/1), moist, 85% fines, 15% fine sand, trace medium to coarse sand, medium plasticity, firm	
29				0		
30				0		
31				0		
32				0		
33				0		

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-01 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	LEAN CLAY with SAND (CL): cont'd	Bentonite chip seal
34				0	SANDY LEAN CLAY (CL): olive (5Y 5/3), moist, 70% fines, 30% fine sand, medium plasticity, soft	6" diameter borehole
35				0		
36				0		1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
37				0	LEAN CLAY with SAND (CL): olive (5Y 5/3), moist, 85% fines, 15% fine sand, medium plasticity, firm	
38				0		
39				0		
				0		
40					75% fines, 25% fine sand	
				0		
41						
				0		
42				0		
				0		#2/12 filter pack sand
43					CLAYEY SAND (SC): olive gray (5Y 5/2), wet, 80% fine sand, 20% medium plasticity fines	Channel #2 port wrapped with 60-mesh stainless steel screen
				0		
44				0 0	LEAN CLAY (CL): olive gray (5Y 5/2), moist, 95% fines, 5% fine sand, medium to low plasticity, hard	
45					LEAN CLAY with SAND (CL): olive gray (5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, soft	
46						
				0		
47						
				0	85% fines, 15% fine sand	
48						
				0		
49						
				0		
50				0		
51						

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-01 (cont'd)

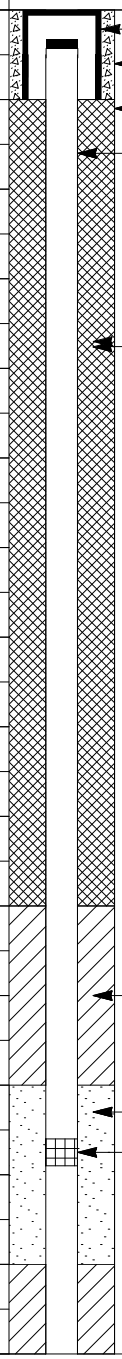
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					LEAN CLAY with SAND (CL): cont'd	6" diameter borehole Bentonite chip seal
52						
53					SANDY LEAN CLAY (CL): dark gray (5Y 4/1), moist, 70% fines, 30% fine to medium sand, low plasticity, firm	1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
54					SILTY SAND with GRAVEL (SM): dark gray (5Y 4/1), wet, 60% fine to coarse sand, 30% fine gravel, 10% low plasticity fines	
55						
56					SANDY LEAN CLAY (CL)	
57					CLAYEY SAND (SC): dark gray (5Y 4/1), wet, 75% fine sand, 25% medium plasticity fines	#2/12 filter pack sand
58					POORLY-GRADED SAND with CLAY (SP-SC)	Channel #3 port wrapped with 60-mesh stainless steel screen
59						Endcap
60					Bottom of boring at 60.0 feet	
61						
62						
63						
64						
65						
66						
67						
68						
69						

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MP-02**
BORING LOCATION: Latitude: 37.7041385; Longitude: -121.9283262	TOP OF CASING ELEVATION AND DATUM: 341.15' (NAVD 88)
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/30/12 / DATE FINISHED: 8/31/12
DRILLING METHOD: Resonant sonic	TOTAL DEPTH (ft.): 60.0 / SCREEN INTERVAL (ft.): See notes
DRILLING EQUIPMENT: Gus Pech CS-500	DEPTH TO WATER (ft.): FIRST 54.0, COMPL. 11.83 / CASING: 1.1" HDPE
SAMPLING METHOD: Sonic core barrel [10' x 4.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.32' (NAVD 88)
				0	ASPHALTIC CONCRETE: (2.5 inches thick)
				0	AGGREGATE BASE: (7 inches thick)
1				0	SANDY LEAN CLAY (CL): olive (5Y 4/4), moist, 65% fines, 30% fine to coarse sand, 5% fine gravel, medium plasticity, firm
2				0	
				0	SANDY LEAN CLAY with GRAVEL (CL)
3				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm
4				0	
5				0.8	
				0	
6				0	CLAYEY SAND with GRAVEL (SC)
7				0	LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 85% fines, 15% fine sand, medium plasticity, hard
8				0	
9				0	SANDY LEAN CLAY (CL): olive gray (5Y 4/2), moist, 70% fines, 30% fine sand, medium plasticity, firm
10				0.2	soft
11				0	
12				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 85% fines, 15% fine sand, medium plasticity, firm
13				0	SANDY LEAN CLAY (CL): 65% fines, 35% fine sand, trace medium to coarse sand
14				0	
15				0	

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5.3 feet bgs.
4. Screened intervals from 12.6-12.9, 36.4-36.7, 57.5-57.8 feet bgs.

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	LEAN CLAY with SAND (CL): cont'd	6" diameter borehole
					soft	
16				0		Bentonite chip seal
17					firm	
				0		
18						1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
				0		
19						
				0		
20						
21						
22						
23						
24						
25				0	trace medium to coarse sand	
26				0		
27				0		
28				0	75% fines, 25% fine sand, soft	
29				0		
30				0	olive gray (5Y 5/2)	
31				0	SANDY LEAN CLAY (CL)	
					85% fines, 15% fine to medium sand	
32				0		
				0		
33						

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PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					LEAN CLAY with SAND (CL): cont'd	Bentonite chip seal
34				0		6" diameter borehole
35				0		1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
36				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist, 55% fines, 45% fine sand, trace medium to coarse sand, medium plasticity, soft	Channel #2 port wrapped with 60-mesh stainless steel screen
37				0	CLAYEY SAND (SC) 65% fines, 35% fine sand	#2/12 filter pack sand
38				0		
39				0	trace fine gravel	Bentonite chip seal
40				0	70% fines, 30% fine sand	
41				0		
42				0	LEAN CLAY with SAND (CL): olive gray (5Y 5/2), moist, 85% fines, 15% fine sand, medium plasticity, soft	
43				0	LEAN CLAY (CL): dark greenish gray (10GY 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
44				0		
45				0		
46				0		
47				0	LEAN CLAY with SAND (CL)	
48				0		
49				0		
50				0	SANDY LEAN CLAY (CL): see next page	
51						

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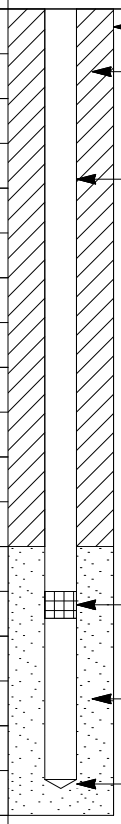
PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					SANDY LEAN CLAY (CL): dark gray (5Y 4/1), moist, 70% fines, 30% fine sand, medium plasticity, soft	6" diameter borehole Bentonite chip seal
52				0		
53				0	60% fines, 40% clay	1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
54				0	CLAYEY SAND (SC): dark gray (5Y 4/1), wet, 55% fine sand, 45% medium plasticity fines	
55				0		
56				0	75% fine to coarse sand, 30% fines	
57				0		
58				0	65% fine sand, 35% fines	Channel #3 port wrapped with 60-mesh stainless steel screen #2/12 filter pack sand
59				0		
60				0	Bottom of boring at 60.0 feet	Endcap
61						
62						
63						
64						
65						
66						
67						
68						
69						



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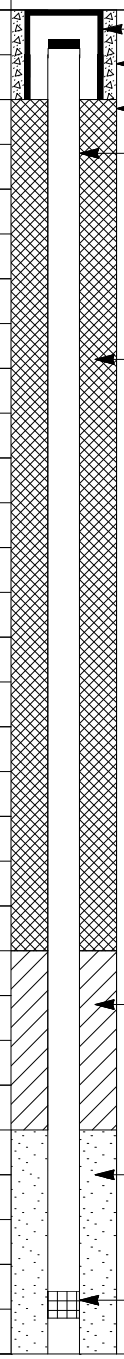
PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MP-03**
BORING LOCATION: Latitude: 37.7039755; Longitude: -121.9282249	TOP OF CASING ELEVATION AND DATUM: 342.21' (NAVD 88)
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/30/12 / DATE FINISHED: 8/30/12
DRILLING METHOD: Resonant sonic	TOTAL DEPTH (ft.): 60.0 / SCREEN INTERVAL (ft.): See notes
DRILLING EQUIPMENT: Gus Pech CS-500	DEPTH TO WATER (ft.): FIRST 14.0, COMPL. 12.94 / CASING: 1.1" HDPE
SAMPLING METHOD: Sonic core barrel [10' x 4.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 329.27' (NAVD 88)
					ASPHALTIC CONCRETE: (2.5 inches thick
				0	AGGREGATE BASE: (8.5 inches thick)
1				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 65% fines, 30% fine to coarse sand, 5% fine gravel, medium plasticity, firm
2				0	
3				0.7	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm
				0.3	
4				0.6	
				0.2	
5				3.4	
6				0.3	CLAYEY SAND with GRAVEL (SC)
				0	
7					LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 75% fines, 25% fine to coarse sand, trace fine gravel, medium plasticity, firm
8				0.1	
9				0	SANDY LEAN CLAY (CL): olive gray (5Y 4/2), moist, 70% fines, 30% fine to medium sand, trace fine gravel, medium plasticity, firm
				0	
10				1.8	60% fines, 40% fine sand
11				0	
12				12.5	
13				2.9	
14				3.3	CLAYEY GRAVEL with SAND (GC): dark gray (5Y 4/1), wet, 65% fine to medium gravel, 20% fine to coarse sand, 15% medium plasticity fines
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.
4. Screened intervals from 14.3-14.6, 42.9-43.2, 57.8-58.1 feet bgs.

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-03 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					LEAN CLAY (CL): olive gray (5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	6" diameter borehole
16				0.5		#2/12 filter pack sand
17				0		
18				0	SANDY LEAN CLAY (CL): olive (5Y 4/4), moist, 70% fines, 30% fine sand, trace fine gravel, medium plasticity, firm	Bentonite chip seal
19				0		
20				0		1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
21				0	LEAN CLAY (CL)	
22				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/4), moist, 85% fines, 15% fine sand, medium plasticity, soft	
23				0		
24				0		
25				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), 90% fines, 10% fine sand, trace medium to coarse sand, medium plasticity, hard	
26				0		
27				0	firm	
28				0	no medium to coarse sand	
29				0		
30				0		
31				0		
32				0		
33				0	95% fines, 5% fine to coarse sand, hard	

OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-03 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					LEAN CLAY (CL): cont'd	Bentonite chip seal
34				0	85% fines, 15% fine sand, firm	6" diameter borehole
35				0		
36				0	95% fines, 5% fine sand	1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
37				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 70% fines, 30% fine to coarse sand, trace fine gravel, medium plasticity, soft	
38				0		
39				0		
40				0	60% fines, 40% fine sand	
41				0		
42				0		
43				0	CLAYEY SAND (SC)	Channel #2 port wrapped with 60-mesh stainless steel screen
44				0	LEAN CLAY (CL): dark greenish gray (10Y 4/1), moist, 90% fines, 10% fine sand, low plasticity, firm	#2/12 filter pack sand
45				0		
46				0		Bentonite chip seal
47				0	trace medium to coarse sand	
48				0	no medium to coarse sand, hard	
49				0		
50				0		
51				0	LEAN CLAY with SAND (CL): see next page	

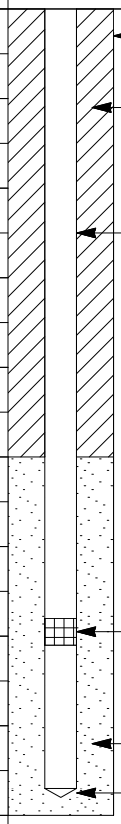
OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-03 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
52				0	LEAN CLAY with SAND (CL): dark greenish gray (10Y 4/1), moist, 85% fines, 15% fine sand, medium plasticity, firm
53				0	
54				0	SANDY LEAN CLAY (CL)
55				0	CLAYEY SAND with GRAVEL (SC)
56				0	CLAYEY GRAVEL with SAND (GC): dark grayish brown (10YR 4/2), wet, 45% fine gravel, 40% fine to coarse sand, 15% medium plasticity fines
57				0	CLAYEY SAND (SC): dark greenish gray (5GY 4/1), wet, 75% fine sand, 25% medium plasticity fines
58				0	
59				0	
60				0	Bottom of boring at 60.0 feet
61					
62					
63					
64					
65					
66					
67					
68					
69					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

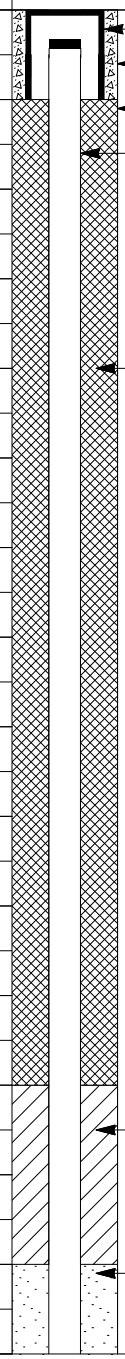


OAKWELLV_TOC (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Well No. MP-04**
BORING LOCATION: Latitude: 37.7041035; Longitude: -121.9278821	TOP OF CASING ELEVATION AND DATUM: 341.22' (NAVD 88)
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/31/12 / DATE FINISHED: 8/31/12
DRILLING METHOD: Resonant sonic	TOTAL DEPTH (ft.): 60.5 / SCREEN INTERVAL (ft.): See notes
DRILLING EQUIPMENT: Gus Pech CS-500	DEPTH TO WATER (ft.): FIRST 19.6, COMPL. 12.41 / CASING: 1.1" HDPE
SAMPLING METHOD: Sonic core barrel [10' x 4.25"]	LOGGED BY: H. Young
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 328.81' (NAVD 88)
					ASPHALTIC CONCRETE: (2.5 inches thick
					AGGREGATE BASE: (7.5 inches thick)
1				0	LEAN CLAY (CL)
					SANDY LEAN CLAY (CL): olive (5Y 4/4), moist, 65% fines, 30% fine sand, 5% fine gravel, medium plasticity, firm
2				0	
3				0	
					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm
4				0	
				0	LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 85% fines, 15% fine sand, medium plasticity, firm
5					
				0	
6					
7				0	
					CLAYEY SAND with GRAVEL (SC): olive (5Y 5/4), moist, 55% fine to coarse sand, 30% medium plasticity fines, 15% fine gravel
8				0	
9				0	
					LEAN CLAY (CL): black (5Y 2.5/1), moist, 90% fine, 10% fine sand, medium plasticity, firm
10				0.4	
					SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 70% fines, 30% fine sand, medium plasticity, soft
11				0	
				0	LEAN CLAY with SAND (CL)
12					60% fines, 40% fine sand
				0.1	
13					
				0	
14				0	
				0	
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



- Traffic Rated Well Box
- Concrete
- 6" diameter borehole
- 1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
- Neat cement grout
- Bentonite chip seal
- #2/12 filter pack sand

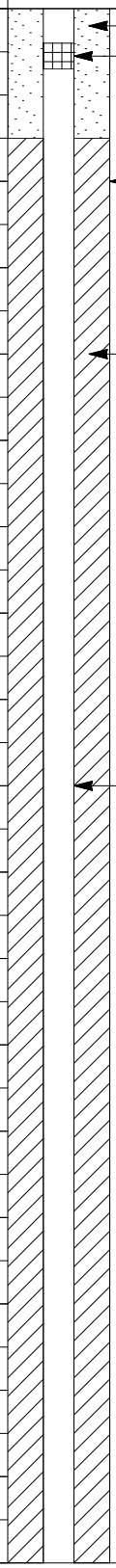
Notes:
1. Boring location coordinates are based on North American Datum of 1983.
2. OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3. Hand augered to 5 feet bgs.
4. Screened intervals from 17.3-17.6, 43.2-43.5, 58.1-58.4 feet bgs.

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-04 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
				0	70% fines, 30% fine sand, firm
					SANDY LEAN CLAY (CL): cont'd
16				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm
17				0	
18				0	
19				0	
					LEAN CLAY with SAND (CL)
					CLAYEY SAND (SC): wet
20				0	SANDY LEAN CLAY (CL): olive gray (5Y 4/2), moist, 70% fines, 30% fine sand, medium plasticity, very soft
21				0	
					LEAN CLAY (CL)
22				0	LEAN CLAY with SAND (CL): very dark grayish brown (2.5Y 3/2), moist, 85% fines, 15% fine sand, medium plasticity, firm
23				0	
24				0	
25				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine to coarse sand, medium to low plasticity, firm
26				0	
27				0	
28				0	very dark gray (2.5Y 3/1), hard
29				0	
30				0	olive gray (5Y 5/2)
31				0	LEAN CLAY with SAND (CL)
					SANDY LEAN CLAY (CL)
					LEAN CLAY with SAND (CL)
32				0	LEAN CLAY with SAND (CL): soft
33				0	

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



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PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-04 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	LEAN CLAY (CL): cont'd	Bentonite chip seal
34				0		6" diameter borehole
35				0	olive gray (5Y 4/2), trace fine gravel	
36				0		1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
37				0		
38				0		
39				0	LEAN CLAY with SAND (CL): olive gray (5Y 4/2), moist, 85% fines, 15% fine to coarse sand, medium plasticity, firm	
40				0	greenish gray (10Y 5/1)	
41				0	dark greenish gray (10Y 4/1), 80% fines, 20% fine sand, soft	#2/12 filter pack sand
					sand fraction fine to medium, firm	Channel #2 port wrapped with 60-mesh stainless steel screen
42				0		
43				0	sand fraction fine	
44				0		Bentonite chip seal
45				0		
					SANDY LEAN CLAY (CL): soft	
46				0		
47				0		
48				0	LEAN CLAY (CL): dark greenish gray (10Y 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
49				0		
50				0		
51						

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PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Well No. MP-04 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
				0	LEAN CLAY with SAND (CL)	Bentonite chip seal
52					LEAN CLAY (CL): cont'd	1.1" diameter high density polyethylene (HDPE), continuous multi-channel tubing (CMT™) well casing (3 channels)
53				0		
54				0		
55	? 10.5ft			0	LEAN CLAY with SAND (CL): dark greenish gray (5GY 4/1), moist, 85% fines, 15% fine sand, medium plasticity, firm	
56				0		
57				0		
58				0	CLAYEY SAND (SC): dark greenish gray (5GY 4/1), wet, 85% fine to medium sand, 15% medium plasticity fines	#2/12 filter pack sand Channel #3 port wrapped with 60-mesh stainless steel screen
59						
60				0		Endcap
61					Bottom of boring at 60.5 feet	
62						
63						
64						
65						
66						
67						
68						
69						

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2009 – 2011 BORING LOGS

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-01**
BORING LOCATION: Latitude: 37.7041037; Longitude: -121.9290275	ELEVATION AND DATUM: 342.36' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.36' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (5 inches thick)	
1					LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 80% fines, 20% fine to medium sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
6				0		
				0	light olive brown (2.5Y 5/4), low plasticity, soft	
7				0		
				0	olive brown (2.5Y 4/4), medium plasticity, firm	
8				0		
				0		
9				0		
				0	soft	
10				0		
				0.1		
11				0.1		
	SB-01-11.7			0.3		Depth to water measured prior to sampling using an electronic water level meter at 1100 on September 27, 2010: 11.6 feet bgs.
12				0.6	firm	
				0.5		
13				2.3	very dark greenish gray (10Y 3/1)	
	SB-01-13.8			1.2		
14				0.6		
				0.4	olive brown (2.5Y 4/4)	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-01 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0.1	LEAN CLAY (CL): cont'd sand fraction fine to medium	Grab groundwater sample SB-01 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 13 feet bgs to maintain surface seal.
16				0.1		
				0.3		
17				0.1		
				0.1		
18				0.2		
				0.1		
19				0.4		
				0.1		
20				0.1	Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-02**
BORING LOCATION: Latitude: 37.7042945; Longitude: -121.9280374	ELEVATION AND DATUM: 339.91' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 339.91' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (5 inches thick)	
1						Hand augered to 5 feet bgs. Recovered soil not logged.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine to medium sand, medium plasticity, firm	
6				0		
7				0	soft	Grab groundwater sample SB-02 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 12.5 to 17.5 feet bgs. Drive casing retracted from bottom of boring to 12.5 feet bgs to maintain surface seal.
8				0	mottled brownish yellow (10YR 6/6)	
9	SB-02-9.1			0		
10				0.8		Depth to water measured prior to sampling using an electronic water level meter at 1030 on September 27, 2010: 9.3 feet bgs.
11	SB-02-11.5			7.5 22	SANDY LEAN CLAY (CL): dark greenish gray (10Y 4/1), moist, 65% fines, 35% fine sand, medium plasticity, soft	
12				9.2 4.9	LEAN CLAY (CL): greenish black (10Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-02 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					dark grayish brown (2.5Y 4/2)	
					LEAN CLAY (CL): cont'd	
16					SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2) mottled with dark greenish gray (10Y 4/1)	
17						
					Bottom of boring at 17.5 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
18						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-03**
BORING LOCATION: 3' W of S corner of Service Area 2 sump	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10 / DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1	SB-03-1.3			0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
2	SB-03-2.8					
3	SB-03-3.2			5800	GRAVELLY LEAN CLAY with SAND (CL): dark greenish gray (5GY 4/1), moist, 55% fines, 25% fine gravel, 20% fine to corse sand, medium plasticity, firm	PID equipment not working due to dead battery. OVM reading not available from 4 feet bgs to total depth.
4						
5					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
6	SB-03-6.5					
7						Grab groundwater sample SB-03 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 11 to 16 feet bgs. Drive casing retracted from bottom of boring to 11 feet bgs to maintain surface seal.
8					dark gray (2.5Y 4/1)	
9						
10						
11	SB-03-11.5					
12					SANDY LEAN CLAY (CL)	
					dark grayish brown (2.5Y 4/2)	Depth to water measured prior to sampling using an electronic water level meter at 1720 on September 28, 2010: 14.4 feet bgs.
13						
14					soft	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-03 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
					SANDY LEAN CLAY with GRAVEL (CL)		
					LEAN CLAY (CL): cont'd		
16					Bottom of boring at 16.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17							
18							
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-04**
BORING LOCATION: Latitude: 37.7036419; Longitude: -121.9280768	ELEVATION AND DATUM: 344.06' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 344.06' (NAVD 88)	REMARKS
					CONCRETE: (4 inches thick)	
1				0.4	CLAYEY SAND with GRAVEL (SC): light olive brown (2.5Y 5/4), moist, 50% fine to coarse sand, 30% medium plasticity fines, 20% fine to coarse gravel [FILL]	Hand augered to 5 feet bgs.
2				0.6		
3	SB-04-3.0	■		0.5		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0.4		
5				0.4	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
				0.5		
6	SB-04-7.0	■		0.9		
				0.4		
7				0.6		
				0.5	GRAVELLY LEAN CLAY (CL): light olive brown (2.5Y 5/4)	
8	SB-04-8.5	■		0.4	very dark greenish gray (10Y 3/1)	
				0.4		
9		▨				
10				0.4		
11				0.4	SANDY LEAN CLAY (CL): 40% fine sand, soft	Grab groundwater sample SB-04 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 11 to 16 feet bgs. Drive casing retracted from bottom of boring to 11 feet bgs to maintain surface seal.
	SB-04-12	■		0.4	SANDY LEAN CLAY (CL): 40% fine sand, soft	
12				0.4		
				0.3	dark olive brown (2.5Y 3/3)	
13						
14		▨				
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-04 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0.4	LEAN CLAY (CL): cont'd	
				0.3	SANDY LEAN CLAY (CL)	
16					Bottom of boring at 16.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-05**
BORING LOCATION: Latitude: 37.7030900; Longitude: -121.9280994	ELEVATION AND DATUM: 342.42' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.42' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (1 inch thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1	SB-05-0.7				LEAN CLAY (CL): black (2.5Y 2.5/1) trace mottling very dark greenish gray (10Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2	SB-05-2.0					
3						
4						
5					olive brown (2.5Y 4/3)	
6						Grab groundwater sample SB-05 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs. Drive casing retracted from bottom of boring to 10 feet bgs to maintain surface seal.
7						
8						
9						
10						Depth to water measured prior to sampling using an electronic water level meter at 1400 on September 28, 2010: 11.2 feet bgs.
11	SB-05-11.5					
12					SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 65% fines, 35% fine sand, medium plasticity, firm	
13					LEAN CLAY (CL): black (2.5Y 2.5/1)	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-06**
BORING LOCATION: Latitude: 37.7031184; Longitude: -121.9273627	ELEVATION AND DATUM: 339.78' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 11.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 339.78' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (1 inch thick)	
1					CONCRETE: (18 inches thick)	Hand augered to 5 feet bgs.
2					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
3	SB-06-3.0					OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
					dark olive brown (2.5Y 3/3)	
5				0		
				0	contains trace gravel	
6				0	olive brown (2.5Y 4/3)	Grab groundwater sample SB-06 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs. Drive casing retracted from bottom of boring to 10 feet bgs to maintain surface seal.
				0		
7				0		
8						
9						
10				0		Depth to water measured prior to sampling using an electronic water level meter at 1105 on September 28, 2010: 10.8 feet bgs.
11	SB-06-11.0			0		
				0	CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines	
12				0	LEAN CLAY (CL): light olive brown (2.5Y 5/3) mottled with yellowish brown (10YR 5/6), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
13					black (2.5Y 2.5/1)	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-07**
BORING LOCATION: 70' W, 35' S of NE corner of southern site parcel	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10 / DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: 13.2 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (8 inches thick)	Hand augered to 5 feet bgs.
1					GRAVELLY LEAN CLAY with SAND (CL): black (2.5Y 2.5/1), moist, 65% fines, 20% fine gravel, 15% fine to coarse sand, medium plasticity, firm	
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
					hard	
5				0		
6				0		
				0		
7					LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0	trace gravel	
8						Grab groundwater sample SB-07 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 12 to 17 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
9						
10				0		
11	SB-07-12.5			0	SANDY LEAN CLAY with GRAVEL (CL): soft	
12				0		Depth to water measured prior to sampling using an electronic water level meter at 945 on September 29, 2010: 13.8 feet bgs.
13	SB-07-13.2			0	CLAYEY SAND (SC): wet	
14				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-07 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
					soft LEAN CLAY (CL): cont'd		
16							
17					black (2.5Y 2.5/1) Bottom of boring at 17.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
18							
19							
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-08**	
BORING LOCATION: 135' S, 60' W of NE corner of southern site parcel	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10	DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					AGGREGATE BASE: (7 inches thick)	
1					GRAVELLY LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 65% fines, 20% fine gravel, 15% fine to coarse sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6						
7					CLAYEY SAND with GRAVEL (SC): olive brown (2.5Y 4/3) mottled with yellowish red (5YR 5/6) CLAYEY SAND with GRAVEL (SC)	
8					CLAYEY SAND with GRAVEL (SC)	
9						
10				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 80% fines, 20% fine to coarse sand, medium plasticity, firm trace coarse gravel	
11				0 0	soft firm	
12				0		
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-08 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
	SB-08-15.7			0	LEAN CLAY with SAND (CL): cont'd	Grab groundwater sample SB-08 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 15 feet bgs to maintain surface seal.
16				0	55% fines, 45% fine sand	
				0		
17				0	LEAN CLAY (CL)	
					black (2.5Y 2.5/1)	
18						
19						Depth to water measured prior to sampling using an electronic water level meter at 850 on September 29, 2010: 15.2 feet bgs.
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-09**
BORING LOCATION: 120' W of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (4 inches thick)	
				0	AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1					SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 20% fine to coarse sand, 20% fine to coarse gravel, medium plasticity, firm [FILL]	
				0		
2						
	SB-09-3.0			0	CLAYEY SAND (SC)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3					LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 80% fines, 20% fine to coarse sand, medium plasticity, firm	
				0		
4	SB-09-4.9					
				0	dark greenish gray (5GY 4/1)	
5					LEAN CLAY (CL): black (2.5Y 5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
6	SB-09-6.0					
				0		
7						
8						
				0		
					contains trace gravel grayish brown (2.5Y 5/2)	
9						
10						
				6		
11	SB-09-11.8					
				0		
12					SANDY LEAN CLAY (CL)	
					soft	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
13						
14						
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-10**	
BORING LOCATION: Latitude: 37.7037712; Longitude: -121.9277074	ELEVATION AND DATUM: 342.51' (NAVD 88)	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10	DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.5	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.51' (NAVD 88)	REMARKS
					CONCRETE: (4 inches thick)	
1					LEAN CLAY with SAND (CL): black (2.5Y 2.5/1), moist, 80% fines, 20% fine to coarse sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2					CLAYEY SAND with GRAVEL (SC): light yellowish brown (2.5Y 6/4), moist, 50% fine to coarse sand, 25% fine to coarse gravel, 25% medium plasticity fines	
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4	SB-10-4.0					
5					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				13.2		
6				5.3		
				5.3		
				0		
7					contains trace gravel dark grayish brown (2.5Y 4/2)	
				3.1		
				4.7		
8				26.2		
9	SB-10-9.0					
	SB-10-10.5					Grab groundwater sample SB-10 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 11.5 to 16.5 feet bgs. Drive casing retracted from bottom of boring to 11.5 feet bgs to maintain surface seal.
10				0		
				0		
11					SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 65% fines, 35% fine sand, medium plasticity, soft	
	SB-10-11.5			0		
12				13	LEAN CLAY CL (CL)	
				0		
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-10 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd	Depth to water measured prior to sampling using an electronic water level meter at 840 on September 28, 2010: 15.5 feet bgs.
16				0	LEAN CLAY (CL): dark olive brown (2.5Y 3/3), moist, 90% fines, 10% fine sand, low plasticity, firm	
				0	Bottom of boring at 16.5 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17						
18						
19						
20						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-11**
BORING LOCATION: Latitude: 37.7036088; Longitude: -121.9277443	ELEVATION AND DATUM: 342.17' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 18.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.17' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (6 inches thick)	
1					LEAN CLAY with SAND (CL): very dark gray (10YR 3/1), moist, 75% fines, 25% fine to coarse sand, medium plasticity, hard	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0.6		
				0.6		
6				1.1	dark grayish brown (2.5Y 4/2), contains trace gravel	
7				0.3		
				0.9		
8				0.6		
				0.2	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	Grab groundwater sample SB-11 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 13 to 18 feet bgs. Drive casing retracted from bottom of boring to 13 feet bgs to maintain surface seal.
9						
10				0.9		
				1.8		
11				1.3	very dark grayish brown (2.5Y 3/2)	
12	SB-11-12.8			0.6		
				1.4	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/4) mottled with dark yellowish brown (10YR 4/6), moist, 65% fines, 35% fine to medium sand, medium plasticity, soft	Depth to water measured prior to sampling using an electronic water level meter at 1355 on September 27, 2010: 12.0 feet bgs.
13				0.4		
14					LEAN CLAY (CL): very dark grayish brown (10YR 4/6), moist, 90% fines, 10% fine sand, medium plasticity, firm	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-11 (cont'd)

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
					LEAN CLAY (CL): cont'd		
16					dark grayish brown (2.5Y 4/2)		
17					SANDY LEAN CLAY (CL)		
18					Bottom of boring at 18.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
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32							
33							

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-12**
BORING LOCATION: Latitude: 37.7032310; Longitude: -121.9277629	ELEVATION AND DATUM: 341.95' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 341.95' (NAVD 88)	REMARKS
					ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (5 inches thick)	Hand augered to 5 feet bgs.
1					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
					LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 85% fines, 15% fine sand, medium plasticity, firm	
5				0		
6				0		
				0		
7						
				0		
8				0		
				0		
9						
				0		
10						
				0		
11				0		
	SB-12-12.0			0		Grab groundwater sample SB-12 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 12 to 17 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
12					SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 55% fines, 45% fine sand, medium plasticity, firm	
				0		
13						
				0		
				0	LEAN CLAY (CL) black (2.5Y 2.5/1)	
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-12 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	SANDY LEAN CLAY (CL): cont'd brown (10YR 4/3)	
16				0		
				0		
17					Bottom of boring at 17.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
18						
19						
20						
21						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-14**
BORING LOCATION: 65' W and 20' S of NE corner of Bldg. B; 2' from N wall	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/7/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST 15.0 / COMPL. NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	Cobble [FILL] (3 inches thick)	
1				0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 60% fines, 30% fine to coarse sand, 10% fine to coarse gravel, medium plasticity, soft to firm	Hand augered to 5 feet bgs.
				0		
2				0		
3				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
	SB-14-4.0	■			greenish gray (5GY 5/1)	
4				0	LEAN CLAY with SAND (CL): greenish gray (5GY 5/1)	
5				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
6				0		
7				0		
8	SB-14-8.0	■		0	LEAN CLAY with SAND (CL): dark gray (5Y 4/1), moist, 75% fines, 25% fine sand, medium plasticity, firm	
9				0		
				0		
10				0	soft	
	SB-14-11.0	■		1.7		
11				0		
12	SB-14-12.0	■		0		
13				0		
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-14 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	CLAYEY GRAVEL (GC): wet	
					CLAYEY SAND (SC): wet	
16				0	LEAN CLAY (CL): dark gray (5Y 4/1), moist, 90% fines, 10% fine sand, medium plasticity, soft to firm	
				0		
17						
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-15**	
BORING LOCATION: Latitude: 37.7039046; Longitude: -121.9280951	ELEVATION AND DATUM: 342.94' (NAVD 88)	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11	DATE FINISHED: 6/7/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.94' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (3 inches thick)	
					AGGREGATE BASE: (2 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5YR 5/2), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm to soft	
2				0		
3				0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 70% fines, 30% fine to coarse sand, medium plasticity, soft to firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
					greenish gray (5GY 5/1)	
4				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
5				0		
6				0		
7				0		
				0		
8				0		
9				0	dark gray (5Y 4/1), soft	
10				0		
11				0	CLAYEY SAND (SC)	
				0		
12				0	CLAYEY SAND (SC)	
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-15 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	dark gray (5Y 4/1) LEAN CLAY (CL): cont'd	Grab groundwater sample SB-15 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
16				0		
17				0	LEAN CLAY with SAND (CL): light olive brown (2.5Y 5/3), moist, 80% fines, 20% fine sand, medium plasticity, soft	
18				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
24						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-16**
BORING LOCATION: Latitude: 37.7040017; Longitude: -121.9278174	ELEVATION AND DATUM: 342.27' (NAVD 88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/7/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 342.27' (NAVD 88)	REMARKS
				0	ASPHALTIC CONCRETE: (2 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
3				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0		
				0		
5				0		
6				0		
7					CLAYEY GRAVEL (GC)	
				0	LEAN CLAY with SAND (CL): dark gray (5Y 4/1), moist, 85% fines, 15% fine to coarse sand, medium plasticity, soft to firm	Grab groundwater sample SB-16 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs.
8				0		
9				0		
10				0		
11				0	CLAYEY SAND (SC) grayish brown (10YR 4/2)	Depth to water was measured on 6/7/11 with a water level meter at approximately 12.3 feet bgs.
12				0		
13				0		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-17**
BORING LOCATION: 13' S and 30' E of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/7/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST: 10.5 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	AGGREGATE BASE: (12 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		
				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3				0		
4				0		
				0		
5						
6				0		
7				0		Grab groundwater sample SB-17 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs.
				0		
8				0	LEAN CLAY with SAND (CL): grayish brown (2.5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
				0		
9				0		
10				0	75% fines, 25% fine sand	Depth to water was measured on 6/7/11 with a water level meter at approximately 15 feet bgs.
11				0	CLAYEY SAND (SC): dark grayish brown (2.5Y 4/2), wet, 60% fine sand, 40% medium plasticity fines	
12				0	LEAN CLAY with SAND (CL): grayish brown (2.5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
13						Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-18**
BORING LOCATION: 58' from E wall and 10' from N wall of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/8/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (5.5 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, soft to firm	
2				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3				0		
	SB-18-4.0			0	CLAYEY SAND with GRAVEL (SC), wet	Perched water noted at 3.1 feet bgs.
4					GRAVELLY LEAN CLAY with SAND (CL): grayish brown (2.5Y 5/2), moist, 55% fines, 25% fine to coarse gravel, 20% fine to coarse sand, medium plasticity, soft to firm	
5				0	dark greenish gray (10Y 4/1)	
				0	LEAN CLAY (CL): black (10YR 2/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
6				0		
7				0		Grab groundwater sample SB-18 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs.
	SB-18-8.0			0		
8				0		
					LEAN CLAY with SAND (CL): olive brown (5Y 5/2), moist, 80% fines, 20% fine sand, medium plasticity, firm	
9				0		
				0		
10						Depth to water was measured prior to sampling on 6/8/11 with a water level meter at approximately 12.9 feet bgs.
				0		
11				0		
12				0		
					LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
13						Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
				0	SANDY LEAN CLAY (CL)	
14				0	soft	
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-19**
BORING LOCATION: 62' from E wall and 33' from N wall of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/9/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 15.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	ASPHALTIC CONCRETE: (5.5 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
2				0		
3				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
	SB-19-4.0			0		
4					greenish gray (10Y 5/1)	
				0		
5					SANDY LEAN CLAY (CL)	
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
6				0		
7				0		
	SB-19-8.0			0		
8				0		
9				0		
10				0	SANDY LEAN CLAY (CL): gray (N 5/) mottled with greenish gray (10Y 5/1), moist, 70% fines, 30% fine sand, medium plasticity, firm	
	SB-19-11.0			0	CLAYEY SAND (SC)	
11				0		
					olive gray (5Y 5/2)	
12				0		
	SB-19-13.0					
13				0		Depth to water was measured on 6/9/11 with a water level meter at approximately 12.9 feet bgs.
				0		
14				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-19 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	POORLY-GRADED SAND with CLAY and GRAVEL (SP-SC): wet	
					CLAYEY SAND (SC): wet	Grab groundwater sample SB-19 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
16				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
17				0		
					SANDY LEAN CLAY (CL)	
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-20**
BORING LOCATION: 50' from E wall and 12' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/7/11 / DATE FINISHED: 6/9/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 9.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (6 inches thick)	
					AGGREGATE BASE: (6 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0	CLAYEY SAND (SC): light olive brown (2.5Y 5/3), moist, 60% fine to coarse sand, 30% low plasticity fines, 10% fine to coarse gravel	
3				0	POORLY-GRADED GRAVEL (GP): wet	Perched water noted at 2.7 feet bgs.
4				0		
				0		
5				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
6	SB-20-6.0			0		
				0	trace gravel	
7				0		
				0		
8				0		
				0		
9				0	POORLY-GRADED GRAVEL (GP): wet	
				0	SANDY LEAN CLAY (CL): olive gray (5Y 5/2), moist, 70% fines, 30% fine sand, trace gravel, medium plasticity, soft to firm	
10				0	POORLY-GRADED GRAVEL (GP): wet	
				0	LEAN CLAY with SAND (CL): dark greenish gray (5GY 4/1), moist, 80% fines, 20% fine sand, medium plasticity, firm	
11	SB-20-11.0			0		
				0		
12				0		
				0	dark grayish brown (2.5Y 4/2)	Depth to water was measured prior to sampling on 6/9/11 with a water level meter at approximately 14.47 feet bgs.
13	SB-20-13.0			0		
				0	POORLY-GRADED SAND with CLAY (SP-SC)	
14				0		
				0		
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-20 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY with SAND (CL): cont'd	
16				0	CLAYEY SAND (SC): olive brown (2.5Y 4/3), wet, 65% fine sand, 35% medium plasticity fines	Grab groundwater sample SB-20 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
					LEAN CLAY (CL): very dark gray (2.5Y 3/1)	
17				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y4/2)	
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-21**
BORING LOCATION: 42' N and 10' E of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/8/11 / DATE FINISHED: 6/8/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST: 12.2 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (1.5 inches thick)	
					ASPHALTIC CONCRETE: (2 inches thick)	Hand augered to 5 feet bgs.
1					AGGREGATE BASE: (15 inches thick)	
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
2						
				0	CLAYEY SAND with GRAVEL (SC): light yellowish brown (2.5Y 6/4), moist, 50% fine to coarse sand, 25% fine to coarse gravel, 25% medium plasticity fines	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3						
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
4						
				0		
5						
				0		
6				0		
				0		
7				0		
				0		
8				0	trace gravel	Grab groundwater sample SB-21 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs.
				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 70% fines, 30% fine sand, medium plasticity, firm	
9				0	60% fines, 40% fine sand	
10				0		
				0		
11				0		Depth to water was measured prior to sampling on 6/8/11 with a water level meter at approximately 12 feet bgs.
				0		
12				0	CLAYEY SAND (SC): wet	
				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
13				0		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-22**	
BORING LOCATION: 127' from W wall and 10' from N wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/8/11	DATE FINISHED: 6/8/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (4.5 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, soft to firm	
				0		
2				0		
				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3				0		
	SB-22-4.0	■		0		
4				0		
				0	greenish gray (10Y 5/1)	
5					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
6				0		
				0		
7				0		
8				0	trace gravel	
				0		
9				1.6	SANDY LEAN CLAY (CL): dark gray (N 4/), moist, 60% fines, 40% fine sand, medium plasticity, firm	
	SB-22-9.5	■		0	LEAN CLAY with SAND (CL): dark gray (N 4/), moist, 75% fines, 25% fine sand, medium plasticity, firm	
10				0	gray (5Y 5/1), 85% fines, 15% fine sand	
11				0		
				0		
12	SB-22-12.0	■		0		
				0		
13				0	LEAN CLAY (CL): gray (5Y 5/1) mottled with yellowish brown (10YR 5/6), moist, 90% fines, 10% fine sand, medium plasticity, soft	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14					POORLY-GRADED GRAVEL with CLAY (GP-GC)	
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-23**
BORING LOCATION: 90' from W wall and 15' from N wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/8/11 / DATE FINISHED: 6/8/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 12.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (5 inches thick)	
					AGGREGATE BASE: (3 inches thick)	
1				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/6), moist, 60% fines, 20% fine to coarse sand, 20% fine to coarse gravel, medium plasticity, soft to firm	Hand augered to 5 feet bgs.
2				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 70% fines, 20% fine to coarse sand, 10% fine to coarse gravel, medium plasticity, soft to firm	
				0		
4				0	greenish gray (10Y 5/1), wet	Perched water noted at 4 feet bgs.
5				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
6	SB-23-6.0			0	trace gravel	
7				0		
				0		
8				0	SANDY LEAN CLAY with GRAVEL (CL): brown (10YR 5/3) mottled with gray (2.5Y 5/1), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	Grab groundwater sample SB-23 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs.
9				0	SANDY LEAN CLAY (CL): brown (10YR 5/3), moist, 70% fines, 30% fine to coarse sand, medium plasticity, firm	
10				0		
				0		Depth to water was measured prior to sampling on 6/8/11 with a water level meter at approximately 12.8 feet bgs.
11				0		
12	SB-23-12.0			0	CLAYEY SAND (SC): brown (10YR 5/3), wet, 65% fine sand, 35% medium plasticity fines	
13				0		
				0		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-24**
BORING LOCATION: 10' from S wall and 10' from E wall in Auto Body Shop 1	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/8/11 / DATE FINISHED: 6/8/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 11.5 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 1.85"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (5.5 inches thick)	
					AGGREGATE BASE: (6 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): gray (5Y 5/1), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, soft to firm	
2				0 0		
3					greenish gray (10Y 5/1)	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
5				0	LEAN CLAY with SAND (CL): dark olive gray (5Y 3/2), moist, 80% fines, 20% fine to medium sand, medium plasticity, firm	
					CLAYEY GRAVEL (GC)	
6	SB-24-6.0			0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/4), moist, 70% fines, 30% fine sand, trace gravel, medium plasticity, firm	
				0		
7				0	CLAYEY GRAVEL (GC) 60% fines, 40% fine sand	
				0		
8						
				0		
9				0		
				0		
10					70% fines, 30% fine sand	
				0		
11	SB-24-11.5			0		
				0		
12				0	CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 60% fine sand, 40% medium plasticity fines	
				0		
13				0		Depth to water was measured on 6/8/11 with a water level meter at approximately 12.5 feet bgs.
14				0	POORLY-GRADED SAND with CLAY (SP-SC): light olive brown (2.5Y 5/3), wet, 90% fine sand, 10% medium plasticity fines, trace gravel	
					LEAN CLAY with SAND (CL): see next page	
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-24 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY with SAND (CL): brown (7.5YR 4/3), moist, 70% fines, 30% fine sand, medium plasticity, firm	
16				0		Grab groundwater sample SB-24 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
17				0	CLAYEY SAND (SC): yellowish brown (10YR 5/4), wet, 60% fine sand, 40% medium plasticity fines	
18				0		
				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-25**
BORING LOCATION: 122' from W wall and 5' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/9/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 12.5 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT32 dual-tube sampling system [5' x 1.8"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (5 inches thick)	
1					POORLY-GRADED GRAVEL (GP): [FILL]	Fill vacuumed out to 3.5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0.9		
4				19.1	CONCRETE: (3 inches thick)	
				19.9	CLAYEY GRAVEL (GC): greenish gray (10Y 5/1)	
				8.4	odor	
5				8.8	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm, odor	
				4.4		
				5		
6				4.5	trace gravel	
7				4.6		
	SB-25-8.0			24.2		
8				25.6		
				6.8	POORLY-GRADED GRAVEL with CLAY (GP-GC)	
9				9.2	SANDY LEAN CLAY (CL): gray (2.5Y 5/1), moist, 70% fines, 30% fine sand, medium plasticity, firm, odor	
				6.9		
10				1.4	dark greenish gray (10Y 5/1)	
				0.5	no odor	
11				0		
				0		
12	SB-25-12.0			0		Depth to water was measured on 6/10/11 with a water level meter at approximately 12.7 feet bgs.
				0	CLAYEY SAND (SC): dark gray (N 4/), wet	
13				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
14				0		
15					CLAYEY SAND (SC): see next page	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-25 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	CLAYEY SAND (SC): grayish brown (2.5Y 5/2), wet, 80% fine to medium sand, 20% medium plasticity fines	
16				0	LEAN CLAY (CL): dark gray (5Y 4/1), moist, 90% fines, 10% fine to medium sand, medium plasticity, firm	Grab groundwater sample SB-25 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
17					grayish brown (2.5Y 5/2), soft	
				0		
					SANDY LEAN CLAY (CL): soft	
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-26**
BORING LOCATION: 105' from W wall and 15' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/9/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST 9.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (5 inches thick)	
1				0	SANDY LEAN CLAY with GRAVEL (CL): olive brown (2.5Y 4/3), moist, 60% fines, 20% fine to coarse sand, 20% fine to coarse gravel, medium plasticity, firm	Hand augered to 5 feet bgs.
				0		
2				0	CLAYEY SAND (SC)	
3				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 54/3), moist, 75% fines, 25% fine to medium sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0		
4				0	greenish gray (10Y 5/1), soft to firm	
				0		
5				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
	SB-26-6.0			0		
6				0		
				0		
7				0	CLAYEY GRAVEL (GC)	
8				0	SANDY LEAN CLAY (CL) dark grayish brown (10YR 4/2)	
				0	CLAYEY GRAVEL (GC) grayish brown (10YR 5/2)	
9	SB-26-9.0			0	CLAYEY SAND (SC): grayish brown (10YR 5/2), wet, 65% fine sand, 35% medium plasticity fines	
10				0		
11				0	SANDY LEAN CLAY (CL): grayish brown (10YR 5/2), moist, 70% fines, 30% fine sand, medium plasticity, soft to firm	
				0		
12				0	CLAYEY SAND (SC): grayish brown (10YR 5/2), wet, 65% fine sand, 35% medium plasticity fines	
				0		Depth to water was measured on 6/10/11 with a water level meter at approximately 12.8 feet bgs.
13				0	LEAN CLAY (CL)	
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-26 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					CLAYEY SAND (SC): cont'd	
				0	LEAN CLAY (CL): very dark gray (10YR 3/1), moist, 90% fines, 10% fine sand, medium plasticity, soft to firm	Grab groundwater sample SB-26 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
16				0		
				0		
				0		
17				0	LEAN CLAY with SAND (CL): yellowish brown (10YR 5/4), 85% fines, 15% fine sand, medium plasticity, soft	
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
22						
23						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-27**
BORING LOCATION: 75' from W wall and 18' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/9/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST 11.5 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (4 inches thick)	
					AGGREGATE BASE: (3 inches thick)	Hand augered to 5 feet bgs.
1				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
2				0		
3				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 60% fines, 40% fine sand, medium plasticity, firm	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0	dark greenish gray (5GY 4/1)	
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
5	SB-27-6.0			0	trace gravel	
6				0		
				0	CLAYEY GRAVEL (GC)	
7				0	LEAN CLAY with SAND (CL): gray (2.5Y 5/1)	
				0	SANDY LEAN CLAY (CL): olive gray (5Y 4/2), moist, 60% fines, 40% fine to coarse sand, medium plasticity, firm	
8				0		
				0		
9						
10				0	LEAN CLAY with SAND (CL): olive brown (2.5Y 4/3), moist, 75% fines, 25% fine sand, medium plasticity, firm	
11	SB-27-11.0			0		
				0	CLAYEY SAND (SC): grayish brown (2.5Y 5/2), wet, 60% fine sand, 40% medium plasticity fines	
12				0		Depth to water was measured on 6/10/11 with a water level meter at approximately 12.7 bgs.
				0		
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-27 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY (CL): dark gray (2.5Y 4/1), moist, 90% fines, 10% fine to medium sand, medium plasticity, firm	
16				0		Grab groundwater sample SB-27 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
				0	LEAN CLAY with SAND (CL): grayish brown (2.5Y 5/2), moist, 80% fines, 20% fine to medium sand medium plasticity, firm	
17				0		
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-28**
BORING LOCATION: 37" from W wall and 15' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 6/10/11 / DATE FINISHED: 6/10/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 6600	DEPTH TO WATER (ft.) FIRST 11.0 / COMPL. See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: H. Dietrich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
				0	CONCRETE: (5 inches thick)	
				0	AGGREGATE BASE: (4 inches thick)	Hand augered to 5 feet bgs.
1				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/4), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel, medium plasticity, firm	
				0		
2				0		
				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
3				0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/4), moist, 60% fines, 30% fine to coarse sand, 10% fine to coarse gravel, medium plasticity, firm	
				0	greenish gray (10GY 5/1)	
4				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
5				0		
	SB-28-6.0			0		
6				0	CLAYEY GRAVEL (GC): olive brown (2.5Y 4/3), moist, 50% fine to coarse gravel, 40% medium plasticity fines, 10% fine to coarse sand	
				0	70% fine to coarse gravel, 20% fines, 10% fine to coarse sand	
7				0		
				0	LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fine to medium sand, medium plasticity, firm	
8						
9						
10				0		
	SB-28-11.0			0		
11				0	CLAYEY SAND (SC): grayish brown (2.5Y 5/2), wet, 70% fine sand, 30% medium plasticity fines	
				0	LEAN CLAY (CL)	
12				0	CLAYEY GRAVEL (GC)	Depth to water was measured on 6/10/11 with a water level meter at approximately 12.7 feet bgs.
				0		
13						
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-28 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	LEAN CLAY (CL): dark gray (2.5Y 4/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		Grab groundwater sample SB-28 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs.
16				0	olive brown (2.5Y 4/4), soft	
				0		
17				0	CLAYEY SAND (SC)	
18						
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-29**
BORING LOCATION: 78' from E wall and 8.5' from S wall of Bldg. B.	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 7/26/11 / DATE FINISHED: 7/26/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: A. Patton
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (6 inches thick)	
					AGGREGATE BASE: (5 inches thick)	Hand augered to 5 feet bgs.
1				0	CLAYEY SAND (SC): light olive brown (2.5Y 5/3), moist, 65% fine to coarse sand, 25% low plasticity fines, 10% fine to coarse gravel	
2				2		
3				3.9		Boring advanced at an angle of approximately 20-30° off of vertical.
4	SB-29-4.0	■		0.5		
5				0	SANDY LEAN CLAY (CL): grayish brown (2.5Y 5/2), moist, 60% fines, 40% fine to coarse sand, low plasticity, soft	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
				0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
6						
				0		
7						
				0.1		
8	SB-29-8.0	■				
				0.1		
9				0.4		
				0.4	CLAYEY SAND (SC): dark gray (2.5Y 4/1), moist, 70% fine sand, 30% low plasticity fines	
10		⊠				
				0.4		
11				0.4		
12	SB-29-12.0	■		0.1	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 75% fines, 25% fine sand, low plasticity, soft	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
13				0		
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-30**
BORING LOCATION: 113" from W wall and 7' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 7/26/11 / DATE FINISHED: 7/26/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: A. Patton
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (6 inches thick)	
1				0	AGGREGATE BASE: (6 inches thick)	Hand augered to 5 feet bgs.
2				0	CLAYEY SAND (SC): light olive brown (2.5Y 5/3), moist, 65% fine to coarse sand, 25% low plasticity fines, 10% fine to coarse gravel	
3				0	SANDY LEAN CLAY with GRAVEL (CL): light olive brown (2.5Y 5/3), moist, 60% fines, 25% fine to coarse sand, 15% fine to coarse gravel	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4	SB-30-4.0	■		0		
5				0	greenish gray (10Y 5/1) LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
6				0		
7				0		
8	SB-30-8.0	■		0	POORLY-GRADED GRAVEL (GP) dark grayish brown (2.5Y 4/2)	
9				0	CLAYEY SAND (SC): dark gray (2.5Y 4/1), moist, 70% fine sand, 30% low plasticity fines	
10		▨		0		
11				0	LEAN CLAY with SAND (CL): dark grayish brown (10YR 4/2), moist, 75% fines, 25% fine sand, low plasticity, soft	
12	SB-30-12.0	■		0		
13				0		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14		▨				
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-31**	
BORING LOCATION: 63" from E wall and 2.5' from S wall in Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 7/26/11	DATE FINISHED: 7/26/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: 15.0 / COMPL.: See remarks
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: A. Patton	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE: (6 inches thick)	
1				0	AGGREGATE BASE: (18 inches thick)	Hand augered to 5 feet bgs.
2				0 0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
3	SB-31-4.0			0	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/3), moist, 60% fines, 40% fine to coarse sand, low plasticity, soft	OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0	60% fines, 30% fine to coarse sand, 10% fine to coarse gravel	
5				0 0	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
6				0		
7				0		
8	SB-31-8.0			0 0	POORLY-GRADED SAND (SP)	
9				0	LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/1), moist, 75% fines, 25% fine sand, low plasticity, firm	
10				0		
11				0		
12	SB-31-12.0			0 0	soft	Depth to water was measured on 7/26/11 at 1315 with a water level meter at approximately 13.3 feet bgs and 1335 at 13.3 feet bgs.
13				0		
14						
15						

OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET
7544 Dublin Blvd., Dublin, California

Log of Boring No. SB-31 (cont'd)

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
				0	POORLY-GRADED SAND with CLAY (SP-SC): grayish brown (2.5Y 5/2), wet, 90% fine to medium sand, 10% low plasticity fines	Grab groundwater sample SB-31 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 15 feet bgs to maintain surface seal.
16				0		
17				0	LEAN CLAY (CL): very dark grayish brown (2.5Y 3/2), moist, 95% fines, 5% fine sand, medium plasticity, soft	
18				0		
19						
20					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
21						
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OAKBOREV (REV. 8/2011)

PROJECT: CROWN CHEVROLET 7544 Dublin Blvd., Dublin, California	**Log of Boring No. SB-32**
BORING LOCATION: Latitude: 37.7036533; Longitude: -121.92804036	ELEVATION AND DATUM: 343.86' (NAVD88)
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 7/26/11 / DATE FINISHED: 7/26/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.125"]	LOGGED BY: A. Patton
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

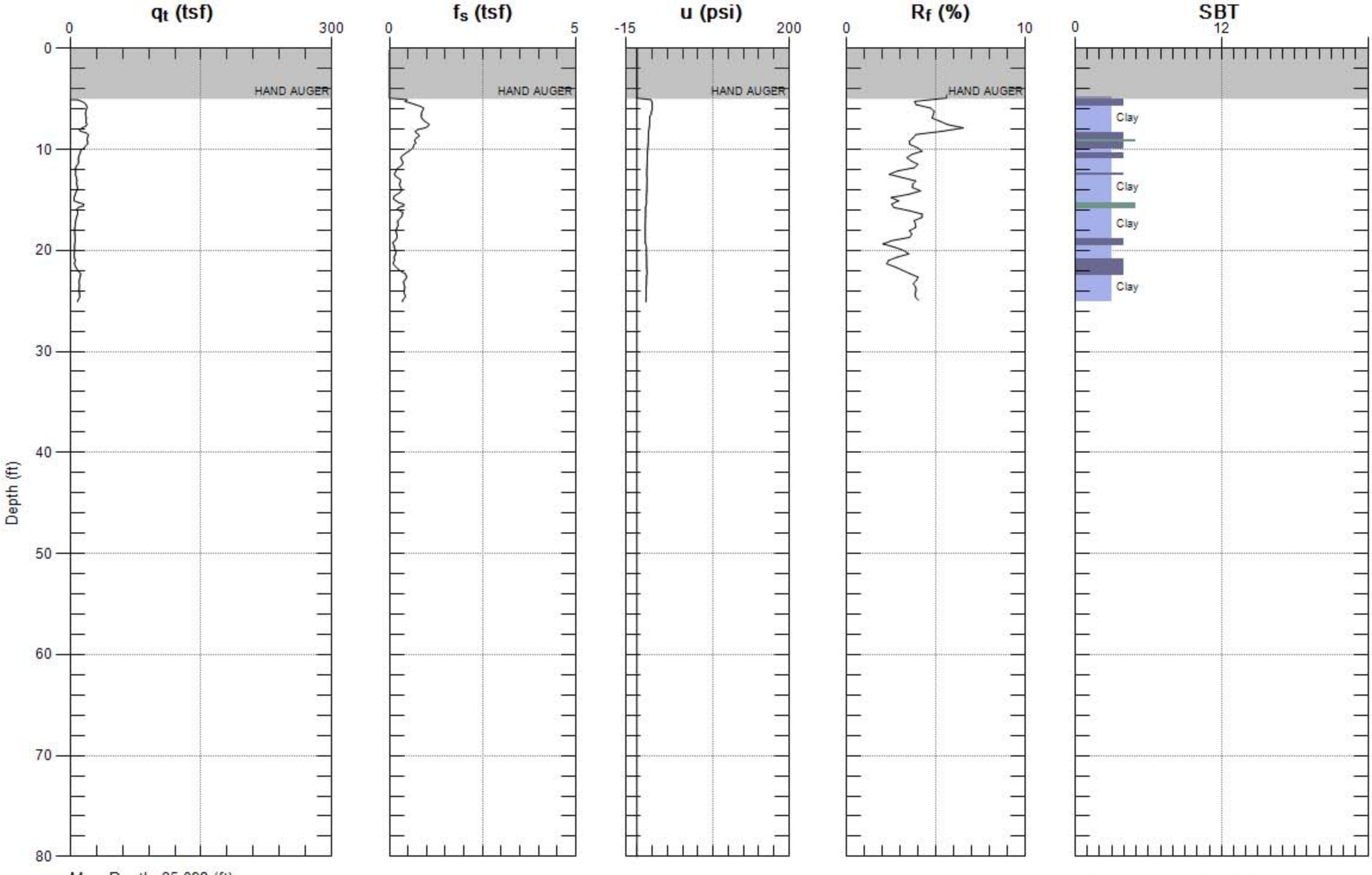
DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: 343.86' (NAVD88)	REMARKS
					CONCRETE: (5 inches thick)	
				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 65% fines, 30% fine to coarse sand, 5% fine to coarse gravel	Hand augered to 5 feet bgs.
1				0		
2					POORLY-GRADED GRAVEL (GP)	
	SB-32-3.0			0	mottled with black (2.5Y 2.5/1) and dark greenish gray (10Y 4/1), slight odor	
3				0		Boring advanced at an angle of approximately 20-30° off of vertical.
					no mottling, no odor	
4				0		
					mottled with dark greenish gray (10Y 4/1)	
				0		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
5					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
				0		
6						
				0		
7						
	SB-32-8.0			0		
8						
				0	very dark grayish brown (2.5Y 3/2)	
9				0		
10				0		
				0		
11						
				0	SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 60% fines, 40% fine to medium sand, low plasticity, firm	
12	SB-32-12.0					
				0	LEAN CLAY (CL)	
13				0		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
				0	LEAN CLAY (CL)	
14						
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 8/2011)

AMEC GEOMATRIX

Site: FMR. CROWN CHEVY
Sounding: CPT-EXC

Engineer: A.PATTON
Date: 5/16/2011 05:29

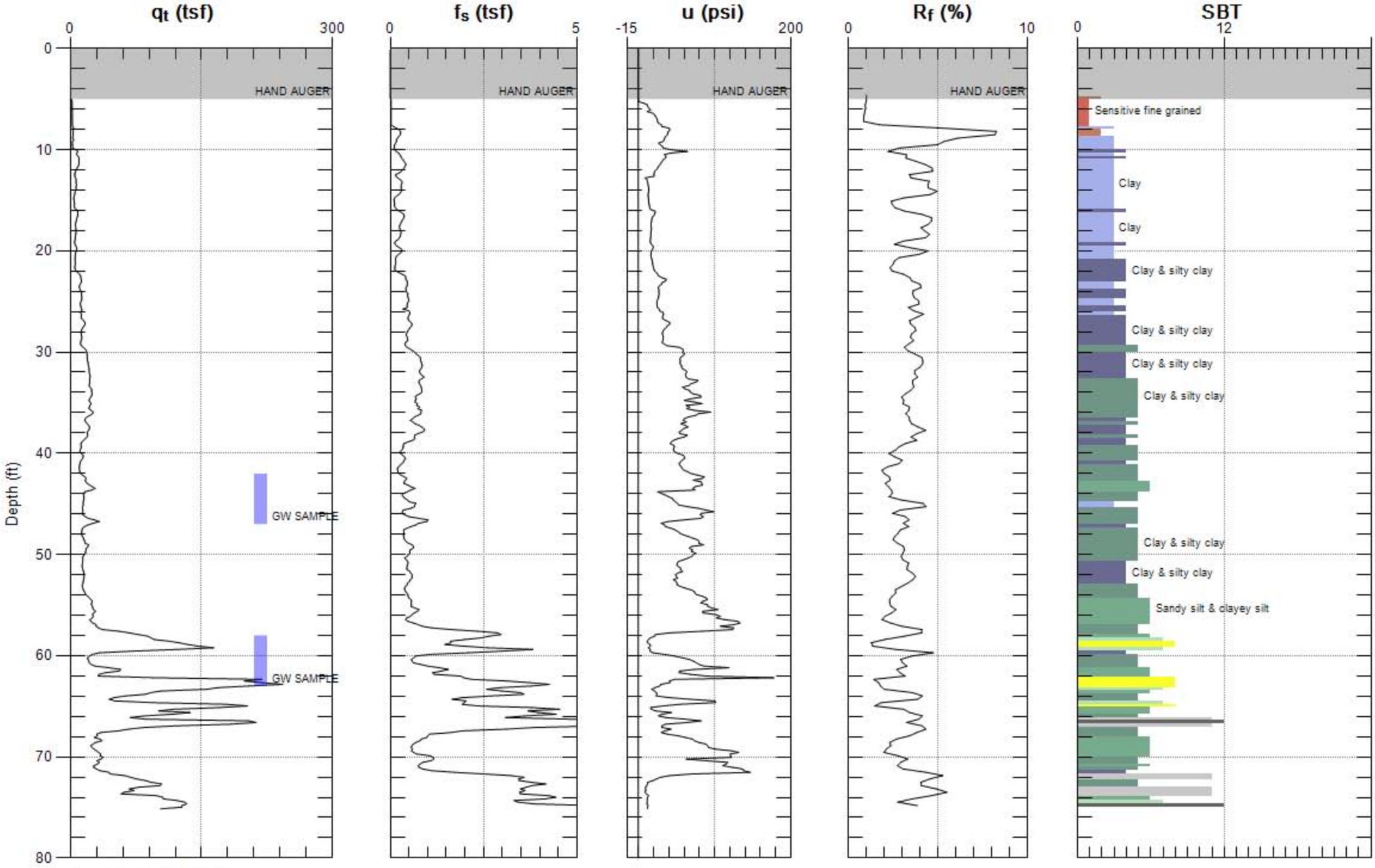


Max. Depth: 25.098 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

AMEC GEOMATRIX

Site: FMR. CROWN CHEVY
Sounding: CPT-W
Engineer: A.PATTON
Date: 5/16/2011 12:49



Max. Depth: 75.131 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

P&D ENVIRONMENTAL, INC.

BORING NO.: B1	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Inside paint and body shop		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/25/09 0830	DATE & TIME FINISHED: 2/25/09 0850
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 14.0 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 2.0 ft. Brown clayey sand (FILL); loose, moist, with gravel to 0.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	FILL			0	
	2.0 to 7.0 ft. Dark brown clay (CL); stiff, moist, with some angular gravel to 0.25-in. diameter. No PHC odor.	CL	B1-4.0		0	
5						0 to 5 ft. 4.6 ft. recovery
	7.0 to 14.5 ft. Olive brown silt (ML); medium stiff, moist. No PHC odor.		B1-8.0		0	5 to 10 ft. 4.5 ft. recovery
10		ML				10 to 15 ft. 4.2 ft. recovery
	Soft, wet at 14.0 ft.					
	14.5 to 15.0 ft. Brown silty gravel (GM); saturated, with gravel to 0.75-in. diameter. No PHC odor.	GM			0	Water encountered during drilling at 14.0 ft.
15						Borehole terminated at 15.0 ft. on 2/25/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 10.4 ft. at 0855, and at 10.6 ft. at 0905. Water sample B1-W collected at 0910; no odor or sheen on sample.
20						Borehole grouted on 2/25/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B2	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: East of former bulk storage adjacent to storm drain		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/25/09 0730	DATE & TIME FINISHED: 2/25/09 0745
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 13.0 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 5.0 ft. Dark grayish brown clay (CL); stiff, moist, with trace gravel to 0.25-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
		X	B2-4.0			
5	5.0 to 9.5 ft. Dark brown clayey silt (ML); medium stiff, moist. No PHC odor.	ML			0	0 to 5 ft. 4.8 ft. recovery
		X	B2-8.0			5 to 10 ft. 4.6 ft. recovery
10	9.5 to 13.0 ft. Olive brown silty clay (CL); medium stiff, moist. No PHC odor.	▼ CL			0	10 to 15 ft. 4.2 ft. recovery
	Soft at 12.5 ft. Wet at 13.0 ft.	▽				
	13.0 to 15.0 ft. Olive brown silt (ML); soft, saturated. No PHC odor.	ML			0	Water encountered during drilling at 13.0 ft.
15						Borehole terminated at 15.0 ft. on 2/25/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 10.1 ft. at 0748 and at 0758. Water sample B2-W collected at 0800; no odor or sheen on sample.
20						Borehole grouted on 2/25/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B3	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Parking lot across from paint and body shop		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/24/09 0730	DATE & TIME FINISHED: 2/24/09 0800
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 13.5 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.5 ft. Asphalt and Road Base.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.5 to 2.0 ft. Black clay (CL); medium stiff, moist, with trace gravel to 0.25-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
	2.0 to 5.0 ft. Dark brown clay (CL); stiff, moist. No PHC odor.	CL			0	
		X	B3-4.0			
5						0 to 5 ft. 4.5 ft. recovery
	5.0 to 7.5 ft. Olive brown clayey silt (ML); stiff, moist, with orange mottling. No PHC odor.	ML			0	
	7.5 to 11.0 ft. Dark brown clayey sand (SW); loose, moist, with gravel to 0.25-in. diameter. No PHC odor.	X	B3-8.0			5 to 10 ft. 5.0 ft. recovery
		SW			0	
10						10 to 15 ft. 4.6 ft. recovery
	11.0 to 13.5 ft. Olive brown silty clay (CL); medium stiff, moist. No PHC odor.	CL			0	
	Wet at 13.0 ft.	▽				
	13.5 to 14.5 ft. Olive brown silty sand (SP); loose, saturated. No PHC odor.	SP			0	Water encountered during drilling at 13.5 ft.
15	14.5 to 15.0 ft. Dark brown silty clay (CL); medium stiff, moist, with trace gravel to 0.25-in. diameter. No PHC odor.	CL				Borehole terminated at 15.0 ft. on 2/24/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 11.2 ft. at 0802, and at 11.3 ft. at 0812. Sample B3-W collected at 0815; no odor or sheen on sample.
20						Borehole grouted on 2/24/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B4	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Adjacent to outdoor hoist		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/25/09 0950	DATE & TIME FINISHED: 2/25/09 1005
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 13.5 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Asphalt and road base.					
	0.3 to 1.0 ft. Dark brown clay (CL); stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL	No Well Constructed		0	Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	1.0 to 3.0 ft. Brown silt (ML); stiff, moist, with some gravel to 0.25-in. diameter. No PHC odor.	ML			0	
	2.5 to 3.0 ft. Bluish green discoloration.					
	3.0 to 5.0 ft. Black clay (CL); stiff, moist, with roots. No PHC odor. X	CL	B4-4.0		0	
5						0 to 5 ft. 4.8 ft. recovery
	5.0 to 6.5 ft. Dark brown silty clay (CL); stiff, moist, with orange mottling. No PHC odor.	CL			0	
	6.5 to 7.5 ft. Brown silty gravel (GM); moist, with gravel to 1.0-in. diameter. No PHC odor.	GM			0	
	7.5 to 15.0 ft. Olive green clayey silt (ML); stiff, moist. No PHC odor. X		B4-8.0			5 to 10 ft. 4.2 ft. recovery
10		ML			0	
		▼				10 to 15 ft. 3.8 ft. recovery
	Wet at 13.5 ft.	▽				
	14.0 to 14.5 ft. With gravel to 0.5-in. diameter.					Water encountered during drilling at 13.5 ft.
15						Borehole terminated at 15.0 ft. on 2/25/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 11.4 ft. at 1007, and at 11.5 ft. at 1017. Water sample B4-W collected at 1020; no odor or sheen on sample.
20						Borehole grouted on 2/25/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B5	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Adjacent to former sump near entrance		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/24/09 1100	DATE & TIME FINISHED: 2/24/09 1113
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 14.0 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 5.0 ft. Brown clayey sand (FILL); medium dense, moist, with gravel to 0.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor. 2.0 to 5.0 ft. Bluish green discoloration.	FILL			0	
		X	B5-4.0			0 to 5 ft. 4.8 ft. recovery
5	5.0 to 7.5 ft. Black clay (CL); stiff, moist, with organic matter. No PHC odor.	CL			0	
	7.5 to 14.0 ft. Dark brown silty clay (CL); medium stiff, moist. No PHC odor.	X	B5-8.0			5 to 10 ft. 4.8 ft. recovery
10		CL ▼			0	10 to 15 ft. 4.5 ft. recovery
	14.0 to 15.0 ft. Dark brown gravelly clayey sand (SW); loose, wet, with gravel to 0.75-in. diameter. No PHC odor.	▽ SW			0	Water encountered during drilling at 14.0 ft.
15						Borehole terminated at 15.0 ft. on 2/24/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 11.0 ft. at 1115, and at 10.7 ft. at 1120. Sample B5-W collected at 1125; no odor or sheen on sample.
20						Borehole grouted on 2/24/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B6	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Adjacent to west waste oil UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/25/09 1055	DATE & TIME FINISHED: 2/25/09 1120
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 13.5 Feet	NO. OF SAMPLES: 2 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Asphalt and Road Base.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 2.0 ft. Grayish black clay (CL); stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL			0	
	2.0 to 4.0 ft. Gravelly clayey silt (ML); medium stiff, moist, with gravel to 1.0-in. diameter. No PHC odor. 3.0 to 4.0 ft. Bluish gray discoloration.	ML			0	
5	4.0 to 6.0 ft. Dark brown clay (CL); stiff, moist, with orange mottling and roots. No PHC odor. X	CL	B6-5.0		0	0 to 5 ft. 4.6 ft. recovery
	6.0 to 14.5 ft. Olive brown clayey silt (ML); medium stiff, moist. No PHC odor.					5 to 10 ft. 4.8 ft. recovery
10	X	ML	B6-10.0		0	10 to 15 ft. 4.4 ft. recovery
	13.0 to 13.5 ft. With fine sand. Wet at 13.5 ft.	▼ ▽				
15	14.5 to 15.0 ft. Silty gravel (GM); saturated, with gravel to 0.25-in. diameter. No PHC odor.	GM			0	Water encountered during drilling at 13.5 ft.
						Borehole terminated at 15.0 ft. on 2/25/09. Water level measured at 12.2 ft. at 1124, and at 12.4 ft. at 1134. No water sample collected.
20						Borehole grouted on 2/25/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B7	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Inside service area next to oil dispensers		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/24/09 0930	DATE & TIME FINISHED: 2/24/09 1000
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 13.5 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 5.0 ft. Brown clayey sand (FILL); loose, moist, with gravel to 1.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	FILL			0	
	X		B7-4.0			
5	5.0 to 8.0 ft. Black clay (CL); stiff, moist, with organic matter. No PHC odor.	CL			0	0 to 5 ft. 4.5 ft. recovery
	X		B7-8.0		0	5 to 10 ft. 4.6 ft. recovery
10	8.0 to 12.0 ft. Dark brown silt (ML); stiff, moist, with some gravel to 0.25-in. diameter. No PHC odor.	ML				10 to 15 ft. 4.8 ft. recovery
	12.0 to 13.5 ft. Dark brown silty clay (CL); medium stiff, moist. No PHC odor.	CL			0	
	13.5 to 14.0 ft. Dark brown clayey fine sand (SP); loose, wet. No PHC odor.	SP			0	Water encountered during drilling at 13.5 ft.
15	14.0 to 15.0 ft. Dark brown silty clay (CL); medium stiff, moist. No PHC odor.	CL				Borehole terminated at 15.0 ft. on 2/24/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 12.7 ft. at 1004, and at 12.6 ft. at 1014. Sample B7-W collected at 1020; no odor or sheen on sample.
20						Borehole grouted on 2/24/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B8	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Adjacent to car wash sump		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/24/09 1230	DATE & TIME FINISHED: 2/24/09 1302
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 12.5 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 3.0 ft. Brown clayey sand (FILL); medium dense, moist, with gravel to 0.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor. 1.5 to 3.0 ft. Slight bluish green discoloration.	FILL			0	
5	3.0 to 8.0 ft. Black silty clay (CL); stiff, moist, with roots. No PHC odor. X	CL	B8-4.0		0	0 to 5 ft. 4.6 ft. recovery
10	8.0 to 12.5 ft. Olive brown silty clay (CL); medium stiff, moist, with roots. No PHC odor. X	CL	B8-8.0		0	5 to 10 ft. 4.6 ft. recovery 10 to 15 ft. 4.8 ft. recovery
	12.5 to 13.0 ft. Dark brown clayey sand (SW); loose, wet. No PHC odor.	SW			0	
15	13.0 to 15.0 ft. Olive brown silty clay (CL); soft, wet. No PHC odor.	CL			0	Water encountered during drilling at 12.5 ft.
20						Borehole terminated at 15.0 ft. on 2/24/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 12.1 ft. at 1306, and at 11.9 ft. at 1316. Sample B8-W collected at 1320; no odor or sheen on sample. Borehole grouted on 2/24/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B9	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Adjacent to east waste oil UST		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/25/09 1230	DATE & TIME FINISHED: 2/25/09 1240
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 11.0 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Asphalt and Road Base.		No Well Constructed			
	0.3 to 1.0 ft. Dark grayish black clay (CL); stiff, moist. No Petroleum Hydrocarbon (PHC) odor.	CL			0	Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	1.0 to 4.0 ft. Brown silt (ML); stiff, moist, with some gravel to 0.25-in. diameter. No PHC odor.	ML			0	
5	4.0 to 8.5 ft. Dark grayish black clay (CL); stiff, moist, with roots and wood fragments. No PHC odor. X	CL	B9-5.0		0	0 to 5 ft. 4.8 ft. recovery
	7.0 ft. Color change to dark brown.					5 to 10 ft. 4.4 ft. recovery
10	8.5 to 15.0 ft. Olive green silt (ML); medium stiff, moist. No PHC odor. X	▼ ▽ ML	B9-10.0		0	10 to 15 ft. 4.6 ft. recovery
	11.0 ft. Wet; color change to bluish green.					Water encountered during drilling at 11.0 ft.
15						Borehole terminated at 15.0 ft. on 2/25/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 8.5 ft. at 1241, and at 9.6 ft. at 1251. Water sample B9-W collected at 1255; no odor or sheen on sample.
20						Borehole grouted on 2/25/09 using a tremie pipe and neat cement grout.
25						
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B10	PROJECT NO.: 0471	PROJECT NAME: Crown Chevrolet Dealership, Dublin	
BORING LOCATION: Inside building near outside carwash area		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Joe	DATE & TIME STARTED: 2/24/09 1240	DATE & TIME FINISHED: 2/24/09 1358
DRILLING EQUIPMENT: Geoprobe 6600			
COMPLETION DEPTH: 17.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLD	CHECKED BY:
FIRST WATER DEPTH: 14.5 Feet	NO. OF SAMPLES: 2 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	WELL CONSTRUCTION LOG	BLOW COUNT PER 6"	PID	REMARKS
	0.0 to 0.3 ft. Concrete slab.		No Well Constructed			Borehole continuously cored using a 5-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler. The sampler was lined with 5-foot-long 1.5-inch O.D. transparent PVC tubes.
	0.3 to 2.0 ft. Brown gravelly sand (FILL); loose, dry, with gravel to 0.5-in. diameter. No Petroleum Hydrocarbon (PHC) odor.	FILL			0	
	1.0 to 1.5 ft. With dry oily staining.					
	2.0 to 3.5 ft. Black silty clay (CL); stiff, moist, with roots. No PHC odor.	CL			0	
	3.5 to 5.0 ft. Brown silt (ML); stiff, dry, with minor gravel to 0.25-in. diameter. No PHC odor.	X ML	B10-4.0		0	
5						0 to 5 ft. 4.2 ft. recovery
	5.0 to 13.0 ft. Black silty clay (CL); stiff, moist, with roots. No PHC odor.					
		X CL	B10-8.0			5 to 10 ft. 4.6 ft. recovery
10					0	
						10 to 15 ft. 4.0 ft. recovery
	13.0 to 16.0 ft. Olive green silty clay (CL); medium stiff, moist. No PHC odor. Wet at 14.5 ft.	CL			0	15 to 17 ft. 2.0 ft. recovery
15						
	16.0 to 17.0 ft. Olive green clayey sand (SC); loose, wet. No PHC odor.	SC			0	Water encountered during drilling at 14.5 ft.
20						Borehole terminated at 17.0 ft. on 2/24/09. Temporary 1-in. diam. slotted PVC casing placed in borehole. Water level measured at 12.9 ft. at 1400 and at 1410, at 13.0 ft. at 1450, and at 12.9 ft. at 1500. Water sample B10-W collected at 1510; no odor or sheen on sample.
25						Borehole grouted on 2/24/09 using a tremie pipe and neat cement grout.
30						

DATE DRILLED 12/16/10 BORING NO. NM-B-1

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		ML	FILL: Dark brown, dry, clayey SILT.
		X				0			
						0			
						0			
		X				0			
5								SM	ALLUVIUM: Dark brown, dry, sandy SILT.
						0			
						0			
						0			Moist.
						0			
10						0			
						0			
						0			
						0			Soft.
				▼		0			
						0			
15									Total depth = 15 feet bgs.
									No groundwater initially observed, groundwater sampled on 12/16/10.
									Backfilled with Portland cement on 12/16/10.
20									

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BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 12/16/10 BORING NO. NM-B-2

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 6 inches thick.
						0		SM	FILL: Dark brown, dry, sandy SILT.
		X				0			
						0			
						0			
		X				0			
5						0			
								SM	ALLUVIUM: Light brown, moist, sandy SILT.
						0			
						0			
						0			Soft.
10						0			
				▼		0			
						0			
						0			
						0			
15									Total depth = 15 feet bgs.
									No groundwater initially observed, groundwater sampled on 12/16/10.
									Backfilled with Portland cement on 12/16/10.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 12/16/10 BORING NO. NM-B-3

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Dark brown, dry, sandy SILT.
		X				0			
						0			
						0		ML	ALLUVIUM: Dark brown, dry, clayey SILT.
		X				0			
5									
						0			
						0			
						0			
						0			Light brown, moist, clayey SILT.
						0			
						0			
10									
						0			
						0			
				▼		0			
						0			
						0			
15									
						0			
						0			
						0			
						0			
20						0			

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BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs. No groundwater initially observed, groundwater sampled on 12/16/10. Backfilled with Portland cement on 12/16/10.
25									
30									
35									
40									

DATE DRILLED 12/16/10 BORING NO. NM-B-3

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 12/16/10 BORING NO. NM-B-4

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 6 inches thick.
						0		SM	FILL: Dark brown, dry, sandy SILT.
		X				0			
						0			
						0			
		X				0			
5								ML	ALLUVIUM: Dark brown, dry, clayey SILT.
						0			
						0			
						0			Soft, moist.
						0			
						0			
10									
						0			
						0			
						0			
				▼		0			
						0			
						0			
15									
						0			
						0			
						0			
						0			
20						0			

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BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs. No groundwater initially observed, groundwater sampled on 12/16/10. Backfilled with Portland cement on 12/16/10.
25									
30									
35									
40									

DATE DRILLED 12/16/10 BORING NO. NM-B-4

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 12/16/10 BORING NO. NM-B-5

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Dark brown, dry, sandy SILT.
		X				0			
						0			
						0			
		X				0			
5								ML	ALLUVIUM: Dark brown, dry, clayey SILT.
						0			
						0			
						0			
						0			
10						0			
						0			Soft, moist.
						0			
				▼		0			
						0			
15						0			
						0			
						0			
						0			
						0			
20						0			

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs. No groundwater initially observed, groundwater sampled on 12/16/10. Backfilled with Portland cement on 12/16/10.
25									
30									
35									
40									

DATE DRILLED 12/16/10 BORING NO. NM-B-5

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs.
									No groundwater initially observed, groundwater sampled on 12/16/10.
									Backfilled with Portland cement on 12/16/10.
25									
30									
35									
40									

DATE DRILLED 12/16/10 BORING NO. NM-B-6

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 12/16/10 BORING NO. NM-B-6

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING GEOPROBE

DRIVE WEIGHT _____ DROP _____

SAMPLED BY NSR LOGGED BY NSR REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						70		SM	FILL: Light brown, dry, sandy SILT.
						350			
						750			Green staining.
		X				280			
		X				150			Green staining.
5								ML	ALLUVIUM: Dark brown, dry, clayey SILT.
						60			
		X				10			
						0			
						90			
								CL	Green stained, moist, soft, silty CLAY.
10						105			
						200			
						210			
				▼		180			
						100			
						30			
15								CL	Light brown, moist, soft, silty CLAY.
						0			
						0			
						0			
						0			
20						0			

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD - PHASE II ESA
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696001	1/11	

DATE DRILLED 8/11/11 BORING NO. NM-B-7

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		CL	FILL: Black, moist, CLAY.
						0			
						0			
						0		SM	Yellowish brown, moist, silty SAND.
5						0		CL	ALLUVIUM: Black, moist, silty CLAY.
						0			
						0			
						0			
						0		SM	Brown, moist, silty SAND.
10						0			
								ML	Olive green, moist, sandy SILT.
						0			
						0			
								SM	Yellowish brown, moist, fine silty SAND.
						0			
								ML	Brown, moist, sandy SILT.
						0			
15									Total depth = 15 feet BGS (below ground surface).
									Groundwater encounter at 12.5 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/11/11 BORING NO. NM-B-8

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		CL	FILL: Black, moist, CLAY.
						0			
						0			
						0		SM	Yellowish brown, moist, silty SAND.
5						0			
						0		CL	ALLUVIUM: Brown, moist, silty CLAY.
						0			Dark brown, moist, silty CLAY.
						0			
						0		SM	Brown, moist, silty SAND.
								ML	Olive green, moist, sandy SILT.
10						0			
						0			
						0			
		X		▽		0		SM	Yellowish brown, moist to wet, fine silty SAND.
								ML	Brown, moist, sandy SILT.
						0			
15									Total depth = 15 feet BGS.
									Groundwater encounter at 13 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/11/11 BORING NO. NM-B-9

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		CL	FILL: Black, moist, CLAY.
						0			
						0			
						0		SM	Yellowish brown, moist, silty SAND.
5						0			
						0		CL	ALLUVIUM: Black, moist, silty CLAY.
						0			
						0			
						0		ML	Olive green, moist, sandy SILT.
10						0			
						0			
						0			
		X		▽				SM	Yellowish brown, wet, fine silty SAND.
						0			
								ML	Brown, moist, sandy SILT.
						0			
15									Total depth = 15 feet BGS.
									Groundwater encounter at 12.5 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/11/11 BORING NO. NM-B-10

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Grayish brown, moist, SAND with gravel.
						0		CL	Black, moist, silty CLAY.
						0		SM	Yellowish brown, moist, silty SAND.
						0			
5						0			
						0		CL	ALLUVIUM: Black, moist, silty CLAY.
						0			
						0			Dark brown.
						0		SM	Brown, moist, silty SAND; <5% gravel.
						0		ML	Olive green, moist, sandy SILT.
10						0			
						0			
		X				0		SW	Yellowish brown, moist to wet, fine silty SAND.
						0		ML	Greenish brown, moist, sandy SILT.
15						0			Total depth = 15 feet BGS.
									Groundwater encounter at 12.5 feet. Sampled on 8/11/11.
									Backfilled with Portland cement on 8/11/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/12/11 BORING NO. NM-B-11

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Grayish brown, moist, SAND with gravel <1/2".
						0		CL	Black, moist, silty CLAY.
						0		SM	Yellowish brown, moist, silty SAND.
						0			
5						0			
						0		CL	ALLUVIUM: Black, moist, silty CLAY.
						0			Dark brown.
						0			
						0		SM	Brown, moist, silty SAND.
						0		ML	Olive brown, moist, sandy SILT.
10						0			
						0		SM	Yellowish brown, moist, fine silty SAND.
						0			
						0		ML	Greenish Brown, moist, sandy SILT.
15						0		SM	Yellowish brown, wet, silty fine SAND.
						0			
						0			
						0		CL	Brown, moist, silty CLAY.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet BGS.
									Groundwater encounter at 15 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
25									
30									
35									
40									

DATE DRILLED 8/12/11 BORING NO. NM-B-11

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/12/11 BORING NO. NM-B-12

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Grayish brown, moist, SAND with gravel (<1"D).
						0		CL	Black, moist, silty CLAY.
						0		SM	Yellowish brown, moist, silty SAND.
5						0			
						0		CL	ALLUVIUM: Black, moist, silty CLAY. Dark brown.
						0		SM	Brown, moist, silty SAND; some gravel (<1/2"D).
10						0		ML	Olive brown, moist, sandy SILT.
		X		▽		0		SM	Yellowish brown, moist to wet, fine silty SAND.
15						0		ML	Greenish brown, moist, sandy SILT.
									Total depth = 15 feet BGS.
									Groundwater encounter at 13 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/10/11 BORING NO. NM-B-13

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 8 inches thick.
						0		CL	FILL: Dark brown to black, moist, CLAY.
						0		SM	Yellowish brown, moist, fine silty SAND.
						0		ML	ALLUVIUM: Brown, moist, SILT with little clay.
5						0			Grades to dark brown and black.
						0			Brown, moist, sandy SILT.
10						0			
						0			
				▽		0		SM	Yellowish brown, moist to wet, fine silty SAND.
						0		ML	Olive gray, moist, sandy SILT.
15									Total depth = 15 feet BGS.
									Groundwater encountered at 13.2 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/12/11 BORING NO. NM-B-14

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 4 inches thick.
								SM	FILL:
						0			Brown, moist, silty SAND.
									Yellowish brown, moist, silty SAND with 10% gravel (<1" D).
						0			
								CL	ALLUVIUM:
						0			Olive green, moist, silty CLAY with 5% gravel.
5									Black, moist, silty CLAY.
						0			
						0			Dark brown.
								SM	Greenish brown, silty SAND; <2% gravel (<1.2" D).
						0			
								ML	Olive green, moist, sandy SILT.
						0			
10									Greenish brown.
						0			
						0			
						0			
		X		▽				SM	Yellowish brown, moist to wet, fine silty SAND.
						0			
						0		ML	Brown, moist, sandy SILT.
15								SM	Brown, wet, gravelly SAND.
									Total depth = 15 feet BGS.
									Groundwater encounter at 13.5 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/12/11 BORING NO. NM-B-15

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 4 inches thick.
						0		SM	FILL: Yellowish brown, moist, silty SAND; some gravel (<1/2" D).
						0			
								CL	ALLUVIUM: Black, moist, CLAY.
5						0			
						0			Dark brown, moist, CLAY.
								ML	Brown, moist, sandy SILT; some coarse SAND.
						0			
									Light brown, moist, sandy SILT.
10						0			
						0			
						0			
		X		▽				SM	Yellowish brown, moist to wet, fine silty SAND.
						0			
						0		ML	Olive green, moist, sandy SILT.
						0		SM	Brown, wet, gravelly SAND.
15									Total depth = 15 feet BGS.
									Groundwater encounter at 12.5 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/12/11 BORING NO. NM-B-16

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		ML	FILL: Yellowish brown, moist, sandy SILT; some gravel (<1/2" D).
						0			
5						0		CL	ALLUVIUM: Black, moist, CLAY.
						0			Dark brown, moist, silty CLAY.
						0			Brown, moist, silty CLAY.
10						0			Olive brown, moist, silty CLAY.
						0			
		X				0			
				▽		0		SM	Yellowish brown, moist to wet, fine silty SAND.
						0		ML	Olive brown, moist, sandy SILT.
15									Total depth = 15 feet BGS.
									Groundwater encounter at 12.5 feet. Sampled on 8/12/11.
									Backfilled with Portland cement on 8/12/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/11/11 BORING NO. NM-B-17

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									CONCRETE: Approximately 6 inches thick.
						0		SM	FILL: Brown, dry, silty SAND; some gravel (<1/2" D).
						0			
								CL	ALLUVIUM: Black, moist, CLAY with <10% sand.
5						0			
						0		ML	Brown, moist, sandy SILT.
						0			
									Light brown, moist, sandy SILT.
10						0			
						0			
		X				0			
				▽				SM	Light brown, wet, silty SAND.
						0			
								ML	Light brown, moist, sandy SILT.
						0			
15									Total depth = 15 feet BGS.
									Groundwater encounter at 13 feet. Sampled on 8/11/11.
									Backfilled with Portland cement on 8/11/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/10/11 BORING NO. NM-B-18

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, dry, SILT with some sand.
		X				0		CL	ALLUVIUM: Dark brown, black, moist, CLAY.
5									
						0		ML	Brown, moist, sandy SILT with some sand.
10						0		SM	Light brown, moist, fine silty SAND.
		X		▽					Light brown, moist to wet, fine silty sand.
		X				0			Sand to medium sand.
15									Total depth = 15 feet.
									Groundwater encountered at 13 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-19

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Yellowish brown, dry, SILT.
5		X				0		CL	ALLUVIUM: Dark brown, moist, CLAY.
		X							
						0		ML	Yellowish brown, dry, sandy SILT.
						0		SM	Light brown, moist, silty SAND.
10						0			
				▽					Light brown, moist to wet, silty sand.
		X				0			
15									Total depth = 15 feet.
									Groundwater encountered at 13 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-20

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Greenish gray, moist to dry, SILT with some fine sand.
5						0		CL	ALLUVIUM: Dark brown, black, moist, CLAY.
10						0		SM	Olive green, moist, fine silty SAND.
						0			
						0			
15						0		SW	Yellowish brown, moist, SAND with gravel.
									Total depth = 15 feet.
									Groundwater encountered at 13.5 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-21

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Yellowish brown, dry to moist, SILT with some sand.
5						0		CL	ALLUVIUM: Dark brown to black, moist, CLAY.
						0		ML	Olive brown, moist, sandy SILT.
						0		SW	Yellowish brown, dry to moist, gravelly SAND.
10						0		SM	Olive brown, moist, silty SAND.
						0			Light brown, grade to moist to wet, fine silty sand.
15						0		ML	Yellowish brown, dry to moist, SILT with some sand.
									Total depth = 15 feet.
									Groundwater encountered at 14.5 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-22

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, dry to moist, SILT with clay.
		X						CL	ALLUVIUM: Dark brown to black, moist, CLAY with silt.
5						0			
						0			
						0			
10						0			Olive green, moist, CLAY.
						0			
						0			
						0		SM	Olive brown, moist to wet, silty SAND with little coarse sand.
				▽		0		CL	Brown, moist, CLAY.
15									Total depth = 15 feet.
									Groundwater encountered at 14.5 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-23A

GROUND ELEVATION 340' ± MSL SHEET 1 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Brown moist, clayey SILT.
						0		CL	ALLVIUM: Black, moist, fine sandy CLAY.
5						0			Grades, firm.
						0			
10						0			Light brown, moist, soft, CLAY with silt.
						0			Dark brown, moist, CLAY with silt.
15									
						0		ML	Yellowish brown, moist to wet, fine sandy SILT.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-23A

GROUND ELEVATION 340' ± MSL SHEET 2 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT DROP

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20		■						ML	Yellowish brown, moist to wet, fine sandy SILT.
		■				0			
25		■				0			Light yellowish brown, moist, sandy SILT.
									Light yellowish brown, moist to wet, firm with slight orange mottling.
						0			
30									
						0			
									Yellowish brown, moist, SILT with fine sand.
35								SM	Light brown, moist, fine SAND with silt.
						0			
								ML	Olive brown, moist, sandy SILT.
						0			
40						0		SM	Olive brown, moist, fine silty SAND.

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-23A

GROUND ELEVATION 340' ± MSL SHEET 3 OF 3

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
40						0		SM	Olive brown, moist, fine silty SAND.
						0		SP	Grayish brown, wet, fine SAND with trace silt.
						0		ML	Grayish brown, moist, fine sandy SILT with trace clay.
45									Total depth = 45 feet.
									Groundwater encountered at 43.5 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
50									
55									
60									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-23B

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Brown moist, clayey SILT.
		X				0		CL	ALLUVIUM: Black, moist, fine sandy CLAY.
5		X				0			
						0			
10				▽		0		ML	Olive brown, moist, with fine sandy SILT.
		X				0			
15						0		SM	Olive brown, wet, fine silty SAND.
						0			
20									Brown, moist, fine silt sand.

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 12.7 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
25									
30									
35									
40									

DATE DRILLED 8/8/11 BORING NO. NM-B-23B

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-23B2

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									
						0.1		SP	ASPHALT: Approximately 2 inches thick.
									FILL: Grayish brown, dry, gravelly SAND.
						0		CL	ALLUVIUM: Dark brown, moist, CLAY with some sand.
						0			
						0			
						0			
5		X				0			
						0		SM	Brown, moist, silty SAND; some gravel <1" diameter.
						0			
						0		CL	Olive green, moist, silty CLAY.
						0			
10						0			
						0			
						0			
				▽		0		ML	Olive green, wet, sandy SILT.
						0		CL	Olive green, moist, silty CLAY.
15						0			
						0			
						0		SM	Olive green, wet, silty SAND.
						0		CL	Olive green, moist, silty CLAY.
20						0			

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs.
									Groundwater encountered at 13 feet bgs. Sampled on 9/8/11.
									Backfilled with Portland cement on 9/8/11.
25									
30									
35									
40									

DATE DRILLED 9/8/11 BORING NO. NM-B-23B2

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-23C

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									
						0		SP	ASPHALT: Approximately 2 inches thick.
									FILL:
								ML	Grayish brown, dry, gravelly SAND.
						0			Orange brown, moist, sandy SILT.
						0			
						0			Black, moist, sandy SILT.
						0			
5		X						CL	ALLUVIUM:
						0			Dark brown, moist, sandy CLAY.
						0			
									Olive brown, moist, silty CLAY.
						0			
						0			
10									
						0			
						0			
						0			
								SM	Olive brown, wet, silty SAND.
						0			
						0		CL	Olive brown, moist, silty CLAY.
15									Total depth = 15 feet bgs.
									Groundwater encountered at 13 feet bgs. Sampled on 9/8/11.
									Backfilled with Portland cement on 9/8/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-23D

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 2 inches thick.
						0		SP	FILL: Grayish brown, dry, gravelly SAND.
						0		CL	ALLUVIUM: Grayish brown, moist, sandy CLAY.
						0			
						0			
						0			Black, moist, sandy CLAY.
5		X				0			
						0.1			Dark brown, moist, sandy CLAY.
						0		SM	Brown, moist, silty SAND; some gravel <1" diameter.
						0			
						0		CL	Olive brown, moist, silty CLAY.
10						0			
						0			
						0			
								SM	Olive brown, wet, silty SAND.
						0			
						0		CL	Olive brown, moist, silty CLAY.
15						0			
						0			
								SM	Olive brown, moist, silty SAND.
						0			
								CL	Olive brown, moist, silty CLAY.
						0			
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs.
									Groundwater encountered at 12.5 feet bgs. Sampled on 9/8/11.
									Backfilled with Portland cement on 9/8/11.
25									
30									
35									
40									

DATE DRILLED 9/8/11 BORING NO. NM-B-23D

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-23E

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT DROP

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT: Approximately 2 inches thick.
						0		SP	FILL: Greenish brown, dry, clayey gravelly SAND.
						0		CL	ALLUVIUM: Dark brown, moist, sandy CLAY.
						0			
						0			
						0			
5		X				0			Brown, moist, silty CLAY.
						0			
						0			
						0			Olive green, moist, silty CLAY.
						0			
						0			
10						0			Olive brown, moist, silty CLAY.
						0			
						0			
				▽		0		SM	Olive green, wet, silty SAND.
						0		CL	Olive green, moist, silty CLAY.
15						0			
						0			
						0			
						0			
						0			Gray, moist, silty CLAY.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet bgs.
									Groundwater encountered at 12 feet bgs. Sampled on 9/8/11.
									Backfilled with Portland cement on 9/8/11.
25									
30									
35									
40									

DATE DRILLED 9/8/11 BORING NO. NM-B-23E

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-24

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Brown, dry to moist, SILT.
5						0		CL	ALLUVIUM: Dark brown, moist, CLAY.
						0		ML	Brown, moist, sandy SILT.
10						0		SM	Light brown, moist, fine silty SAND.
						0			
						0			
						0		SP	Light brown, moist to wet, fine SAND with trace little silt.
15						0		ML	Brown, moist, SILT with little fine sand.
20									Total depth = 15 feet. Groundwater encountered at 11.45 feet. Sampled on 8/10/11. Backfilled with Portland cement on 8/10/11.

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-25

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								CL	FILL: Dark brown, moist, CLAY with silt.
						0			
						0			
		X							
5		X						ML	ALLUVIUM: Light brown, moist, sandy SILT.
						0			
						0			
10									
						0			
		X							
				▽				SM	Light brown, moist to wet, fine silty SAND.
						0			
15									Total depth = 15 feet.
									Groundwater encountered at 13.8 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-26

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Brown, dry, silt.
						0		CL	Dark brown, moist, CLAY.
5						0		ML	ALLUVIUM: Olive gray, moist, SILT.
						0		SM	Light brown, moist, fine silty SAND.
10				▽		0		ML	Brown, moist, sandy SILT.
						0		SP	Olive gray, moist, fine SAND.
		☒				0		ML	Olive gray, moist, SILT with some sand, odor.
						0		SM	Brown to gray, moist, fine silty SAND, no odor.
15									Total depth = 15 feet.
									Groundwater encountered at 10.75 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/8/11 BORING NO. NM-B-27

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									No recovery.
						0			
						0			
		X							
5								CL	ALLUVIUM:
								ML	Dark black, moist, CLAY.
						0			Olive brown, moist, sandy SILT.
		X							
						0			
10				▽					
						0			Olive green, moist, with green mottling, slight odor, SILT with trace sand.
								SM	Light brown, moist, fine silty SAND.
		X				0			
15								ML	Olive brown, moist, SILT with some fine sand.
						0			
								SM	Yellowish brown, moist to wet, silty SAND.
						0			
								ML	Brown, moist, SILT.
						0			
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 10.5 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
25									
30									
35									
40									

DATE DRILLED 8/8/11 BORING NO. NM-B-27

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-28

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		CL	FILL: Dark brown, moist, CLAY.
5						0		ML	ALLUVIUM: Brown, moist, sandy SILT.
						0		ML	Brown, moist, sandy SILT.
						0		SM	Light brown, moist, fine silty SAND.
10						0		SP	Olive gray, moist, fine SAND.
						0		ML	Olive gray, moist, sandy SILT with hydrocarbon odor.
						0			
15						0		SM	Light brown, moist, fine silty SAND; no odor.
									Total depth = 15 feet.
									Groundwater encountered at 9.9 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
20									

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-29

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, dry to moist, SILT with little coarse sand.
5						0		CL	ALLUVIUM: Dark brown, moist, CLAY.
						0		ML	Dark blue to gray, moist, sandy SILT.
10						0 0 0 0		SM	Light brown, moist, fine silty SAND. Grades to moist to wet.
15						0		ML	Dark brown, moist, sandy SILT.
									Total depth = 15 feet. Groundwater encountered at 11.7 feet. Sampled on 8/10/11. Backfilled with Portland cement on 8/10/11.
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-30

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, dry, SILT with medium coarse sand.
5						0		CL	ALLUVIUM: Dark brown, moist, CLAY.
						0		ML	Olive brown, moist, SILT with little sand.
10				▽		0		SM	Yellowish brown, moist, fine silty SAND.
						0			
						0			Grades to olive green with gray mottling, hydrocarbon odor.
						0		ML	Olive brown, moist, SILT.
15		X				0		SM	Olive brown, moist, fine silty SAND.
20									Total depth = 15 feet. Groundwater encountered at 10.8 feet. Sampled on 8/10/11. Backfilled with Portland cement on 8/10/11.

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-31

GROUND ELEVATION 340' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, moist, SILT.
						0			
5						0		CL	ALLUVIUM: Dark brown to black, moist, CLAY.
						0		SM	Yellowish brown, moist, silty SAND.
						0		ML	Brown, moist, sandy SILT.
10						0		SM	Brown, moist, silty SAND.
		X		▽		0			
						0			
15						0			Yellowish brown, moist to wet, fine silty SAND.
20									Total depth = 15 feet. Groundwater encountered at 12.4 feet. Sampled on 8/10/11. Backfilled with Portland cement on 8/10/11.

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-32

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		SM	ALLUVIUM: Yellowish brown, dry, moist, silty SAND.
						0			
								CL	Dark brown to black, moist, CLAY.
5						0			
								ML	Olive brown, moist, sandy SILT.
						0			
								SM	Yellowish brown, moist, silty SAND.
						0			
10									Grades with increasing SILT.
						0			
									Yellowish brown, moist to wet, silty SAND.
		X		▽					
						0			
								ML	Dark brown, moist, sandy SILT.
15						0			
								SM	Light brown, wet, fine silty SAND.
						0			
						0			
						0			
20									Light brown, moist to wet, fine silty SAND.

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 13.5 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
25									
30									
35									
40									

DATE DRILLED 8/9/11 BORING NO. NM-B-32

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-32A

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									
								SP	ASPHALT: Approximately 2 inches thick.
						0			FILL: Brown, dry, gravelly SAND.
								SM	ALLUVIUM: Yellowish brown, dry, silty SAND.
						0.1			
								ML	Dark brown, moist, sandy SILT.
						0			
						0			
						0			
5		X							
						0			
						0			Olive green, moist, sandy SILT.
						0			
						0			
						0			
10									Orange brown, moist, sandy SILT.
						0			
									Olive brown, moist, sandy SILT.
						0			
						0			
				▽				SM	Olive brown, moist, silty SAND.
						0			
								CL	Olive brown, moist, silty CLAY.
						0			
15									
						0			
						0			
								SM	Olive brown, moist, silty SAND.
						0			
								CL	Olive brown, moist, silty CLAY.
						0			
						0			
20									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 9/8/11 BORING NO. NM-B-32A

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY DBB LOGGED BY DBB REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20						0		CL	Olive brown, moist, silty CLAY.
						0			
						0			
						0			
						0		SM	Light brown, moist, silty SAND.
25									Total depth = 25 feet bgs.
									Groundwater encountered at 13 feet bgs. Sampled on 9/8/11.
									Backfilled with Portland cement on 9/8/11.
30									
35									
40									

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-33

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Light brown, moist, SILT.
						0			
5						0			Dark brown, moist, SILT with trace fine sand.
						0		SM	ALLUVIUM: Light brown, moist, silty SAND.
						0			
10				▽		0			
						0		ML	Grayish brown, moist with orange mottling, SILT with fine sand.
		X				0			
15						0			
						0		SM	Yellowish brown, moist to wet, silty SAND.
						0		ML	Brown, moist, SILT with trace fine sand.
20						0			

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 10.1 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
25									
30									
35									
40									

DATE DRILLED 8/9/11 BORING NO. NM-B-33

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/9/11 BORING NO. NM-B-34

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0		ML	FILL: Brown, moist, SILT with some fine sand.
						0			
								SM	ALLUVIUM: Yellowish brown, moist, fine silty SAND.
5						0			
						0		ML	Dark brown, moist, sandy SILT.
						0			
								SM	Yellowish brown, moist, silty SAND.
10						0			
						0		ML	Olive brown, moist, SILT with little fine sand.
				▽		0			
								SM	Light brown, moist, silty SAND.
15						0			
		☒				0			Yellowish brown, moist, silty SAND.
								ML	Brown, moist, SILT with little fine sand.
20						0			

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 12.4 feet. Sampled on 8/9/11.
									Backfilled with Portland cement on 8/9/11.
25									
30									
35									
40									

DATE DRILLED 8/9/11 BORING NO. NM-B-34

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/10/11 BORING NO. NM-B-35

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						0			Asphalt.
						0		CL	FILL: Dark brown, moist, CLAY with little silt.
5						0			
						0		SM	ALLUVIUM: Light brown, dry, silty SAND.
10						0			
						0			Grades with medium sand.
				▽		0			Light brown, moist, fine silty SAND.
15						0			Wet, fine silty SAND.
						0		ML	Dark brown, moist, sandy SILT.
20						0		SM	Yellowish brown, moist, fine silty SAND.

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BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 14 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
25									
30									
35									
40									

DATE DRILLED 8/10/11 BORING NO. NM-B-35

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DATE DRILLED 8/10/11 BORING NO. NM-B-36

GROUND ELEVATION 340' ± MSL SHEET 1 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									Asphalt.
						0		ML	FILL: Dark brown, dry to moist, SILT with little coarse sand.
						0			
5						0			
						0			
								SM	ALLUVIUM: Light brown, dry, silty SAND with little coarse sand.
10						0			
						0			
									Light brown, moist, decreasing coarse sand.
				▽		0			
15									Light brown, moist, fine silty SAND.
						0			
									Moist to wet, fine silty SAND.
						0			
20						0		ML	Dark brown, moist, sandy SILT with clay.

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									Total depth = 20 feet.
									Groundwater encountered at 14 feet. Sampled on 8/10/11.
									Backfilled with Portland cement on 8/10/11.
25									
30									
35									
40									

DATE DRILLED 8/10/11 BORING NO. NM-B-36

GROUND ELEVATION 340' ± MSL SHEET 2 OF 2

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT _____ DROP _____

SAMPLED BY RLW LOGGED BY RLW REVIEWED BY KML

Ninyo & Moore

BORING LOG

7544 DUBLIN BOULEVARD & 6707 GOLDEN GATE DRIVE
DUBLIN, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401696004	9/11	

APPENDIX C

Groundwater and Soil Vapor Sampling Field Records

Boring

WELL SAMPLING AND/OR ~~DEVELOPMENT~~ RECORD

amec

Well ID: SB-33

Sample ID: SB-33 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: 0D1016.0070.00002

Project Name: Crown Chevy

Date: 8/28/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: ~~13.25'~~ 16.40'

Depth to Water after Sampling: 17.84'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0830	19.5	200	500 (initial reading)	19.73	7.11	1277	5.82	41.4	986 NTU
0835	↓	↓	1000	19.76	6.94	1275	4.23	38.0	841 NTU
0838			2000	19.81	6.92	1277	3.77	37.0	908 NTU
0841			3000	19.82	6.91	1284	3.77	36.5	886 NTU
—	Sample @ 0845 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Boring

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-34

Sample ID: SB-34 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: 0D10160070.00002

Project Name: Crown Chevy

Date: 8/27/12

Sampled By: H. Young

Method of Purging: Peri-pump

Method of Sampling: Peri-pump

Initial Depth to Water: 13.30'

Depth to Water after Sampling: 13.33'

Total Depth to Well: 20'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1411	19.5	200	Initial reading	21.69	6.79	1384	5.39	58.7	<1000 NTU
1416			1000	21.11	6.03	1373	2.95	43.9	<1000 NTU
1418			1400	21.01	6.15	1373	2.36	59.3	<1000 NTU
1420			1800	20.75	6.23	1373	2.07	51.6	<1000 NTU
1425			2200	20.74	6.26	1373	2.00	49.2	<1000 NTU
1428			2800	20.66	6.33	1372	1.86	44.7	<1000 NTU
1433			3800	20.62	6.42	1373	1.59	37.8	887 NTU
1438			4800	20.57	6.45	1373	1.38	34.0	818 NTU
1443			5800	20.57	6.56	1373	1.17	26.7	791 NTU
—	Sampled @ 1445 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL ~~SAMPLING~~ Boring AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-35
Sample ID: SB-35 Duplicate ID: N/A
Sample Depth: 19.5'
Project and Task No.: 0D10160070.00002
Project Name: Crown Chevy
Date: 8/28/12
Sampled By: H. Young
Method of Purging: peri-pump
Method of Sampling: " "

Initial Depth to Water: 12.50'
Depth to Water after Sampling: 12.57'
Total Depth to Well: 20.0'
Well Diameter: 0.75"
1 Casing/Borehole Volume: N/A
(Circle one)
4 Casing/Borehole Volumes:
(Circle one)
Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ mL	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0755	19.5	200	500 initial reading	19.52	6.85	1402	2.41	29.9	63 NTU
0800	↓	↓	1000	19.47	6.83	1402	1.87	1.8	49.0 NTU
0803			2000	19.44	6.84	1403	1.75	0.2	28.4 NTU
0806			3000	19.45	6.82	1403	1.64	0.3	21.3 NTU
0809			4000	19.45	6.82	1404	1.50	0.2	18.9 NTU
Sampled @ 0810 for VOCs + TPHg									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL Boring SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-38

Sample ID: SB-38 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: OD10160070

Project Name: Crown Chevy

Date: 8/28/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 13.28'

Depth to Water after Sampling: 13.35'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1402	19.5'	200	500 ml (initial reading)	22.74	7.10	1220	4.61	58.6	2275 NTU
1405			1100	23.64	6.19	1219	3.55	76.4	1409 NTU
1408			1700	23.47	6.32	1221	3.15	49.8	908 NTU
1411			2300	23.34	6.37	1222	2.76	40.0	643 NTU
1414			2900	23.00	6.29	1224	2.09	43.5	88 NTU
1417			3500	23.07	6.29	1221	1.74	40.2	78.6 NTU
	Sampled @ 1420 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR ~~DEVELOPMENT~~ RECORD

Bailing

amec

Well ID: SB-39

Sample ID: SB-39 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: OD10160070.00002

Project Name: Crown Chevy

Date: 8/28/12

Sampled By: HGoung

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 13.18'

Depth to Water after Sampling: 13.16'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1200	19.5'	200	500 ml initial reading	22.60	7.20	1354	4.24	78.7	1350 NTU
1203	↓	↓	1500	23.26	6.91	1337	2.48	37.1	1340 NTU
1206			2500	23.10	6.86	1336	2.15	17.7	970 NTU
1209			3500	23.12	6.84	1336	1.76	~~-1~~ -4.4	786 NTU
1212			4500	23.08	6.84	1335	1.59	-4.7	694 NTU
1215			5500	22.98	6.83	1335	1.45	-7.5	627 NTU
1218	↓	↓	6500	22.90	6.82	1335	1.38	-11.9	503 NTU
—	Sampled @ 1220 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL ~~SAMPLING~~ Boring
AND/OR ~~DEVELOPMENT~~ RECORD

amec

Well ID: SB-40
Sample ID: SB-40 Duplicate ID: N/A
Sample Depth: 19.5'
Project and Task No.: 0D10160070.00002
Project Name: Chevy
Date: 8/29/12
Sampled By: H. Young
Method of Purging: peri-pump
Method of Sampling: " "

Initial Depth to Water: 16.12'
Depth to Water after Sampling: 16.05'
Total Depth to Well: 20.0'
Well Diameter: 0.75"
1 Casing/Borehole Volume: N/A
(Circle one)
4 Casing/Borehole Volumes:
(Circle one)
Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (~~gal~~) ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0725	19.5'	200	500ml initial reading	19.12	6.52	1364	2.69	164.6	2981 NTU
0730			1500	19.14	6.69	1365	1.81	151.2	2653 NTU
0733			2100	19.16	6.72	1365	1.63	145.6	948 NTU
0736			2700	19.17	6.75	1364	1.57	140.9	63.5 NTU
0739			3300	19.18	6.75	1365	1.49	138.4	50.1 NTU
—	Sampled @ 0740 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL ~~SAMPLING~~ Boring AND/OR ~~DEVELOPMENT~~ RECORD

amec

Well ID: SB-41

Sample ID: SB-41 Duplicate ID: N/A

Sample Depth: 18.5'

Project and Task No.: 0010160070 .00002

Project Name: Crown Chevy

Date: 8/29/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 16.14'

Depth to Water after Sampling: 16.00'

Total Depth to Well: 19.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0758	18.5'	200	500 (initial reading)	19.61	6.82	1197	2.47	128.7	1935 NTU
0801	↓	↓	1100	19.63	6.78	1195	2.30	127.8	903 NTU
0804			1700	19.73	6.76	1194	2.00	126.3	96 NTU
0807			2300	19.68	6.76	1196	1.85	125.7	93 NTU
0810			2900	19.68	6.75	1196	1.80	123.6	43.6 NTU
	Sampled @ 0810 for VOCs + TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL (Boring) SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-42

Sample ID: SB-42 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: 0D101600070.00002

Project Name: Crown Chevy

Date: 9/4/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: peri-pump

Initial Depth to Water: 13.56'

Depth to Water after Sampling: 13.70'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1214	19.5	200	500ml (initial reading)	21.24	7.10	1354	3.54	32.1	1608 NTU
1219	↓	↓	1500	21.98	6.93	1343	2.33	-42.0	1390 NTU
1224			2500	22.09	6.93	1343	2.10	-56.1	1162 NTU
1230			3300	22.08	6.91	1344	1.79	-61.6	1124 NTU
1235	↓	↓	4300	21.84	6.89	1345	1.57	-62.6	1269 NTU
Sampled @ 1235 for VOCs + TPHg									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Boring

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-43

Sample ID: SB-43 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: OD12160070.00002

Project Name: Crown Chevy

Date: 9/4/12

Sampled By: H. Young

Method of Purging: Peri-pump

Method of Sampling: " "

Initial Depth to Water: 14.05'

Depth to Water after Sampling: 14.90'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1547	19.5'	200	500 ml (initial reading)	23.32	6.85	1277	3.37	12.0	1793 NTU
1552	↓	↓	1500	22.96	6.77	1223	1.60	0.1	805 NTU
1555			2100	22.73	6.71	1224	1.36	-0.8	301 NTU
1558			2700	22.68	6.66	1222	1.20	-0.3	47.0 NTU
1602			3500	22.38	6.70	1222	1.10	-2.0	31.6 NTU
Sampled @ 1605 for VOCs + TPHg									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Boring

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-44

Sample ID: SB-44 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: OD10160076.00002

Project Name: Crown Chevrolet

Date: 9/5/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 13.57'

Depth to Water after Sampling: 14.03'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0752	19.5'	200	500ml (initial reading)	20.48	6.68	1319	4.25	70.2	1687 NTU
0757	↓	↓	1500	20.30	6.68	1338	2.04	-9.7	702 NTU
0802	↓	↓	2500	20.27	6.68	1348	1.55	-23.9	68.3 NTU
0807	↓	↓	3500	20.22	6.67	1348	1.48	-16.4	45.3 NTU
0810	↓	↓	4100	20.22	6.67	1349	1.35	-16.4	46.6 NTU
Sampled @ 0810 for VOCs + TPHg									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Boring

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-45

Sample ID: SB-45 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: OD10160070.00002

Project Name: Crown Chevrolet

Date: 9/5/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 14.03'

Depth to Water after Sampling: 14.38'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0832	19.5'	200	500	20.78	6.99	1131	3.26	39.1	777 NTU
0837	↓	↓	1500	20.38	6.88	1131	2.27	31.5	56 NTU
0840			2100	20.11	6.88	1132	2.17	29.3	64 NTU
0843			2700	20.19	6.86	1132	1.97	33.1	52.7 NTU
—	Sampled @ 0845 for VOCs+TPHg								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Document2

Boring

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: SB-46

Sample ID: SB-46 Duplicate ID: N/A

Sample Depth: 19.5'

Project and Task No.: 0010116 0070.00002

Project Name: Crown Chevrolet

Date: 9/5/12

Sampled By: H. Young

Method of Purging: peri-pump

Method of Sampling: " "

Initial Depth to Water: 12.33'

Depth to Water after Sampling: 12.33'

Total Depth to Well: 20.0'

Well Diameter: 0.75"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0902	19.5'	200	500	20.98	7.00	1099	1.39	26.7	783 NTU
0907	↓	↓	1500	20.69	6.93	1104	0.64	-11.3	39 NTU
0912			2500	20.77	6.92	1102	0.50	-26.6	39 NTU
0915			3100	20.82	6.92	1104	0.46	-31.8	19.4 NTU
0918				20.82	6.91	1104	0.44	-35.1	12.1 NTU
Sampled @ 0920 for VOCs + TP Hg									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Boring
~~WELL~~ SAMPLING
AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-01
Sample ID: _____ Duplicate ID: _____
Sample Depth: 17-22' bgs
Project and Task No.: 00101160070
Project Name: 7455 Dublin Blvd
Date: 8/30/12
Sampled By: NF
Method of Purging: peristaltic pump
Method of Sampling: peristaltic pump

Initial Depth to Water: 14.84
Depth to Water after Sampling: _____
Total Depth to Well: 22'
Well Diameter: 3.25"
1 Casing/Borehole Volume: NA
(Circle one)
4 Casing/Borehole Volumes: NA
(Circle one)
Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1145	21.5	NA	Ø	–	–	–	–	–	start purge
1147	21.5	300ml/m	600mL	21.70	6.74	1319	5.62	47.5	
1149	21.5	300ml/m	900mL	21.74	6.73	1343	1.73	-46.2	
1150	21.5	300ml/m	1200mL	21.13	6.73	1345	1.24	-74.8	
1151	21.5	300ml/m	1500mL	21.28	6.73	1345	1.17	-84.7	
1152	21.5	300ml/m	1800mL	21.28	6.74	1348	1.17	-89.9	stop purge
1155									collect sample

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Document2

Boring
~~WELL~~ SAMPLING
AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-02
Sample ID: _____ Duplicate ID: _____
Sample Depth: 15-20'
Project and Task No.: 0010160070
Project Name: Crown cherry
Date: 8/30/12
Sampled By: Nina Fitzn
Method of Purging: peristaltic
Method of Sampling: peristaltic

Initial Depth to Water: 10.9'
Depth to Water after Sampling: _____
Total Depth to Well: 20'
Well Diameter: 3.25"
1 Casing/Borehole Volume: NA
(Circle one)
4 Casing/Borehole Volumes: NA
(Circle one)
Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1240	19.5	300	Ø						start purge
1241									stop purge
1243									start purge
1245	19.5	300	900	23.98	7.64	930	8.17	50.9	
1246	19.5	300	1200	23.59	7.43	939	5.33	42.1	
1247	19.5	300	1500	23.34	7.31	935	4.43	35.2	
1248	19.5	300	1800	23.30	7.27	931	4.09	26.5	
1249	19.5	300	2100	23.35	7.24	930	3.90	20.4	stop purge
1252									collect sample

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Document2

Boring
~~WELL~~ SAMPLING
AND/OR ~~DEVEL~~OPMENT RECORD

amec

Well ID: MW-03

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: _____

Project Name: _____

Date: _____

Sampled By: _____

Method of Purging: _____

Method of Sampling: _____

Initial Depth to Water: _____

Depth to Water after Sampling: _____

Total Depth to Well: _____

Well Diameter: _____

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: _____
(Circle one)

Total Casing/Borehole
Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ mL	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0844	19.5	200	Ø						Start purge
0847	19.5	200	600	18.84	7.24	1156	6.41	92.1	
0848	19.5	200	800	18.79	6.97	1170	3.56	63.4	
0849	19.7	200	1000	18.75	6.90	1164	3.12	22.1	
0850	19.5	200	1200	18.73	6.84	1159	2.72	-13.6	stop purge
0853									collect sample

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WATER LEVEL MONITORING RECORD

amec

Project Name: Crown Chevrolet Project and Task Number: OD10160070.00002

Date: 9-6-12 Measured by: Steve Korbay Instrument Used: _____

Note: For your convenience, the following abbreviations may be used.

P = Pumping I = Inaccessible D = Dedicated Pump
ST = Steel Tape ES = Electric Sounder MP = Measuring Point WL = Water Level

Well No.	Time	MP Elevation (feet)	Water Level Below MP (feet)	Water Level Elevation (feet)	Previous Water Level Below MP	Remarks
MP-01-1	0720		13.30			17.15 tagged
MP-01-2	0723		14.33			43.08 "
MP-01-3	0725		1.23			57.55 "
MW-01	0730		14.60			20.85 "
MW-02	0733		10.86			19.67 "
MP-02-1	0739		11.80			13.00 tagged
MP-02-2	0740		12.35			37.00 "
MP-02-3	0741		6.05			57.75 "
MP-03-1	0744		12.91			14.36 "
MP-03-2	0745		11.03			42.38 tagged
MP-03-3	0747		2.45			56.18 "
MP-04-1	0750		12.24			15.36 "
MP-04-2	0752		12.74			41.39 "
MP-04-3	0754		1.44			58.00 tagged
MW-03	0804		14.57			19.09 "

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-01

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: OD10160070.00002

Project Name: Crown Chevrolet

Date: 9-6-12

Sampled By: Steve Korbay

Method of Purging: Swab/Surge Pump

Method of Sampling: _____

Initial Depth to Water: 14.60

Depth to Water after Sampling: _____

Total Depth to Well: 20.85

Well Diameter: 3/4

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: _____
(Circle one)

Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1340	20	500	0.132	22.4	7.02	1486	2.92	94.5	>1,000
1350			1.32	20.8	6.62	1374	1.29	103.7	>1,000
1400			2.64	20.6	6.68	1343	0.54	95.4	334
1410			3.96	20.6	6.75	1339	0.33	91.4	428
1420			5.28	20.5	6.76	1337	0.22	89.9	41.8
1430			6	20.4	6.76	1336	0.17	88.2	12.2

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION	
Standard Solution (mV)	
Field Temperature °C	
Instrument Reading (mV)	
Model or Unit No.:	

DISSOLVED OXYGEN CALIBRATION	
Altitude / Salinity %	
Field Temperature °C	
Instrument Reading (mg/L)	
Model or Unit No.:	

Notes:

Document2

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-02

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: OD10160070.00002

Project Name: Crown Chevrolet

Date: 9-6-12

Sampled By: Steve Korbay

Method of Purging: Swab/Surge - Pump

Method of Sampling: _____

Initial Depth to Water: 10.86

Depth to Water after Sampling: _____

Total Depth to Well: 19.67

Well Diameter: 3/4

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: _____
(Circle one)

Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1000	19	250	0.066	23.3	7.18	720	5.10	125	906
1010			0.66	23.5	7.12	873	4.88	120	471
1020			1.32	23.6	7.10	893	4.74	116	218
1030			1.98	23.4	7.09	889	4.47	112	54.2
1040			2.64	23.4	7.10	886	4.21	113	38.6

Water level after purge 18.5
Minimal recovery, very slow recharge

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-03

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: OD10160070.00002

Project Name: Crown Chevrolet

Date: 9-6-12

Sampled By: Steve Korbay

Method of Purging: Swab/Surge - Pump

Method of Sampling: _____

Initial Depth to Water: 14.57

Depth to Water after Sampling: _____

Total Depth to Well: 19.09

Well Diameter: 3/4

1 Casing/Borehole Volume: _____ (Circle one)

4 Casing/Borehole Volumes: _____ (Circle one)

Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0920	19		500	23.8	7.57	529	6.25	99.7	>1,000
	This well has insufficent water to be properly developed.								
	Once the tubing is filled during purge, the well goes Dry.								
	W.L. after 1 hour = 15.18								

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

WELL ~~SAMPLING~~ AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-01-1

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 17'

Project and Task No.: 0010160070.00002

Project Name: Crown Chevy

Date: 9/6/12

Sampled By: H Young / S. Korbay

Method of Purging: peri-pump

Method of Sampling: N/A

Initial Depth to Water: 13.30'

Depth to Water after Sampling: 13.23'

Total Depth to Well: Before: 17.15' After: 17.15'

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.02 gal (Circle one)

10 Casing/Borehole Volumes: 0.2 gal (Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (~~gal~~ ml)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0818	17.0	300	1500	20.35	7.70	2482	1.32	-14.3	<4000 NTU (COR)
0828	↓	300		20.26	6.85	1591	0.45	-24.2	2807 NTU
0835		300		20.49	6.84	1517	0.42	-21.6	1577 NTU
0845		300		20.59	6.85	1485	0.52	-21.4	1507 NTU
0855		300		20.63	6.86	1468	0.33	-12.4	917 NTU
0908		300		21.01	6.86	1445	0.29	-6.2	79 NTU
0914		300		20.65	6.86	1443	0.28	-2.3	83 NTU
0918		300		20.60	6.86	1444	0.28	-8.7	88 NTU
	Stop development @ 0920, parameters stable								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-01-2

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 43.00'

Project and Task No.: 0010160070.00002

Project Name: Crown Chevy

Date: 9/6-9/7/12

Sampled By: H. Young

Method of Purging: peri pump and/or 1/4" tubing w/check ball.

Method of Sampling:

Initial Depth to Water: 14.33'

Depth to Water after Sampling:

Total Depth to Well: Before: 43.08'

Well Diameter: 3/8"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
9/6/12 0930	purged dry,		unable	to get	parameter	readings.			>4000 NTU
9/7/12 0749			0.25	19.35	8.39	1908	3.27	-294.2	1/4 gal purged >4000NTU
1015				21.75	8.38	1750	1.11	-261.4	>4000 NTU

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Document2

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-01-3
Sample ID: N/A Duplicate ID: N/A
Sample Depth: 57.5'
Project and Task No.: 0010160070.00002
Project Name: Crown Chevy
Date: 9/6/12
Sampled By: H. Young
Method of Purging: peristaltic pump and/or 1/4" tubing
Method of Sampling: with check valve.

Initial Depth to Water: 1.23'
Depth to Water after Sampling:
Total Depth to Well: Before: 57.55' After:
Well Diameter:
1 Casing/Borehole Volume: (Circle one)
4 Casing/Borehole Volumes: (Circle one)
Total Casing/Borehole Volumes Removed:

	Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
9/7	0807	57.5'		0.5	20.4	7.76	1548	1.70	-295.1	2326 NTU, dewatered,
	1010			0.75	21.22	7.75	1795	1.42	-311.0	67 NTU

* Dewatered before getting readings on 9/6. Purged ~1/4 gal.
W.L. = 55.51 after removing 1/3 gallon

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

Document2

WELL ~~SAMPLING~~ AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-02-1

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 12.75

Project and Task No.: 00101600070.00002

Project Name: Crown Chevy

Date: 9/6/12

~~Sampled~~ Developed By: H. Young

Method of Purging: peri-pump

Method of Sampling: N/A

Initial Depth to Water: ~~6.05~~ 11.80' (HY)

Depth to Water after Sampling: 13.00' 11.83'

Total Depth to Well: Before: ~~57.75~~' (HY) After:

Well Diameter: 3/8"

1 Casing/Borehole Volume: .0068 (Circle one)

10 Casing/Borehole Volumes: 0.068 (Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ mL	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1256	12.75	200	500ml	24.84	9.06	1734	4.95	-59.3	<4000 NTU
1304		200	2100	24.62	8.37	1713	3.58	-51.9	<4000 NTU
1312		50		25.48	8.12	1666	5.45	-33.9	<4000 NTU
1327				26.11	7.95	1622	5.90	-10.3	stopped from 1320-1325 due to dewatering.
1332				26.40	7.97	1601	6.37	-3.6	<4000 NTU
1337				26.63	7.95	1583	6.59	2.5	<4000 NTU
1342				26.98	7.92	1555	6.73	9.2	3136 NTU
1352				27.07	7.79	1534	6.35	17.1	stopped from 1344-1349 due to dewatering
1357				27.21	7.84	1521	6.60	17.3	2087 NTU
1407				27.47	7.91	1492	6.86	20.6	~~1832~~ 1479 NTU (HY)
1412				27.59	7.92	1480	6.92	22.0	1104 NTU
	Stop development, parameters stable relatively								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-02-2

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 37.75'

Project and Task No.: 0D101160070.00002

Project Name: Crown Chevy

Date: 9/6/12

~~Sampled~~ Developed By: H. Young

Method of Purging: peri-pump

Method of Sampling: N/A

Initial Depth to Water: 12.35'

Depth to Water after Sampling:

Total Depth to Well: Before: 37.00' After: 37.00'

Well Diameter: 3/8"

1 Casing/Borehole Volume: (Circle one) N/A

4 Casing/Borehole Volumes: (Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1155	37.5	200	500	23.46	9.13	953	1.38	-185.6	dewatered after filling flow cell
1203		25	900	24.08	9.10	956	0.55	-241.2	<4000 NTU dewatered
1415		25	900	28.58	8.86	1375	3.10	-165.4	<4000 NTU, dewatered
0825 on	9/7			20.68	8.54	1481	1.45	-274.5	>4000 NTU
1047	" "			24.81	8.49	1531	2.15	-228.5	>4000 NTU
	DTW = 36.22			DTW = 36.66					

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-02-3
Sample ID: N/A Duplicate ID: N/A
Sample Depth: 57.5'
Project and Task No.: 0D101600701.00002
Project Name: Crown Chevy
Date: 9/5/12
~~Sampled~~ Developed By: H. Young
Method of Purging: peri-pump
Method of Sampling: N/A

Initial Depth to Water: 6.05'
Depth to Water after Sampling: 11.00
Total Depth to Well: Before: 57.75' After:
Well Diameter: 3/8"
1 Casing/Borehole Volume: N/A
(Circle one)
4 Casing/Borehole Volumes:
(Circle one)
Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. ~~(gal.)~~ ml	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
									start @ 1211
1213	57.5'	200	500	24.80	8.37	607	2.82	-189.8	- well dewatering, use 300 RPM peri-pump head to reduce flow.
1217		↓	1300	25.21	8.17	697	0.22	-248.8	
1225			2900	25.78	8.10	926	0.12	-291.2	>4000 NTU
1235			3900	25.88	8.06	1035	0.18	-295.9	Stop pumping @ 1235 to allow for recharge
1424		50	3950	26.05	7.95	1330	1.11	-292.1	restart @ 1418
1434		↓	4450	26.70	7.97	1328	1.00	-254.8	>4000 NTU
1503			5900	27.95	8.13	1126	2.74	-126.1	>4000 NTU
	Stop pumping @ 1505, will try pulling water with check valve on 9/7/12								
0835	9/7	N/A		20.06	8.03	1245	1.57	-234.7	>4000 NTU
1034	9/7	↓		23.55	8.19	1304	3.48	-205.1	>4000 NTU
1040				22.25	7.98	1225	1.75	-2	2619 NTU
W.L. = 30.00 after removing < 1/4 gallon, there is some recovery here.									

DTW = 47.75' @ 1040
↳ recharge 0.9' in 30 sec.

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-03-1

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: 0D0160070.00002

Project Name: Crown Chevrolet

Date: 9-6-12

Sampled By: Steve Korbay

Method of Purging: Peristaltic Pump

Method of Sampling: _____

Initial Depth to Water: 12.91

Depth to Water after Sampling: _____

Total Depth to Well: 14.36

Well Diameter: _____

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: _____
(Circle one)

Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1524	14	500	0.13	22.9	7.28	1549	0.57	-131.8	>1,000
1534			1.32	22.0	6.84	1339	0.18	-73.7	>1,000
1544			2.64	21.8	6.72	1317	0.22	-42.6	328
1554			3.96	21.8	6.70	1310	0.23	-35.5	55.6
1604			5.28	21.9	6.70	1306	0.31	-28.0	11.0

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION	
Standard Solution (mV)	
Field Temperature °C	
Instrument Reading (mV)	
Model or Unit No.:	

DISSOLVED OXYGEN CALIBRATION	
Altitude / Salinity %	
Field Temperature °C	
Instrument Reading (mg/L)	
Model or Unit No.:	

Notes:

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-03-2

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 42.3'

Project and Task No.: 0010160070.00002

Project Name: Crown Chevy

Date: 9/7/12

Sampled By: H. Young

Method of Purging: peri-pump and/or 1/4" tubing w/ check valve.

Method of Sampling: N/A

Initial Depth to Water: ~~42.74'~~ 11.03'

Depth to Water after Sampling:

Total Depth to Well: Before: 42.38' After: 42.86'

Well Diameter: 3/8"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0709	42.3	N/A	0.25	20.78	8.02	1232	0.42	-289.1	<4000 NTU
1143	↓	↓	0.5	29.58	8.18	1220	2.81	-246.1	1907 NTU

W.L. = 41.94 after removing 1/4 gallon 3/10 ft recovery in 25 minutes

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes: DTW = 42.10' after dewatering, no discernable recharge after 1 min.

Document2

WELL ~~SAMPLING~~ AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-03-3

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 56.1'

Project and Task No.: ODI0160070.00002

Project Name: Crown Chevy

Date: 9/7/12

Sampled By: H. Young

Method of Purging: peri-pump and/or 1/4" tubing w/ check valve.

Method of Sampling:

Initial Depth to Water: ~~[illegible]~~ 2.45'

Depth to Water after Sampling:

Total Depth to Well: Before: 58.08' After: 56.48'

Well Diameter: 3/8"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0723	56.1'	N/A	0.3	20.4	7.92	999	0.27	-485	
	↓	↓							
0930			0.6	23.0	7.98	1017	2.24	-85.8	
1155			1.0	27.62	8.01	1288	2.87	-213.3	2638 NTU
									738 NTU after 2 min, then >4000 NTU

W.L. = 32.15 after removing 1/3 gallon Recharge 1/10 ft in 18 sec.

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

Document2

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-04-01

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: OD10160070.00002

Project Name: Crown Chevrolet

Date: 9-6-12

Sampled By: Steve Korbay

Method of Purging: Peristaltic Pump

Method of Sampling: _____

Initial Depth to Water: 12.24

Depth to Water after Sampling: 14.60

Total Depth to Well: 15.36 15.38

Well Diameter: _____

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: _____
(Circle one)

Total Casing/Borehole Volumes Removed: _____

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1620		250	0.066	24.3	7.77	1382	6.62	-21.4	>1,000
1630			0.66	23.2	7.72	1380	6.15	-4.9	>1,000
1640									
1630 - Well is dry									
9-7-12 @ 0610 - Could only purge 200 ml. and the well is dry again									

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-04-2

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 41.3'

Project and Task No.: 00101600070.00002

Project Name: Crown Chevy

Date: 9/7/12

Sampled By: H. Young

Method of Purging: 1/4" tubing w/ check valve

Method of Sampling: N/A

Initial Depth to Water: 12.44'

Depth to Water after Sampling:

Total Depth to Well: Before: 41.39' After: 41.39'

Well Diameter: 3/8"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0628		N/A	0.8	21.78	7.99	1028	0.42	-425	>4,000 NTU
1105		↓	0.8	24.58	8.66	19.74	1.01	-238.1	>4000 NTU

DTW = 35.57 @ 0845 after purging dry @ 0630

DTW = 31.33 @ 1100

pH CALIBRATION (choose two)				
Buffer Solution DTW = 40.63 @ 1115	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.:

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

recharging @ 0.04'/min

Document2

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-04-3

Sample ID: N/A Duplicate ID: N/A

Sample Depth: 58'

Project and Task No.: OP101600070.00002

Project Name: Crown Chevy

Date: 9/7/12

Sampled By: H. Young

Method of Purging: 1/4" tubing w/ check valves

Method of Sampling: N/A

Initial Depth to Water: ~~2.45'~~ 14.4'

Depth to Water after Sampling:

Total Depth to Well: Before: 58.0' After: 58.30'

Well Diameter: 3/8"

1 Casing/Borehole Volume: N/A
(Circle one)

4 Casing/Borehole Volumes:
(Circle one)

Total Casing/Borehole Volumes Removed:

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
0640	58'	N/A	0.25	21.39	7.88	830	0.78	-317.9	>4000 NTU
0645	↓	↓	0.5	20.89	8.08	780	0.89	-478.3	>4000 NTU
1119	↓	↓	0.75	25.58	7.72	1525	0.61	-109.6	>4000 NTU
1123	↓	↓	1.0	23.97	7.69	1557	0.68	-361.6	>4000 NTU

DTW = 16.85' after purging dry @ 0645, DTW = 44.60' after dewatering

pH CALIBRATION (choose two)				
Buffer Solution	pH 4.0	pH 7.0	pH 10.0	
Field Temperature °C				
Instrument Reading				

Model or Unit No.: C 1125

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION			
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C	
Field Temperature °C			
Instrument Reading			

Model or Unit No.:

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION	
Standard Solution (mV)		Altitude / Salinity %	
Field Temperature °C		Field Temperature °C	
Instrument Reading (mV)		Instrument Reading (mg/L)	
Model or Unit No.:		Model or Unit No.:	

Notes:

Document2

WATER LEVEL MONITORING RECORD

amec

Project Name: Crown Chevrolet Project and Task Number: 0D1016.0070.00002

Date: 9/10/12 Measured by: Scott Graham Instrument(s) Used: Solinst

Note: For your convenience, the following abbreviations may be used.

I = Inaccessible
ES = Electrical Sounder
IP = Interface Probe
D = Dedicated Pump
WL = Water Level

Well No.	Time	TOC Elevation (feet)	DTW Measurement #1 (feet)	DTW Measurement #2 (feet)	PID Reading	Remarks
MP-D1-01	904		13.33	13.33		
MP-1-2	906		14.38	14.38		
MP-1-3	908		15.63	15.63		
MW-1	912		14.64	14.64		
MW-2	915		10.90	10.90		
MP-2-1	918		11.83	11.83		
MP-2-2	920		13.93	13.93		
MP-2-3	922		14.88	14.88		
MP-3-1	924		12.94	12.94		
MP-3-2	926		39.76	39.76		
MP-3-3	928		15.66	15.66		
MP-4-1	930		12.41	12.41		
MP-4-2	932		13.83	13.83		
MP-4-3	933		15.12	15.12		
MW-03	935		14.62	14.62		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-1

1515 Sample ID: MW-1 Duplicate ID: MW10

1517 Sample Depth:

Project and Task No.: 0D10160070.00002

Project Name: crown chevx

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: "

Initial Depth to Water: ~~[illegible]~~ 14.64

Depth to Water after Sampling: ~~14.05~~ 14.03

Total Depth to Well: ~~[illegible]~~ 20.85

Well Diameter: 3/4"

1 Casing/Borehole Volume: ~~0.04~~ 0.06
(Circle one)

4 Casing/Borehole Volumes: ~~0.15~~ 0.25
(Circle one)

Total Casing/Borehole Volumes Removed: 1 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment) NTUs
1500	20	350							
1502			500	21.82	6.74	1411	4.70	60.0	>1000
1504				21.14	6.64	1391	2.70	48.0	>1000
1506				21.02	6.63	1382	2.23	40.5	530
1508				20.84	6.65	1380	2.07	34.9	182
1509				20.77	6.68	1380	1.80	30.3	76.2
1511			1 gal	20.74	6.70	1377	1.57	27.3	45.9

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

1610

Well ID: MW-02

Sample ID: MW-2 Duplicate ID:

Sample Depth: 14

Project and Task No.: 00101600070.00002

Project Name: Crown Chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: peri-pump

Initial Depth to Water: ~~14.64~~ 10.90

Depth to Water after Sampling: 10.96 ~~[illegible]~~

Total Depth to Well: ~~[illegible]~~ 19.67

Well Diameter: 3/4

1 Casing/Borehole Volume: ~~[illegible]~~ 0.09
(Circle one)

4 Casing/Borehole Volumes: ~~[illegible]~~ 0.35
(Circle one)

Total Casing/Borehole Volumes Removed: 0.75 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1556	19	280							NTUs
1558			500mL	23.26	6.92	10.34	3.99	102.9	290
1600				22.97	6.90	966	3.45	86.0	141
1602				22.88	6.91	943	2.50	72.0	90
1604				22.69	6.94	932	2.13	60.8	87.3
1606			0.75gal	22.69	6.97	921	2.03	58.5	80.4

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MW-3

1540 Sample ID: MW-3 Duplicate ID:

Sample Depth:

Project and Task No.: 00101600070.00002

Project Name: Crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump/check valve

Method of Sampling: "

Initial Depth to Water: 14.62

Depth to Water after Sampling: 15.14

Total Depth to Well: 19.09

Well Diameter: 3/4"

1 Casing/Borehole Volume: 0.05
(Circle one)

4 Casing/Borehole Volumes: 0.2
(Circle one)

Total Casing/Borehole Volumes Removed: 200mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1435	19	100 ran	dry	@ 200mL,	not	enough	to	fill	flow through cell

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-1-1

Sample ID: MP-01-01 Duplicate ID: —

Sample Depth: 17

Project and Task No.: 00101600 70.00002

Project Name: Crown Chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri pump

Method of Sampling: peri-pump

Initial Depth to Water: 13.33

Depth to Water after Sampling:

Total Depth to Well: 17.15

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.08 gal (Circle one)

4 Casing/Borehole Volumes: 0.32 gal (Circle one)

Total Casing/Borehole Volumes Removed: 0.5 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1010	17.00	240							
1012				20.95	6.79	1691	6.21	-25.8	320 NTU
1014				20.72	7.00	1700	3.15	-65.0	395 NTU
1015				20.74	7.04	1684	2.58	-81.3	425 NTU
1016				20.75	7.04	1658	1.99	-94.6	436 NTU
1017				20.79	7.02	1641	1.81	-98.5	371 NTU
1018			0.5	20.80	7.01	1630	1.61	-99.6	389 NTU
1025	collect sample								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-1-2

1630 Sample ID: MP-1-2 Duplicate ID:

Sample Depth: 43

Project and Task No.: 00016 0070.00002

Project Name: Crown Chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: "

Initial Depth to Water: 14.38

Depth to Water after Sampling: 31.25

Total Depth to Well: 43.08

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.66 gal
(Circle one)

4 Casing/Borehole Volumes: 2.64 gal
(Circle one)

Total Casing/Borehole Volumes Removed: 400 mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1038	43.00	200							
1040			400 mL	- ran dry					

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

Document1

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-1-3

1640 Sample ID: MP-1-3 Duplicate ID:

Sample Depth: 57

Project and Task No.: 0D10160070.00002

Project Name: Crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling:

Initial Depth to Water: 15.63

Depth to Water after Sampling: 27.86

Total Depth to Well: 57.55

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.96 gal
(Circle one)

4 Casing/Borehole Volumes: 3.86 gal
(Circle one)

Total Casing/Borehole Volumes Removed: 1/3 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1047	57'	120		23.26	7.81	1696	0.52	-363.3	371 NTU
1058			ran dry @ approx 1/3 gal						

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

0.023

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-2-1

1235 Sample ID: MP-2-1 Duplicate ID: MP-2-10

1240 Sample Depth: 13

Project and Task No.: 0D1016P070.00002

Project Name: Crown Chevrolet

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling:

Initial Depth to Water: 11.83

Depth to Water after Sampling: ~~13~~

Total Depth to Well: 13.00

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.027
(Circle one)

4 Casing/Borehole Volumes: 0.1
(Circle one)

Total Casing/Borehole Volumes Removed: 1/3 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1117	13	140							
1119			400 mL	25.56	8.32	1802	4.64	-71.6	>1000 NTU
1122				25.89	8.34	1790	5.74	-59.8	>1000
1124				26.25	8.36	1778	6.21	-53.1	>1000
1126				26.61	8.36	1762	6.55	-45.8	>1000

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

1710

Well ID: MP-2-2

Sample ID: MP-2-2 Duplicate ID:

Sample Depth:

Project and Task No.: 0D1016 0070.00002

Project Name: Crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: "

Initial Depth to Water: 13.93

Depth to Water after Sampling: 28.86

Total Depth to Well: 37.00

Well Diameter:

1 Casing/Borehole Volume: 0.53
(Circle one)

4 Casing/Borehole Volumes: 2.12
(Circle one)

Total Casing/Borehole Volumes Removed: 400 mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1254	37								
1307		ran dry after filling Flow through cell							

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-2-3

1720 Sample ID: MP-2-3 Duplicate ID:

Sample Depth:

Project and Task No.: QD10160070.00002

Project Name: crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump/check valve

Method of Sampling: "

Initial Depth to Water: 14.88

Depth to Water after Sampling: 24.75

Total Depth to Well: 57.25

Well Diameter:

1 Casing/Borehole Volume: 0.99 (Circle one)

4 Casing/Borehole Volumes: 3.94 (Circle one)

Total Casing/Borehole Volumes Removed: 0.5 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1201	24	270	400mL	23.57	7.84	1160	2.02	-256.3	>1000
1208		ran dry @ ≈ 0.5 gal							

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

1240

Well ID: MP-3-1

Sample ID: MP-3-1 Duplicate ID: —

Sample Depth: 13

Project and Task No.: DD10160070.00002

Project Name: Crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: "

Initial Depth to Water: 12.94

Depth to Water after Sampling:

Total Depth to Well: 14.36

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.03 (Circle one)

4 Casing/Borehole Volumes: 0.13 (Circle one)

Total Casing/Borehole Volumes Removed: 3/4 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1228	14	280	400mL	23.77	6.79	1428	1.40	-37.2	1000
1231				22.79	6.78	1415	0.90	-53.9	389
				22.59	6.76	1394	0.77	-65.7	191
1234				22.46	6.76	1382	0.70	-69.7	96.8
1236				22.37	6.77	1374	0.62	-74.2	61.1
1237				22.30	6.78	1369	0.56	-76.2	39.5
1238			3/4 gal	22.23	6.79	1364	0.54	-76.3	27.3

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-3-2

Sample ID: _____ Duplicate ID: _____

Sample Depth: _____

Project and Task No.: 0D10160070.00002

Project Name: Crown chevx

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: NA

Initial Depth to Water: 39.76

Depth to Water after Sampling: ~~42.86~~

Total Depth to Well: 42.86

Well Diameter: 3/8"

1 Casing/Borehole Volume: _____
(Circle one)

4 Casing/Borehole Volumes: 0.07
(Circle one)

Total Casing/Borehole Volumes Removed: 0.28

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1758	42	ran dry ≈ 100 mL @ 1205							
1745	well dry - no sample								
9/11/12	1000								
	✓DTW 42.33 - not enough water to sample								

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-3-3

1240 Sample ID: MP-3-3 Duplicate ID:

Sample Depth:

Project and Task No.: 00101600 70.00002

Project Name: crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: //

Initial Depth to Water: 15.66

Depth to Water after Sampling: 32.57

Total Depth to Well: 56.48

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.94 (Circle one)

4 Casing/Borehole Volumes: 3.75 (Circle one)

Total Casing/Borehole Volumes Removed: 400 mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1207	56	100							
1211		randy		≈ 400 mL - after filling Flow through cell					

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-4-1

Sample ID: MP-4-1 Duplicate ID:

Sample Depth: 15.3

Project and Task No.: 00101600070.00002

Project Name: crown cherry

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: Peri-Pump

Method of Sampling: "

Initial Depth to Water: 12.41

Depth to Water after Sampling: 15.21

Total Depth to Well: 15.36

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.07
(Circle one)

4 Casing/Borehole Volumes: 0.3
(Circle one)

Total Casing/Borehole Volumes Removed: 400 mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1331	15	100							
1334		ran dry after filling flow through cell							

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

Well ID: MP-4-2

Sample ID: MP-4-2 Duplicate ID:

Sample Depth: 41

Project and Task No.: 00101600070.00002

Project Name: Crown chevy

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: "

Initial Depth to Water: 13.83

Depth to Water after Sampling: 39.78

Total Depth to Well: 41.4

Well Diameter: 3/8"

1 Casing/Borehole Volume: 0.6 (Circle one)

4 Casing/Borehole Volumes: 2.5 (Circle one)

Total Casing/Borehole Volumes Removed: 400 mL

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1339	41	120							
1342		ran dry after filling flow through cell							

pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

WELL SAMPLING AND/OR DEVELOPMENT RECORD

amec

1820

Well ID: MP-4-3

Sample ID: MP-4-3 Duplicate ID: _____

Sample Depth: 58'

Project and Task No.: 00101600 70.00002

Project Name: crown chrx

Date: 9/10/12

Sampled By: Scott Graham

Method of Purging: peri-pump

Method of Sampling: //

Initial Depth to Water: 15.12

Depth to Water after Sampling: ~~15.30~~ 28.95

Total Depth to Well: 58.30

Well Diameter: 3/8"

1 Casing/Borehole Volume: 1 gal
(Circle one)

4 Casing/Borehole Volumes: 3 gal
(Circle one)

Total Casing/Borehole Volumes Removed: 1/2 gal

Time	Intake Depth	Rate (ml/min)	Cum. Vol. (gal.)	Temp. (°C)	pH (units)	Specific Electrical Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Remarks (color, turbidity, and sediment)
1345	58	190	500mL	24.55	7.65	1598	1.80	-282.5	748 NTU
			1000mL	24.07	7.61	1568	0.84	-288.2	>1000
			1500mL	24.86	7.62	1532	0.47	-273.4	>1000
			2000mL	24.74	7.64	1515	0.29	-276.2	>1000
1355			run dry @ 1/2 gal						

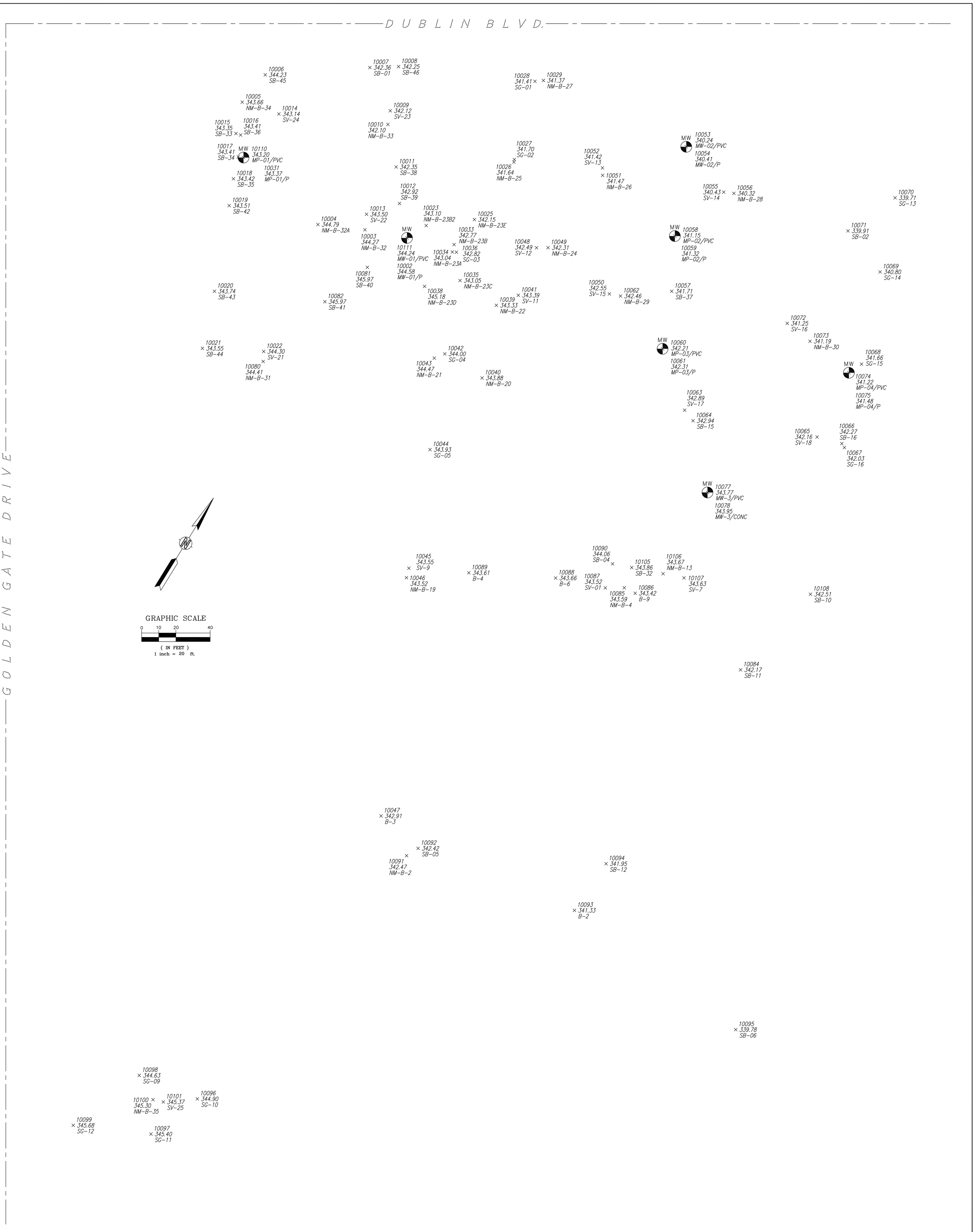
pH CALIBRATION (choose two)					Model or Unit No.:
Buffer Solution	pH 4.0	pH 7.0	pH 10.0		
Field Temperature °C					
Instrument Reading					

SPECIFIC ELECTRICAL CONDUCTANCE (SEC) – CALIBRATION				Model or Unit No.:
KCl Solution (µS/cm=µmhos/cm)	1413 at 25°C	12880 at 25°C		
Field Temperature °C				
Instrument Reading				

ORP/REDOX CALIBRATION		DISSOLVED OXYGEN CALIBRATION		Notes:
Standard Solution (mV)		Altitude / Salinity %		
Field Temperature °C		Field Temperature °C		
Instrument Reading (mV)		Instrument Reading (mg/L)		
Model or Unit No.:		Model or Unit No.:		

APPENDIX D

Boring and Well Location Survey Report



P:\projects\19152\Ksr Dwgs\19152.dwg 9/24/12

REFERENCES
FIELD BOOK No.
FILE MAP:
TITLE CO.:
POLICY No.:
DATUM: NAD83, NAVD88
MISC. REF.:

REVISIONS

KISTER, SAVIO & REI, INC.
LAND SURVEYORS – CIVIL ENGINEERS
825 SAN PABLO AVE
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DESCRIPTION

MONITOR WELL & SOIL BORE SURVEY

CROWN CHEVROLET CADILLAC ISUZU
7544 DUBLIN BLVD & 6707 GOLDEN GATE DR

DUBLIN CALIFORNIA

FOR: AMEC

SCALE: 1"=20'	JOB No. 19152
DATE: 9-10-12	DWG No. 19152

KISTER, SAVIO, AND REI LS 8178
KSR JOB # 19152 DATE: SEPTEMBER 10, 2012
AMEC - 7544 DUBLIN BLVD & 6707 GOLDEN GATE DR. - CROWN CEVROLET CADILLAC ISUZU SITE - GEOTRACKER HORIZONTAL DATA
DUBLIN,CALIF

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE
T10000001616	MP-01/PVC	MW	9/7/2012	37.7038733	-121.9291449	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MP-02/PVC	MW	9/7/2012	37.7041385	-121.9283262	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MP-03/PVC	MW	9/7/2012	37.7039755	-121.9282249	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MP-04/PVC	MW	9/7/2012	37.7041035	-121.9278821	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MW-01/PVC	MW	9/7/2012	37.7039053	-121.9287798	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MW-02/PVC	MW	9/7/2012	37.7042689	-121.9284035	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	MW-03/PVC	MW	9/7/2012	37.7038200	-121.9279928	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	B-2	SB	9/7/2012	37.7031407	-121.9277662	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	B-3	SB	9/7/2012	37.7031019	-121.9281973	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	B-4	SB	9/7/2012	37.7035060	-121.9283116	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	B-6	SB	9/7/2012	37.7035737	-121.9281583	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	B-9	SB	9/7/2012	37.7036215	-121.9280066	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-13	SB	9/7/2012	37.7036720	-121.9279803	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-19	SB	9/7/2012	37.7034457	-121.9284124	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-2	SB	9/7/2012	37.7030701	-121.9281109	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-20	SB	9/7/2012	37.7037807	-121.9285003	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-21	SB	9/7/2012	37.7037664	-121.9286030	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-22	SB	9/7/2012	37.7038912	-121.9285547	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23A	SB	9/7/2012	37.7039255	-121.9286874	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23B	SB	9/7/2012	37.7039369	-121.9286925	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23B2	SB	9/7/2012	37.7039386	-121.9287605	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23C	SB	9/7/2012	37.7038935	-121.9286433	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23D	SB	9/7/2012	37.7038550	-121.9286974	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-23E	SB	9/7/2012	37.7039883	-121.9286850	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-24	SB	9/7/2012	37.7040137	-121.9285293	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-25	SB	9/7/2012	37.7040999	-121.9286801	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-26	SB	9/7/2012	37.7041583	-121.9285148	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-27	SB	9/7/2012	37.7042357	-121.9287183	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-28	SB	9/7/2012	37.7042470	-121.9282720	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-29	SB	9/7/2012	37.7040106	-121.9283536	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-30	SB	9/7/2012	37.7041127	-121.9279823	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-31	SB	9/7/2012	37.7036145	-121.9288904	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-32	SB	9/7/2012	37.7038801	-121.9288601	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-32A	SB	9/7/2012	37.7038468	-121.9289457	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-33	SB	9/7/2012	37.7040423	-121.9289352	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-34	SB	9/7/2012	37.7039470	-121.9292071	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-35	SB	9/7/2012	37.7025221	-121.9282777	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-36	SB	9/7/2012	37.7024626	-121.9274088	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	NM-B-4	SB	9/7/2012	37.7036196	-121.9280311	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-01	SB	9/7/2012	37.7041037	-121.9290275	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-02	SB	9/7/2012	37.7042945	-121.9280374	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-04	SB	9/7/2012	37.7036419	-121.9280768	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-05	SB	9/7/2012	37.7030900	-121.9280994	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-06	SB	9/7/2012	37.7031184	-121.9273627	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-10	SB	9/7/2012	37.7037712	-121.9277074	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-11	SB	9/7/2012	37.7036088	-121.9277443	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER

KISTER, SAVIO, AND REI LS 8178
KSR JOB # 19152 DATE: SEPTEMBER 10, 2012
AMEC - 7544 DUBLIN BLVD & 6707 GOLDEN GATE DR. - CROWN CEVROLET CADILLAC ISUZU SITE - GEOTRACKER HORIZONTAL DATA
DUBLIN,CALIF

GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGTITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE
T10000001616	SB-12	SB	9/7/2012	37.7032310	-121.9277629	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-15	SB	9/7/2012	37.7039046	-121.9280951	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-16	SB	9/7/2012	37.7040017	-121.9278174	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-32	SB	9/7/2012	37.7036533	-121.9280403	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-33	SB	9/7/2012	37.7038993	-121.9291837	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-34	SB	9/7/2012	37.7038693	-121.9291544	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-35	SB	9/7/2012	37.7038360	-121.9291389	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-36	SB	9/7/2012	37.7039013	-121.9291741	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-37	SB	9/7/2012	37.7040612	-121.9282717	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-38	SB	9/7/2012	37.7039920	-121.9288751	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-39	SB	9/7/2012	37.7039455	-121.9288297	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-40	SB	9/7/2012	37.7038315	-121.9288153	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-41	SB	9/7/2012	37.7037485	-121.9288503	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-42	SB	9/7/2012	37.7037959	-121.9291171	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-43	SB	9/7/2012	37.7036675	-121.9290493	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-44	SB	9/7/2012	37.7035800	-121.9290079	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-45	SB	9/7/2012	37.7040038	-121.9291975	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SB-46	SB	9/7/2012	37.7041296	-121.9289797	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-01	SB	9/7/2012	37.7042272	-121.9287318	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-02	SB	9/7/2012	37.7041038	-121.9286820	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-03	SB	9/7/2012	37.7039286	-121.9286802	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-04	SB	9/7/2012	37.7037812	-121.9285897	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-05	SB	9/7/2012	37.7036391	-121.9285111	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-09	SB	9/7/2012	37.7025430	-121.9283275	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-10	SB	9/7/2012	37.7025613	-121.9282033	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-11	SB	9/7/2012	37.7024738	-121.9282440	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-12	SB	9/7/2012	37.7024188	-121.9283856	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-13	SB	9/7/2012	37.7043797	-121.9279931	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-14	SB	9/7/2012	37.7042667	-121.9279383	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-15	SB	9/7/2012	37.7041261	-121.9278699	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SG-16	SB	9/7/2012	37.7039986	-121.9278086	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-01	SB	9/7/2012	37.7036032	-121.9280632	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-11	SB	9/7/2012	37.7039238	-121.9285282	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-12	SB	9/7/2012	37.7040036	-121.9285488	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-13	SB	9/7/2012	37.7041683	-121.9285232	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-14	SB	9/7/2012	37.7042399	-121.9282906	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-15	SB	9/7/2012	37.7040039	-121.9283749	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-16	SB	9/7/2012	37.7041172	-121.9280404	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-17	SB	9/7/2012	37.7039116	-121.9281209	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-18	SB	9/7/2012	37.7039893	-121.9278666	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-21	SB	9/7/2012	37.7036285	-121.9289004	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-22	SB	9/7/2012	37.7039025	-121.9288742	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-23	SB	9/7/2012	37.7040628	-121.9289459	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-24	SB	9/7/2012	37.7039626	-121.9291319	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-25	SB	9/7/2012	37.7025279	-121.9282578	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-26	SB	9/7/2012	37.7024732	-121.9273673	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-7	SB	9/7/2012	37.7036844	-121.9279402	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER
T10000001616	SV-9	SB	9/7/2012	37.7034607	-121.9284185	CGPS	NAD83	.6cm	KISTER,SAVIO,&REI	HPER

KISTER, SAVIO, AND REI LS 8178
KSR JOB #19152 DATE: SEPTEMBER 10, 2012
AMEC - 7544 DUBLIN BLVD & 6707 GOLDEN GATE DR. - CROWN CEVROLET CADILLAC ISUZU SITE - GEOTRACKER HORIZONTAL DATA
DUBLIN,CALIF

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG
T10000001616	MP-01/PVC	9/7/2012	343.20	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MP-02/PVC	9/7/2012	341.15	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MP-03/PVC	9/7/2012	342.21	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MP-04/PVC	9/7/2012	341.22	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MW-01/PVC	9/7/2012	344.24	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MW-02/PVC	9/7/2012	340.24	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	MW-03/PVC	9/7/2012	343.77	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	B-2	9/7/2012	341.33	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	B-3	9/7/2012	342.91	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	B-4	9/7/2012	343.61	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	B-6	9/7/2012	343.66	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	B-9	9/7/2012	343.42	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-13	9/7/2012	343.67	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-19	9/7/2012	343.52	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-2	9/7/2012	342.47	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-20	9/7/2012	343.88	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-21	9/7/2012	344.47	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-22	9/7/2012	343.33	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23A	9/7/2012	343.04	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23B	9/7/2012	342.77	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23B2	9/7/2012	343.10	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23C	9/7/2012	343.05	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23D	9/7/2012	345.18	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-23E	9/7/2012	342.15	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-24	9/7/2012	342.31	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-25	9/7/2012	341.64	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-26	9/7/2012	341.47	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-27	9/7/2012	341.37	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-28	9/7/2012	340.32	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-29	9/7/2012	342.46	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-30	9/7/2012	341.19	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-31	9/7/2012	344.41	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-32	9/7/2012	344.27	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI

KISTER, SAVIO, AND REI LS 8178
KSR JOB #19152 DATE: SEPTEMBER 10, 2012
AMEC - 7544 DUBLIN BLVD & 6707 GOLDEN GATE DR. - CROWN CEVROLET CADILLAC ISUZU SITE - GEOTRACKER HORIZONTAL DATA
DUBLIN,CALIF

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG
T10000001616	NM-B-32A	9/7/2012	344.79	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-33	9/7/2012	342.10	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-34	9/7/2012	343.66	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-35	9/7/2012	345.30	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-36	9/7/2012	346.10	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	NM-B-4	9/7/2012	343.59	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-01	9/7/2012	342.36	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-02	9/7/2012	339.91	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-04	9/7/2012	344.06	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-05	9/7/2012	342.42	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-06	9/7/2012	339.78	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-10	9/7/2012	342.51	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-11	9/7/2012	342.17	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-12	9/7/2012	341.95	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-15	9/7/2012	342.94	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-16	9/7/2012	342.27	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-32	9/7/2012	343.86	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-33	9/7/2012	343.35	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-34	9/7/2012	343.41	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-35	9/7/2012	343.42	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-36	9/7/2012	343.41	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-37	9/7/2012	341.71	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-38	9/7/2012	342.35	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-39	9/7/2012	342.92	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-40	9/7/2012	345.97	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-41	9/7/2012	345.97	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-42	9/7/2012	343.51	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-43	9/7/2012	343.74	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-44	9/7/2012	343.55	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-45	9/7/2012	344.23	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SB-46	9/7/2012	342.25	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-01	9/7/2012	341.41	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-02	9/7/2012	341.70	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-03	9/7/2012	342.82	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI

KISTER, SAVIO, AND REI LS 8178
KSR JOB #19152 DATE: SEPTEMBER 10, 2012
AMEC - 7544 DUBLIN BLVD & 6707 GOLDEN GATE DR. - CROWN CEVROLET CADILLAC ISUZU SITE - GEOTRACKER HORIZONTAL DATA
DUBLIN,CALIF

GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG
T10000001616	SG-04	9/7/2012	344.00	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-05	9/7/2012	343.93	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-09	9/7/2012	344.63	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-10	9/7/2012	344.90	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-11	9/7/2012	345.40	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-12	9/7/2012	345.68	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-13	9/7/2012	339.71	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-14	9/7/2012	340.80	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-15	9/7/2012	341.66	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SG-16	9/7/2012	342.03	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-01	9/7/2012	343.52	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-11	9/7/2012	343.39	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-12	9/7/2012	342.49	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-13	9/7/2012	341.42	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-14	9/7/2012	340.43	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-15	9/7/2012	342.55	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-16	9/7/2012	341.25	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-17	9/7/2012	342.89	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-18	9/7/2012	342.16	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-21	9/7/2012	344.30	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-22	9/7/2012	343.50	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-23	9/7/2012	342.12	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-24	9/7/2012	343.14	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-25	9/7/2012	345.37	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-26	9/7/2012	345.89	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-7	9/7/2012	343.63	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI
T10000001616	SV-9	9/7/2012	343.55	CGPS	NAVD88	.30cm	KISTER,SAVIO,&REI

APPENDIX E

Waste Disposal Manifests

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	NOT REQUIRED	1	888-423-6060	213929

GENERATOR

5. Generator's Name and Mailing Address
Crown Chevrolet
7544 Dublin Blvd, Dublin, CA 94568
Generator's Phone

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Potrero Hills Landfill
3675 Potrero Hills Lane
Suisun, CA 94585
Facility's Phone:
U.S. EPA ID Number: NOT REQUIRED

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous Waste Solid (Soil)	12	DM	6000	P	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (888) 423-6060

Profile#:
Project #: 72006-10-5

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Patrick Costello
Signature: [signature]
Month 9 Day 25 Year 12

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name: SHAWN HERGER
Signature: [signature]
Month 9 Day 25 Year 12

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNED FACILITY

17. Discrepancy

17a Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: SO
Signature: [signature]
Month 10 Day 4 Year 12

169-BLC-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NOT REQUIRED
2. Page 1 of 1
3. Emergency Response Phone: 800-424-9300
4. Waste Tracking Number: 213930

5. Generator's Name and Mailing Address
Crown Chevrolet
7644 Dublin Blvd, Dublin, CA 94568
Generator's Phone

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: American Integrated Services, Inc.
U.S. EPA ID Number: CAR000148338

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Crosby & Overton, Inc.
1630 W. 16th Street
Long Beach, CA. 90813 562-432-5445
Facility's Phone:
U.S. EPA ID Number: CAD028409019

9a.	9b. U.S. DOT Description (including Proper Shipping Name)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-Hazardous Waste Liquid	~~7~~ 1	~~DM~~ TT	350	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
Wear protective equipment while handling. Weights or volumes are approximate. 24 hour emergency number (800) 424-9300 Chemtrec.

1# 16846 D 171042
Profile#: 27578
Project #: 72008-10-5
7 Drums

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Patrick Costello
Signature: [signature]
Month 9 Day 25 Year 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: SHAWN HERBECK
Signature: [signature]
Month 9 Day 25 Year 12
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

H135

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: J. Belleza
Signature: [signature]
Month 10 Day 03 Year 12

GENERATOR | INT'L | TRANSPORTER | DESIGNED FACILITY

169-BLC-O 5 11977 (Rev. 9/09)

TRANSPORTER #1

APPENDIX F

Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44190-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/28/2012 3:46:49 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Job ID: 720-44190-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44190-1

Revised Report on 9/5/12.

Comments

No additional comments.

Receipt

The sample was received on 8/27/2012 4:40 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

GC/MS VOA

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 720-44190-1 is due to the presence of discrete peak PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Client Sample ID: SB-34

Lab Sample ID: 720-44190-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	210		2.5		ug/L	5		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	200	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-34
Date Collected: 08/27/12 14:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44190-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/28/12 03:23	1
Acetone	ND		50 W		ug/L			08/28/12 03:23	1
Benzene	ND		0.50		ug/L			08/28/12 03:23	1
Dichlorobromomethane	ND		0.50		ug/L			08/28/12 03:23	1
Bromobenzene	ND		1.0		ug/L			08/28/12 03:23	1
Chlorobromomethane	ND		1.0		ug/L			08/28/12 03:23	1
Bromoform	ND		1.0		ug/L			08/28/12 03:23	1
Bromomethane	ND		1.0		ug/L			08/28/12 03:23	1
2-Butanone (MEK)	ND		50		ug/L			08/28/12 03:23	1
n-Butylbenzene	ND		1.0		ug/L			08/28/12 03:23	1
sec-Butylbenzene	ND		1.0		ug/L			08/28/12 03:23	1
tert-Butylbenzene	ND		1.0		ug/L			08/28/12 03:23	1
Carbon disulfide	ND		5.0		ug/L			08/28/12 03:23	1
Carbon tetrachloride	ND		0.50		ug/L			08/28/12 03:23	1
Chlorobenzene	ND		0.50		ug/L			08/28/12 03:23	1
Chloroethane	ND		1.0		ug/L			08/28/12 03:23	1
Chloroform	ND		1.0		ug/L			08/28/12 03:23	1
Chloromethane	ND		1.0		ug/L			08/28/12 03:23	1
2-Chlorotoluene	ND		0.50		ug/L			08/28/12 03:23	1
4-Chlorotoluene	ND		0.50		ug/L			08/28/12 03:23	1
Chlorodibromomethane	ND		0.50		ug/L			08/28/12 03:23	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/28/12 03:23	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/28/12 03:23	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/28/12 03:23	1
1,3-Dichloropropane	ND		1.0		ug/L			08/28/12 03:23	1
1,1-Dichloropropene	ND		0.50		ug/L			08/28/12 03:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/28/12 03:23	1
Ethylene Dibromide	ND		0.50		ug/L			08/28/12 03:23	1
Dibromomethane	ND		0.50		ug/L			08/28/12 03:23	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/28/12 03:23	1
1,1-Dichloroethane	ND		0.50		ug/L			08/28/12 03:23	1
1,2-Dichloroethane	ND		0.50		ug/L			08/28/12 03:23	1
1,1-Dichloroethene	ND		0.50		ug/L			08/28/12 03:23	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 03:23	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 03:23	1
1,2-Dichloropropane	ND		0.50		ug/L			08/28/12 03:23	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 03:23	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 03:23	1
Ethylbenzene	ND		0.50		ug/L			08/28/12 03:23	1
Hexachlorobutadiene	ND		1.0		ug/L			08/28/12 03:23	1
2-Hexanone	ND		50		ug/L			08/28/12 03:23	1
Isopropylbenzene	ND		0.50		ug/L			08/28/12 03:23	1
4-Isopropyltoluene	ND		1.0		ug/L			08/28/12 03:23	1
Methylene Chloride	ND		5.0		ug/L			08/28/12 03:23	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/28/12 03:23	1
Naphthalene	ND		1.0		ug/L			08/28/12 03:23	1
N-Propylbenzene	ND		1.0		ug/L			08/28/12 03:23	1
Styrene	ND		0.50		ug/L			08/28/12 03:23	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 03:23	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 03:23	1
Tetrachloroethene	**210**		2.5		ug/L			08/28/12 12:14	5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-34
Date Collected: 08/27/12 14:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44190-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/28/12 03:23	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/28/12 03:23	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/28/12 03:23	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/28/12 03:23	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/28/12 03:23	1
Trichloroethene	ND		2.5		ug/L			08/28/12 12:14	5
Trichlorofluoromethane	ND		1.0		ug/L			08/28/12 03:23	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/28/12 03:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/28/12 03:23	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/28/12 03:23	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/28/12 03:23	1
Vinyl acetate	ND		10		ug/L			08/28/12 03:23	1
Vinyl chloride	ND		0.50		ug/L			08/28/12 03:23	1
Xylenes, Total	ND		1.0		ug/L			08/28/12 03:23	1
2,2-Dichloropropane	ND		0.50		ug/L			08/28/12 03:23	1
Gasoline Range Organics (GRO) -C5-C12	**200**	R	50		ug/L			08/28/12 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 130*		*08/28/12 03:23*	*1*
4-Bromofluorobenzene	*106*		*67 - 130*		*08/28/12 12:14*	*5*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*08/28/12 03:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*		*08/28/12 12:14*	*5*
Toluene-d8 (Surr)	*94*		*70 - 130*		*08/28/12 03:23*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*08/28/12 12:14*	*5*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119840/5
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/27/12 19:44	1
Acetone	ND		50		ug/L			08/27/12 19:44	1
Benzene	ND		0.50		ug/L			08/27/12 19:44	1
Dichlorobromomethane	ND		0.50		ug/L			08/27/12 19:44	1
Bromobenzene	ND		1.0		ug/L			08/27/12 19:44	1
Chlorobromomethane	ND		1.0		ug/L			08/27/12 19:44	1
Bromoform	ND		1.0		ug/L			08/27/12 19:44	1
Bromomethane	ND		1.0		ug/L			08/27/12 19:44	1
2-Butanone (MEK)	ND		50		ug/L			08/27/12 19:44	1
n-Butylbenzene	ND		1.0		ug/L			08/27/12 19:44	1
sec-Butylbenzene	ND		1.0		ug/L			08/27/12 19:44	1
tert-Butylbenzene	ND		1.0		ug/L			08/27/12 19:44	1
Carbon disulfide	ND		5.0		ug/L			08/27/12 19:44	1
Carbon tetrachloride	ND		0.50		ug/L			08/27/12 19:44	1
Chlorobenzene	ND		0.50		ug/L			08/27/12 19:44	1
Chloroethane	ND		1.0		ug/L			08/27/12 19:44	1
Chloroform	ND		1.0		ug/L			08/27/12 19:44	1
Chloromethane	ND		1.0		ug/L			08/27/12 19:44	1
2-Chlorotoluene	ND		0.50		ug/L			08/27/12 19:44	1
4-Chlorotoluene	ND		0.50		ug/L			08/27/12 19:44	1
Chlorodibromomethane	ND		0.50		ug/L			08/27/12 19:44	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/27/12 19:44	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/27/12 19:44	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/27/12 19:44	1
1,3-Dichloropropane	ND		1.0		ug/L			08/27/12 19:44	1
1,1-Dichloropropene	ND		0.50		ug/L			08/27/12 19:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/27/12 19:44	1
Ethylene Dibromide	ND		0.50		ug/L			08/27/12 19:44	1
Dibromomethane	ND		0.50		ug/L			08/27/12 19:44	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/27/12 19:44	1
1,1-Dichloroethane	ND		0.50		ug/L			08/27/12 19:44	1
1,2-Dichloroethane	ND		0.50		ug/L			08/27/12 19:44	1
1,1-Dichloroethene	ND		0.50		ug/L			08/27/12 19:44	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/27/12 19:44	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/27/12 19:44	1
1,2-Dichloropropane	ND		0.50		ug/L			08/27/12 19:44	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/27/12 19:44	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/27/12 19:44	1
Ethylbenzene	ND		0.50		ug/L			08/27/12 19:44	1
Hexachlorobutadiene	ND		1.0		ug/L			08/27/12 19:44	1
2-Hexanone	ND		50		ug/L			08/27/12 19:44	1
Isopropylbenzene	ND		0.50		ug/L			08/27/12 19:44	1
4-Isopropyltoluene	ND		1.0		ug/L			08/27/12 19:44	1
Methylene Chloride	ND		5.0		ug/L			08/27/12 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/27/12 19:44	1
Naphthalene	ND		1.0		ug/L			08/27/12 19:44	1
N-Propylbenzene	ND		1.0		ug/L			08/27/12 19:44	1
Styrene	ND		0.50		ug/L			08/27/12 19:44	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/27/12 19:44	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119840/5
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/27/12 19:44	1
Tetrachloroethene	ND		0.50		ug/L			08/27/12 19:44	1
Toluene	ND		0.50		ug/L			08/27/12 19:44	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/27/12 19:44	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/27/12 19:44	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/27/12 19:44	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/27/12 19:44	1
Trichloroethene	ND		0.50		ug/L			08/27/12 19:44	1
Trichlorofluoromethane	ND		1.0		ug/L			08/27/12 19:44	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/27/12 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/27/12 19:44	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/27/12 19:44	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/27/12 19:44	1
Vinyl acetate	ND		10		ug/L			08/27/12 19:44	1
Vinyl chloride	ND		0.50		ug/L			08/27/12 19:44	1
Xylenes, Total	ND		1.0		ug/L			08/27/12 19:44	1
2,2-Dichloropropane	ND		0.50		ug/L			08/27/12 19:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/27/12 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*08/27/12 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*08/27/12 19:44*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/27/12 19:44*	*1*

Lab Sample ID: LCS 720-119840/6
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.3		ug/L		101	62 - 130
Acetone	125	85.1		ug/L		68	26 - 180
Benzene	25.0	25.2		ug/L		101	79 - 130
Dichlorobromomethane	25.0	26.2		ug/L		105	70 - 130
Bromobenzene	25.0	25.4		ug/L		102	70 - 130
Chlorobromomethane	25.0	25.5		ug/L		102	70 - 130
Bromoform	25.0	26.5		ug/L		106	68 - 136
Bromomethane	25.0	24.2		ug/L		97	43 - 151
2-Butanone (MEK)	125	118		ug/L		95	54 - 130
n-Butylbenzene	25.0	26.4		ug/L		105	70 - 142
sec-Butylbenzene	25.0	26.6		ug/L		107	70 - 134
tert-Butylbenzene	25.0	27.0		ug/L		108	70 - 135
Carbon disulfide	25.0	29.1		ug/L		117	58 - 130
Carbon tetrachloride	25.0	26.7		ug/L		107	70 - 146
Chlorobenzene	25.0	25.8		ug/L		103	70 - 130
Chloroethane	25.0	24.7		ug/L		99	62 - 138
Chloroform	25.0	25.2		ug/L		101	70 - 130
Chloromethane	25.0	23.3		ug/L		93	52 - 175
2-Chlorotoluene	25.0	26.8		ug/L		107	70 - 130
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119840/6
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	26.2		ug/L		105	70 - 145
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	25.8		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	27.2		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	24.3		ug/L		97	70 - 136
Ethylene Dibromide	25.0	26.3		ug/L		105	70 - 130
Dibromomethane	25.0	25.4		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	19.3		ug/L		77	34 - 132
1,1-Dichloroethane	25.0	26.0		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	25.1		ug/L		100	61 - 132
1,1-Dichloroethene	25.0	26.0		ug/L		104	64 - 128
cis-1,2-Dichloroethene	25.0	26.9		ug/L		107	70 - 130
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	68 - 130
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	25.0	27.3		ug/L		109	70 - 130
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	70 - 140
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	22.5		ug/L		90	70 - 130
2-Hexanone	125	118		ug/L		95	60 - 164
Isopropylbenzene	25.0	27.2		ug/L		109	70 - 130
4-Isopropyltoluene	25.0	25.9		ug/L		104	70 - 130
Methylene Chloride	25.0	22.3		ug/L		89	70 - 147
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130
Naphthalene	25.0	22.7		ug/L		91	70 - 130
N-Propylbenzene	25.0	27.5		ug/L		110	70 - 130
Styrene	25.0	26.4		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.2		ug/L		105	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	70 - 130
Toluene	25.0	25.6		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	22.2		ug/L		89	70 - 130
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	70 - 130
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	70 - 130
Trichloroethene	25.0	26.2		ug/L		105	70 - 130
Trichlorofluoromethane	25.0	25.1		ug/L		101	66 - 132
1,2,3-Trichloropropane	25.0	26.5		ug/L		106	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.8		ug/L		103	42 - 162
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		105	70 - 132
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130
Vinyl acetate	25.0	24.9		ug/L		100	43 - 163
Vinyl chloride	25.0	23.6		ug/L		94	54 - 135
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 142
o-Xylene	25.0	26.6		ug/L		106	70 - 130
2,2-Dichloropropane	25.0	26.6		ug/L		107	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119840/6
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCS 720-119840/8
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	496		ug/L		99	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-119840/7
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.0		ug/L		100	62 - 130	1	20
Acetone	125	82.1		ug/L		66	26 - 180	4	30
Benzene	25.0	25.3		ug/L		101	79 - 130	0	20
Dichlorobromomethane	25.0	25.8		ug/L		103	70 - 130	2	20
Bromobenzene	25.0	25.7		ug/L		103	70 - 130	1	20
Chlorobromomethane	25.0	24.9		ug/L		100	70 - 130	2	20
Bromoform	25.0	26.4		ug/L		106	68 - 136	0	20
Bromomethane	25.0	24.1		ug/L		97	43 - 151	0	20
2-Butanone (MEK)	125	116		ug/L		93	54 - 130	2	20
n-Butylbenzene	25.0	26.1		ug/L		104	70 - 142	1	20
sec-Butylbenzene	25.0	26.9		ug/L		108	70 - 134	1	20
tert-Butylbenzene	25.0	27.5		ug/L		110	70 - 135	2	20
Carbon disulfide	25.0	29.1		ug/L		116	58 - 130	0	20
Carbon tetrachloride	25.0	26.3		ug/L		105	70 - 146	2	20
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130	0	20
Chloroethane	25.0	25.0		ug/L		100	62 - 138	1	20
Chloroform	25.0	24.9		ug/L		100	70 - 130	1	20
Chloromethane	25.0	23.6		ug/L		95	52 - 175	2	20
2-Chlorotoluene	25.0	27.2		ug/L		109	70 - 130	2	20
4-Chlorotoluene	25.0	26.1		ug/L		105	70 - 130	1	20
Chlorodibromomethane	25.0	25.9		ug/L		103	70 - 145	1	20
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	70 - 130	1	20
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.4		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	25.5		ug/L		102	70 - 130	1	20
1,1-Dichloropropene	25.0	27.2		ug/L		109	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		99	70 - 136	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119840/7
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	26.1		ug/L		104	70 - 130	1	20
Dibromomethane	25.0	24.9		ug/L		99	70 - 130	2	20
Dichlorodifluoromethane	25.0	19.4		ug/L		78	34 - 132	1	20
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130	0	20
1,2-Dichloroethane	25.0	24.6		ug/L		99	61 - 132	2	20
1,1-Dichloroethene	25.0	25.8		ug/L		103	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	70 - 130	0	20
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	68 - 130	1	20
1,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	70 - 140	1	20
Ethylbenzene	25.0	25.7		ug/L		103	80 - 120	0	20
Hexachlorobutadiene	25.0	22.7		ug/L		91	70 - 130	1	20
2-Hexanone	125	116		ug/L		93	60 - 164	2	20
Isopropylbenzene	25.0	27.4		ug/L		110	70 - 130	1	20
4-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130	0	20
Methylene Chloride	25.0	21.9		ug/L		88	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130	0	20
Naphthalene	25.0	23.3		ug/L		93	70 - 130	3	20
N-Propylbenzene	25.0	27.8		ug/L		111	70 - 130	1	20
Styrene	25.0	26.5		ug/L		106	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	25.1		ug/L		100	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	26.6		ug/L		106	70 - 130	1	20
Tetrachloroethene	25.0	26.1		ug/L		104	70 - 130	2	20
Toluene	25.0	25.5		ug/L		102	78 - 120	0	20
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	21.6		ug/L		86	70 - 130	2	20
1,1,1-Trichloroethane	25.0	26.4		ug/L		105	70 - 130	1	20
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	70 - 130	1	20
Trichloroethene	25.0	26.1		ug/L		104	70 - 130	1	20
Trichlorofluoromethane	25.0	24.9		ug/L		100	66 - 132	1	20
1,2,3-Trichloropropane	25.0	27.0		ug/L		108	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 132	0	20
1,3,5-Trimethylbenzene	25.0	27.0		ug/L		108	70 - 130	2	20
Vinyl acetate	25.0	24.9		ug/L		100	43 - 163	0	20
Vinyl chloride	25.0	24.0		ug/L		96	54 - 135	2	20
m-Xylene & p-Xylene	50.0	52.3		ug/L		105	70 - 142	0	20
o-Xylene	25.0	26.6		ug/L		107	70 - 130	0	20
2,2-Dichloropropane	25.0	27.5		ug/L		110	70 - 140	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119840/9
Matrix: Water
Analysis Batch: 119840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	491		ug/L		98	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 720-119873/4
Matrix: Water
Analysis Batch: 119873

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50		ug/L			08/28/12 09:12	1
Trichloroethene	ND		0.50		ug/L			08/28/12 09:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/28/12 09:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*		*08/28/12 09:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/28/12 09:12*	*1*

Lab Sample ID: LCS 720-119873/5
Matrix: Water
Analysis Batch: 119873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130
Trichloroethene	25.0	25.4		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-119873/6
Matrix: Water
Analysis Batch: 119873

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	25.0	25.3		ug/L		101	70 - 130	1	20
Trichloroethene	25.0	25.3		ug/L		101	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

GC/MS VOA

Analysis Batch: 119840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44190-1	SB-34	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119840/6	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119840/8	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119840/7	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119840/9	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119840/5	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 119873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44190-1	SB-34	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119873/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119873/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119873/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Client Sample ID: SB-34

Date Collected: 08/27/12 14:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44190-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119840	08/28/12 03:23	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		5	119873	08/28/12 12:14	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44190-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44190-1	SB-34	Water	08/27/12 14:45	08/27/12 16:40

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CHAIN-OF-CUSTODY RECORD

720-44190

OAK 17390

PROJECT NAME:			DATE: / PAGE 1 OF 1
PROJECT NUMBER: 0D10160070	LABORATORY NAME: Test America	CLIENT INFORMATION: AMEC	REPORTING REQUIREMENTS: 140410
RESULTS TO: Avery.Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln		
TURNAROUND TIME: 24 HR RUSH	Pleasanton, CA		
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED (YES) NO
	LABORATORY PHONE NUMBER: 925-484-1919		SITE SPECIFIC GLOBAL ID NO. T10000016116

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	VOCs + TPH g (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/27/12	1445	SB-34	X	VOA	W	N	HCl	Y	N	3	

24 HR

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: Avery Patton	8/27/12	1640	SIGNATURE:	8/27/12	1640
PRINTED NAME: Avery Patton			PRINTED NAME: T. Bullock		
COMPANY: AMEC			COMPANY: TEST AMERICA		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

3.9°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

8/28/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44190-1

Login Number: 44190
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Project Name not on COC, Crown Chevy listed on sample labels.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44191-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/31/2012 2:06:39 PM
Micah Smith
Project Manager I
micah.smith@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44191-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44191-1

Comments
No additional comments.

Receipt
The samples were received on 8/27/2012 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.9° C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Client Sample ID: SB-33-5.3 — Lab Sample ID: 720-44191-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.7		3.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-33-10.3 — Lab Sample ID: 720-44191-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	28		3.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-34-5.0 — Lab Sample ID: 720-44191-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	14		4.1		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-34-10.0 — Lab Sample ID: 720-44191-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	38		3.6		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-35-5.0 — Lab Sample ID: 720-44191-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	21		3.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-35-10.0 — Lab Sample ID: 720-44191-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	48		3.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-33-5.3
Date Collected: 08/27/12 09:30
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Acetone	ND		38		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Benzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Dichlorobromomethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Bromobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chlorobromomethane	ND		15		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Bromoform	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Bromomethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
2-Butanone (MEK)	ND		38		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
n-Butylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
sec-Butylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
tert-Butylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Carbon disulfide	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Carbon tetrachloride	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chloroethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chloroform	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chloromethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
2-Chlorotoluene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
4-Chlorotoluene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Chlorodibromomethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2-Dichlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,3-Dichlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,4-Dichlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,3-Dichloropropane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1-Dichloropropene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2-Dibromo-3-Chloropropane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Ethylene Dibromide	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Dibromomethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Dichlorodifluoromethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1-Dichloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2-Dichloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1-Dichloroethene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
cis-1,2-Dichloroethene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
trans-1,2-Dichloroethene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2-Dichloropropane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
cis-1,3-Dichloropropene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
trans-1,3-Dichloropropene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Ethylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Hexachlorobutadiene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
2-Hexanone	ND		38		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Isopropylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
4-Isopropyltoluene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Methylene Chloride	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		38		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Naphthalene	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
N-Propylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Styrene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1,1,2-Tetrachloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1,2,2-Tetrachloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Tetrachloroethene	**5.7**		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-33-5.3
Date Collected: 08/27/12 09:30
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2,3-Trichlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2,4-Trichlorobenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1,1-Trichloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1,2-Trichloroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Trichloroethene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Trichlorofluoromethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2,3-Trichloropropane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,2,4-Trimethylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
1,3,5-Trimethylbenzene	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Vinyl acetate	ND		38 WJ		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Vinyl chloride	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Xylenes, Total	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
2,2-Dichloropropane	ND		3.8		ug/Kg		08/27/12 17:45	08/28/12 11:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		190		ug/Kg		08/27/12 17:45	08/28/12 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*08/27/12 17:45*	*08/28/12 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*	*08/27/12 17:45*	*08/28/12 11:50*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*08/27/12 17:45*	*08/28/12 11:50*	*1*

Client Sample ID: SB-33-10.3
Date Collected: 08/27/12 09:35
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Acetone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Benzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Dichlorobromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Bromobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chlorobromomethane	ND		16		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Bromoform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Bromomethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
2-Butanone (MEK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
n-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
sec-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
tert-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Carbon disulfide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Carbon tetrachloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chloroethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chloroform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chloromethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
2-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
4-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Chlorodibromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,3-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-33-10.3
Date Collected: 08/27/12 09:35
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Ethylene Dibromide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Dibromomethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Dichlorodifluoromethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Ethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Hexachlorobutadiene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
2-Hexanone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Isopropylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
4-Isopropyltoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Methylene Chloride	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Naphthalene	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
N-Propylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Styrene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Tetrachloroethene	**28**		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Toluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Trichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Trichlorofluoromethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Vinyl acetate	ND		39 UJ		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Vinyl chloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Xylenes, Total	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
2,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 12:19	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		08/27/12 17:45	08/28/12 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*45 - 131*	*08/27/12 17:45*	*08/28/12 12:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*08/27/12 17:45*	*08/28/12 12:19*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*08/27/12 17:45*	*08/28/12 12:19*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-34-5.0
Date Collected: 08/27/12 10:35
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Acetone	ND		41		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Benzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Dichlorobromomethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Bromobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chlorobromomethane	ND		16		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Bromoform	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Bromomethane	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
2-Butanone (MEK)	ND		41		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
n-Butylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
sec-Butylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
tert-Butylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Carbon disulfide	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Carbon tetrachloride	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chloroethane	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chloroform	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chloromethane	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
2-Chlorotoluene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
4-Chlorotoluene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Chlorodibromomethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,3-Dichloropropane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1-Dichloropropene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Ethylene Dibromide	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Dibromomethane	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Dichlorodifluoromethane	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1-Dichloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2-Dichloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1-Dichloroethene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2-Dichloropropane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Ethylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Hexachlorobutadiene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
2-Hexanone	ND		41		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Isopropylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
4-Isopropyltoluene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Methylene Chloride	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Naphthalene	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
N-Propylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Styrene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Tetrachloroethene	**14**		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-34-5.0
Date Collected: 08/27/12 10:35
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Trichloroethene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Trichlorofluoromethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Vinyl acetate	ND		41 UJ		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Vinyl chloride	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Xylenes, Total	ND		8.2		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
2,2-Dichloropropane	ND		4.1		ug/Kg		08/27/12 17:45	08/28/12 12:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		08/27/12 17:45	08/28/12 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*08/27/12 17:45*	*08/28/12 12:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*08/27/12 17:45*	*08/28/12 12:48*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*08/27/12 17:45*	*08/28/12 12:48*	*1*

Client Sample ID: SB-34-10.0
Date Collected: 08/27/12 10:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Acetone	ND		36		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Benzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Dichlorobromomethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Bromobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chlorobromomethane	ND		14		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Bromoform	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Bromomethane	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
2-Butanone (MEK)	ND		36		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
n-Butylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
sec-Butylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
tert-Butylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Carbon disulfide	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Carbon tetrachloride	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chloroethane	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chloroform	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chloromethane	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
2-Chlorotoluene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
4-Chlorotoluene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Chlorodibromomethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2-Dichlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,3-Dichlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,4-Dichlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,3-Dichloropropane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-34-10.0
Date Collected: 08/27/12 10:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2-Dibromo-3-Chloropropane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Ethylene Dibromide	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Dibromomethane	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Dichlorodifluoromethane	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1-Dichloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2-Dichloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1-Dichloroethene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
cis-1,2-Dichloroethene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
trans-1,2-Dichloroethene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2-Dichloropropane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
cis-1,3-Dichloropropene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
trans-1,3-Dichloropropene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Ethylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Hexachlorobutadiene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
2-Hexanone	ND		36		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Isopropylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
4-Isopropyltoluene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Methylene Chloride	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		36		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Naphthalene	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
N-Propylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Styrene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1,1,2-Tetrachloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1,2,2-Tetrachloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Tetrachloroethene	**38**		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Toluene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2,3-Trichlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2,4-Trichlorobenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1,1-Trichloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1,2-Trichloroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Trichloroethene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Trichlorofluoromethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2,3-Trichloropropane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,2,4-Trimethylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
1,3,5-Trimethylbenzene	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Vinyl acetate	ND		36 UJ		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Vinyl chloride	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Xylenes, Total	ND		7.2		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
2,2-Dichloropropane	ND		3.6		ug/Kg		08/27/12 17:45	08/28/12 13:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		180		ug/Kg		08/27/12 17:45	08/28/12 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*	*08/27/12 17:45*	*08/28/12 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*	*08/27/12 17:45*	*08/28/12 13:17*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*08/27/12 17:45*	*08/28/12 13:17*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-35-5.0
Date Collected: 08/27/12 13:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Acetone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Benzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Dichlorobromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Bromobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chlorobromomethane	ND		15		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Bromoform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Bromomethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
2-Butanone (MEK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
n-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
sec-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
tert-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Carbon disulfide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Carbon tetrachloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chloroethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chloroform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chloromethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
2-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
4-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Chlorodibromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,3-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Ethylene Dibromide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Dibromomethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Dichlorodifluoromethane	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Ethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Hexachlorobutadiene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
2-Hexanone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Isopropylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
4-Isopropyltoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Methylene Chloride	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Naphthalene	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
N-Propylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Styrene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Tetrachloroethene	**21**		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-35-5.0
Date Collected: 08/27/12 13:45
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Trichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Trichlorofluoromethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Vinyl acetate	ND		39	UJ	ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Vinyl chloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Xylenes, Total	ND		7.7		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
2,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 13:46	1
Gasoline Range Organics (GRO) -C5-C12	ND		190		ug/Kg		08/27/12 17:45	08/28/12 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*08/27/12 17:45*	*08/28/12 13:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*	*08/27/12 17:45*	*08/28/12 13:46*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*08/27/12 17:45*	*08/28/12 13:46*	*1*

Client Sample ID: SB-35-10.0
Date Collected: 08/27/12 13:55
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Acetone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Benzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Dichlorobromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Bromobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chlorobromomethane	ND		16		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Bromoform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Bromomethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
2-Butanone (MEK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
n-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
sec-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
tert-Butylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Carbon disulfide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Carbon tetrachloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chloroethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chloroform	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chloromethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
2-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
4-Chlorotoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Chlorodibromomethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,3-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-35-10.0
Date Collected: 08/27/12 13:55
Date Received: 08/27/12 16:40

Lab Sample ID: 720-44191-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Ethylene Dibromide	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Dibromomethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Dichlorodifluoromethane	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2-Dichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Ethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Hexachlorobutadiene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
2-Hexanone	ND		39		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Isopropylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
4-Isopropyltoluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Methylene Chloride	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Naphthalene	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
N-Propylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Styrene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Tetrachloroethene	**48**		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Toluene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Trichloroethene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Trichlorofluoromethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Vinyl acetate	ND		39	UJ	ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Vinyl chloride	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Xylenes, Total	ND		7.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
2,2-Dichloropropane	ND		3.9		ug/Kg		08/27/12 17:45	08/28/12 14:15	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		08/27/12 17:45	08/28/12 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*08/27/12 17:45*	*08/28/12 14:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*08/27/12 17:45*	*08/28/12 14:15*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*08/27/12 17:45*	*08/28/12 14:15*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119888/1-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Acetone	ND		50		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Benzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Dichlorobromomethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Bromobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chlorobromomethane	ND		20		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Bromoform	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Bromomethane	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
2-Butanone (MEK)	ND		50		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
n-Butylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
sec-Butylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
tert-Butylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Carbon disulfide	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Carbon tetrachloride	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chloroethane	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chloroform	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chloromethane	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
2-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
4-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Chlorodibromomethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,3-Dichloropropane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1-Dichloropropene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Dibromomethane	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Dichlorodifluoromethane	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1-Dichloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1-Dichloroethene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Ethylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Hexachlorobutadiene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
2-Hexanone	ND		50		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Isopropylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
4-Isopropyltoluene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Methylene Chloride	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Naphthalene	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
N-Propylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Styrene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119888/1-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119888

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Tetrachloroethene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Toluene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Trichloroethene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Trichlorofluoromethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Vinyl acetate	ND		50		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Vinyl chloride	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Xylenes, Total	ND		10		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
2,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 07:30	08/28/12 09:09	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/28/12 07:30	08/28/12 09:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*45 - 131*	*08/28/12 07:30*	*08/28/12 09:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*	*08/28/12 07:30*	*08/28/12 09:09*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*08/28/12 07:30*	*08/28/12 09:09*	*1*

Lab Sample ID: LCS 720-119888/2-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	49.5		ug/Kg		99	70 - 144
Acetone	250	155		ug/Kg		62	30 - 162
Benzene	50.0	49.4		ug/Kg		99	70 - 130
Dichlorobromomethane	50.0	50.2		ug/Kg		100	70 - 131
Bromobenzene	50.0	48.9		ug/Kg		98	70 - 130
Chlorobromomethane	50.0	49.1		ug/Kg		98	70 - 130
Bromoform	50.0	52.3		ug/Kg		105	59 - 158
Bromomethane	50.0	46.5		ug/Kg		93	59 - 132
2-Butanone (MEK)	250	230		ug/Kg		92	53 - 124
n-Butylbenzene	50.0	52.1		ug/Kg		104	70 - 142
sec-Butylbenzene	50.0	51.5		ug/Kg		103	70 - 136
tert-Butylbenzene	50.0	51.9		ug/Kg		104	70 - 130
Carbon disulfide	50.0	55.2		ug/Kg		110	60 - 140
Carbon tetrachloride	50.0	50.0		ug/Kg		100	70 - 138
Chlorobenzene	50.0	50.9		ug/Kg		102	70 - 130
Chloroethane	50.0	48.0		ug/Kg		96	65 - 130
Chloroform	50.0	48.8		ug/Kg		98	77 - 127
Chloromethane	50.0	44.3		ug/Kg		89	55 - 140
2-Chlorotoluene	50.0	51.6		ug/Kg		103	70 - 138
4-Chlorotoluene	50.0	50.3		ug/Kg		101	70 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119888/2-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	50.0	50.6		ug/Kg		101	70 - 146
1,2-Dichlorobenzene	50.0	47.6		ug/Kg		95	70 - 130
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	70 - 131
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	70 - 130
1,3-Dichloropropane	50.0	51.1		ug/Kg		102	70 - 140
1,1-Dichloropropene	50.0	53.0		ug/Kg		106	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.1		ug/Kg		94	60 - 145
Ethylene Dibromide	50.0	51.6		ug/Kg		103	70 - 140
Dibromomethane	50.0	49.5		ug/Kg		99	70 - 139
Dichlorodifluoromethane	50.0	36.7		ug/Kg		73	37 - 158
1,1-Dichloroethane	50.0	49.8		ug/Kg		100	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130
1,1-Dichloroethene	50.0	49.9		ug/Kg		100	76 - 122
cis-1,2-Dichloroethene	50.0	51.5		ug/Kg		103	70 - 138
trans-1,2-Dichloroethene	50.0	50.4		ug/Kg		101	67 - 130
1,2-Dichloropropane	50.0	49.7		ug/Kg		99	73 - 127
cis-1,3-Dichloropropene	50.0	53.5		ug/Kg		107	68 - 147
trans-1,3-Dichloropropene	50.0	52.1		ug/Kg		104	70 - 136
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 137
Hexachlorobutadiene	50.0	46.7		ug/Kg		93	70 - 132
2-Hexanone	250	234		ug/Kg		94	44 - 133
Isopropylbenzene	50.0	54.0		ug/Kg		108	88 - 128
4-Isopropyltoluene	50.0	50.5		ug/Kg		101	70 - 133
Methylene Chloride	50.0	42.6		ug/Kg		85	70 - 134
4-Methyl-2-pentanone (MIBK)	250	257		ug/Kg		103	60 - 160
Naphthalene	50.0	44.7		ug/Kg		89	60 - 147
N-Propylbenzene	50.0	53.8		ug/Kg		108	70 - 130
Styrene	50.0	52.4		ug/Kg		105	70 - 130
1,1,1,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	70 - 146
Tetrachloroethene	50.0	52.0		ug/Kg		104	70 - 132
Toluene	50.0	51.1		ug/Kg		102	80 - 128
1,2,3-Trichlorobenzene	50.0	44.3		ug/Kg		89	60 - 140
1,2,4-Trichlorobenzene	50.0	44.8		ug/Kg		90	60 - 140
1,1,1-Trichloroethane	50.0	50.6		ug/Kg		101	70 - 130
1,1,2-Trichloroethane	50.0	50.5		ug/Kg		101	70 - 130
Trichloroethene	50.0	51.0		ug/Kg		102	70 - 133
Trichlorofluoromethane	50.0	48.2		ug/Kg		96	60 - 140
1,2,3-Trichloropropane	50.0	50.9		ug/Kg		102	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.8		ug/Kg		98	60 - 140
1,2,4-Trimethylbenzene	50.0	50.8		ug/Kg		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.6		ug/Kg		103	70 - 131
Vinyl acetate	50.0	52.2		ug/Kg		104	38 - 176
Vinyl chloride	50.0	45.8		ug/Kg		92	58 - 125
m-Xylene & p-Xylene	100	104		ug/Kg		104	70 - 146
o-Xylene	50.0	52.6		ug/Kg		105	70 - 140
2,2-Dichloropropane	50.0	55.0		ug/Kg		110	70 - 162

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119888/2-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119888

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Lab Sample ID: LCS 720-119888/4-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	988		ug/Kg		99	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Lab Sample ID: LCSD 720-119888/3-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	49.6		ug/Kg		99	70 - 144	0	20
Acetone	250	155		ug/Kg		62	30 - 162	0	30
Benzene	50.0	49.9		ug/Kg		100	70 - 130	1	20
Dichlorobromomethane	50.0	49.7		ug/Kg		99	70 - 131	1	20
Bromobenzene	50.0	49.4		ug/Kg		99	70 - 130	1	20
Chlorobromomethane	50.0	49.2		ug/Kg		98	70 - 130	0	20
Bromoform	50.0	51.2		ug/Kg		102	59 - 158	2	20
Bromomethane	50.0	47.1		ug/Kg		94	59 - 132	1	20
2-Butanone (MEK)	250	223		ug/Kg		89	53 - 124	3	20
n-Butylbenzene	50.0	53.4		ug/Kg		107	70 - 142	2	20
sec-Butylbenzene	50.0	52.9		ug/Kg		106	70 - 136	3	20
tert-Butylbenzene	50.0	53.5		ug/Kg		107	70 - 130	3	20
Carbon disulfide	50.0	57.0		ug/Kg		114	60 - 140	3	20
Carbon tetrachloride	50.0	52.0		ug/Kg		104	70 - 138	4	20
Chlorobenzene	50.0	51.1		ug/Kg		102	70 - 130	0	20
Chloroethane	50.0	49.3		ug/Kg		99	65 - 130	3	20
Chloroform	50.0	49.0		ug/Kg		98	77 - 127	0	20
Chloromethane	50.0	47.2		ug/Kg		94	55 - 140	6	20
2-Chlorotoluene	50.0	53.2		ug/Kg		106	70 - 138	3	20
4-Chlorotoluene	50.0	51.7		ug/Kg		103	70 - 136	3	20
Chlorodibromomethane	50.0	51.2		ug/Kg		102	70 - 146	1	20
1,2-Dichlorobenzene	50.0	48.8		ug/Kg		98	70 - 130	3	20
1,3-Dichlorobenzene	50.0	51.6		ug/Kg		103	70 - 131	2	20
1,4-Dichlorobenzene	50.0	50.1		ug/Kg		100	70 - 130	1	20
1,3-Dichloropropane	50.0	50.7		ug/Kg		101	70 - 140	1	20
1,1-Dichloropropene	50.0	54.3		ug/Kg		109	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	50.0	46.8		ug/Kg		94	60 - 145	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119888/3-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	50.0	51.6		ug/Kg		103	70 - 140	0	20
Dibromomethane	50.0	49.3		ug/Kg		99	70 - 139	1	20
Dichlorodifluoromethane	50.0	38.0		ug/Kg		76	37 - 158	3	20
1,1-Dichloroethane	50.0	51.4		ug/Kg		103	70 - 130	3	20
1,2-Dichloroethane	50.0	49.3		ug/Kg		99	70 - 130	0	20
1,1-Dichloroethene	50.0	50.9		ug/Kg		102	76 - 122	2	20
cis-1,2-Dichloroethene	50.0	53.1		ug/Kg		106	70 - 138	3	20
trans-1,2-Dichloroethene	50.0	49.5		ug/Kg		99	67 - 130	2	20
1,2-Dichloropropane	50.0	50.3		ug/Kg		101	73 - 127	1	20
cis-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	52.5		ug/Kg		105	70 - 136	1	20
Ethylbenzene	50.0	51.0		ug/Kg		102	80 - 137	1	20
Hexachlorobutadiene	50.0	48.5		ug/Kg		97	70 - 132	4	20
2-Hexanone	250	226		ug/Kg		91	44 - 133	3	20
Isopropylbenzene	50.0	54.6		ug/Kg		109	88 - 128	1	20
4-Isopropyltoluene	50.0	52.2		ug/Kg		104	70 - 133	3	20
Methylene Chloride	50.0	43.0		ug/Kg		86	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	259		ug/Kg		104	60 - 160	1	20
Naphthalene	50.0	45.8		ug/Kg		92	60 - 147	2	20
N-Propylbenzene	50.0	55.0		ug/Kg		110	70 - 130	2	20
Styrene	50.0	52.2		ug/Kg		104	70 - 130	0	20
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/Kg		98	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/Kg		102	70 - 146	1	20
Tetrachloroethene	50.0	52.8		ug/Kg		106	70 - 132	2	20
Toluene	50.0	50.6		ug/Kg		101	80 - 128	1	20
1,2,3-Trichlorobenzene	50.0	45.6		ug/Kg		91	60 - 140	3	20
1,2,4-Trichlorobenzene	50.0	45.8		ug/Kg		92	60 - 140	2	20
1,1,1-Trichloroethane	50.0	51.5		ug/Kg		103	70 - 130	2	20
1,1,2-Trichloroethane	50.0	50.9		ug/Kg		102	70 - 130	1	20
Trichloroethene	50.0	51.4		ug/Kg		103	70 - 133	1	20
Trichlorofluoromethane	50.0	50.3		ug/Kg		101	60 - 140	4	20
1,2,3-Trichloropropane	50.0	50.8		ug/Kg		102	70 - 146	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.4		ug/Kg		101	60 - 140	3	20
1,2,4-Trimethylbenzene	50.0	51.7		ug/Kg		103	70 - 130	2	20
1,3,5-Trimethylbenzene	50.0	52.9		ug/Kg		106	70 - 131	3	20
Vinyl acetate	50.0	53.0		ug/Kg		106	38 - 176	1	20
Vinyl chloride	50.0	47.4		ug/Kg		95	58 - 125	3	20
m-Xylene & p-Xylene	100	105		ug/Kg		105	70 - 146	0	20
o-Xylene	50.0	52.9		ug/Kg		106	70 - 140	1	20
2,2-Dichloropropane	50.0	56.5		ug/Kg		113	70 - 162	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119888/5-A
Matrix: Solid
Analysis Batch: 119874

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119888

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	969		ug/Kg		97	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*99*		*58 - 140*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

GC/MS VOA

Analysis Batch: 119874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44191-1	SB-33-5.3	Total/NA	Solid	8260B/CA_LUFT MS	119888
720-44191-2	SB-33-10.3	Total/NA	Solid	8260B/CA_LUFT MS	119888
720-44191-3	SB-34-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119888
720-44191-4	SB-34-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119888
720-44191-5	SB-35-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119888
720-44191-6	SB-35-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119888
LCS 720-119888/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119888
LCS 720-119888/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119888
LCSD 720-119888/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119888
LCSD 720-119888/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119888
MB 720-119888/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119888

Prep Batch: 119888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44191-1	SB-33-5.3	Total/NA	Solid	5035	
720-44191-2	SB-33-10.3	Total/NA	Solid	5035	
720-44191-3	SB-34-5.0	Total/NA	Solid	5035	
720-44191-4	SB-34-10.0	Total/NA	Solid	5035	
720-44191-5	SB-35-5.0	Total/NA	Solid	5035	
720-44191-6	SB-35-10.0	Total/NA	Solid	5035	
LCS 720-119888/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-119888/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-119888/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-119888/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-119888/1-A	Method Blank	Total/NA	Solid	5035	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Client Sample ID: SB-33-5.3 — Lab Sample ID: 720-44191-1

Date Collected: 08/27/12 09:30 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 11:50	AC	TAL SF

Client Sample ID: SB-33-10.3 — Lab Sample ID: 720-44191-2

Date Collected: 08/27/12 09:35 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 12:19	AC	TAL SF

Client Sample ID: SB-34-5.0 — Lab Sample ID: 720-44191-3

Date Collected: 08/27/12 10:35 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 12:48	AC	TAL SF

Client Sample ID: SB-34-10.0 — Lab Sample ID: 720-44191-4

Date Collected: 08/27/12 10:45 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 13:17	AC	TAL SF

Client Sample ID: SB-35-5.0 — Lab Sample ID: 720-44191-5

Date Collected: 08/27/12 13:45 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 13:46	AC	TAL SF

Client Sample ID: SB-35-10.0 — Lab Sample ID: 720-44191-6

Date Collected: 08/27/12 13:55 — **Matrix: Solid**
Date Received: 08/27/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119888	08/27/12 17:45	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119874	08/28/12 14:15	AC	TAL SF

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44191-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44191-1	SB-33-5.3	Solid	08/27/12 09:30	08/27/12 16:40
720-44191-2	SB-33-10.3	Solid	08/27/12 09:35	08/27/12 16:40
720-44191-3	SB-34-5.0	Solid	08/27/12 10:35	08/27/12 16:40
720-44191-4	SB-34-10.0	Solid	08/27/12 10:45	08/27/12 16:40
720-44191-5	SB-35-5.0	Solid	08/27/12 13:45	08/27/12 16:40
720-44191-6	SB-35-10.0	Solid	08/27/12 13:55	08/27/12 16:40

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CHAIN-OF-CUSTODY RECORD

720-44191

OAK 17384

PROJECT NAME: Crown Chevrolet		DATE: 8/27/12	PAGE 1 OF 1
PROJECT NUMBER: 0D101600710	LABORATORY NAME: Test America	CLIENT INFORMATION: AMEC	REPORTING REQUIREMENTS: 140411
RESULTS TO: Avery.Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln Pleasanton, CA		
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED (YES) NO
	LABORATORY PHONE NUMBER: 925-484-1919		SITE SPECIFIC GLOBAL ID NO. T10000001616

SAMPLERS (SIGNATURE): H. Young

ANALYSES: VOCs and TPHg 8260B

	DATE	TIME	SAMPLE NUMBER	VOCs and TPHg 8260B	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1.	8/27/12	0930	SB-33-5.3	X	VOA	S	N	MeOH	Y	N	3	
2.		0935	SB-33-10.3	X		S	N	MeOH	Y	N	3	
3.		1035	SB-34-5.0	X		S	N	MeOH	Y	N	3	
4.		1045	SB-34-10.0	X		S	N	MeOH	Y	N	3	
5.		1345	SB-35-5.0	X		S	N	MeOH	Y	N	3	
6.		1355	SB-35-10.0	X		S	N	MeOH	Y	N	3	

Hy

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature]	8/27/12	1640	SIGNATURE: [signature]	8/27/12	1640
PRINTED NAME:			PRINTED NAME: T. Bullock		
COMPANY:			COMPANY: Test America		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

3.9°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44191-1

Login Number: 44191
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44217-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/29/2012 3:03:13 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44217-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44217-1

Revised Report on 9/13/12.

Comments

No additional comments.

Receipt

The samples were received on 8/28/2012 3:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

GC/MS VOA

Method(s) 8260B: The following sample(s) contained a single peak which was within the Gasoline Range Organics (GRO) retention time window: SB-33 (720-44217-3), SB-35 (720-44217-1) which is due to PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

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Client Sample ID: SB-35

Lab Sample ID: 720-44217-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	170		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	0.58		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	170	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-33

Lab Sample ID: 720-44217-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	130		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	0.57		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	140	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-35
Date Collected: 08/28/12 08:10
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 01:10	1
Acetone	ND		50 NS		ug/L			08/29/12 01:10	1
Benzene	ND		0.50		ug/L			08/29/12 01:10	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 01:10	1
Bromobenzene	ND		1.0		ug/L			08/29/12 01:10	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 01:10	1
Bromoform	ND		1.0		ug/L			08/29/12 01:10	1
Bromomethane	ND		1.0		ug/L			08/29/12 01:10	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 01:10	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 01:10	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 01:10	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 01:10	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 01:10	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 01:10	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 01:10	1
Chloroethane	ND		1.0		ug/L			08/29/12 01:10	1
Chloroform	ND		1.0		ug/L			08/29/12 01:10	1
Chloromethane	ND		1.0		ug/L			08/29/12 01:10	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 01:10	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 01:10	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 01:10	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:10	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:10	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:10	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 01:10	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 01:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 01:10	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 01:10	1
Dibromomethane	ND		0.50		ug/L			08/29/12 01:10	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 01:10	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 01:10	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 01:10	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 01:10	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 01:10	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 01:10	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 01:10	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 01:10	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 01:10	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 01:10	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 01:10	1
2-Hexanone	ND		50		ug/L			08/29/12 01:10	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 01:10	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 01:10	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 01:10	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 01:10	1
Naphthalene	ND		1.0		ug/L			08/29/12 01:10	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 01:10	1
Styrene	ND		0.50		ug/L			08/29/12 01:10	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 01:10	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 01:10	1
Tetrachloroethene	**170**		0.50		ug/L			08/29/12 01:10	1

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-35
Date Collected: 08/28/12 08:10
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-1
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 01:10	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 01:10	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 01:10	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 01:10	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 01:10	1
Trichloroethene	**0.58**		0.50		ug/L			08/29/12 01:10	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 01:10	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 01:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 01:10	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 01:10	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 01:10	1
Vinyl acetate	ND		10		ug/L			08/29/12 01:10	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 01:10	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 01:10	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 01:10	1
Gasoline Range Organics (GRO) -C5-C12	**170**	R	50		ug/L			08/29/12 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*08/29/12 01:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*		*08/29/12 01:10*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/29/12 01:10*	*1*

Client Sample ID: SB-33
Date Collected: 08/28/12 08:45
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 01:39	1
Acetone	ND		50 UJ		ug/L			08/29/12 01:39	1
Benzene	ND		0.50		ug/L			08/29/12 01:39	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 01:39	1
Bromobenzene	ND		1.0		ug/L			08/29/12 01:39	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 01:39	1
Bromoform	ND		1.0		ug/L			08/29/12 01:39	1
Bromomethane	ND		1.0		ug/L			08/29/12 01:39	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 01:39	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 01:39	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 01:39	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 01:39	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 01:39	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 01:39	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 01:39	1
Chloroethane	ND		1.0		ug/L			08/29/12 01:39	1
Chloroform	ND		1.0		ug/L			08/29/12 01:39	1
Chloromethane	ND		1.0		ug/L			08/29/12 01:39	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 01:39	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 01:39	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 01:39	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:39	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:39	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 01:39	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 01:39	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-33
Date Collected: 08/28/12 08:45
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-3
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 01:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 01:39	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 01:39	1
Dibromomethane	ND		0.50		ug/L			08/29/12 01:39	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 01:39	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 01:39	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 01:39	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 01:39	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 01:39	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 01:39	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 01:39	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 01:39	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 01:39	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 01:39	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 01:39	1
2-Hexanone	ND		50		ug/L			08/29/12 01:39	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 01:39	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 01:39	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 01:39	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 01:39	1
Naphthalene	ND		1.0		ug/L			08/29/12 01:39	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 01:39	1
Styrene	ND		0.50		ug/L			08/29/12 01:39	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 01:39	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 01:39	1
Tetrachloroethene	**130**		0.50		ug/L			08/29/12 01:39	1
Toluene	ND		0.50		ug/L			08/29/12 01:39	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 01:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 01:39	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 01:39	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 01:39	1
Trichloroethene	**0.57**		0.50		ug/L			08/29/12 01:39	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 01:39	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 01:39	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 01:39	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 01:39	1
Vinyl acetate	ND		10		ug/L			08/29/12 01:39	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 01:39	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 01:39	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 01:39	1
Gasoline Range Organics (GRO) -C5-C12	**140**	R	50		ug/L			08/29/12 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*08/29/12 01:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*		*08/29/12 01:39*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/29/12 01:39*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119921/4
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/28/12 18:56	1
Acetone	ND		50		ug/L			08/28/12 18:56	1
Benzene	ND		0.50		ug/L			08/28/12 18:56	1
Dichlorobromomethane	ND		0.50		ug/L			08/28/12 18:56	1
Bromobenzene	ND		1.0		ug/L			08/28/12 18:56	1
Chlorobromomethane	ND		1.0		ug/L			08/28/12 18:56	1
Bromoform	ND		1.0		ug/L			08/28/12 18:56	1
Bromomethane	ND		1.0		ug/L			08/28/12 18:56	1
2-Butanone (MEK)	ND		50		ug/L			08/28/12 18:56	1
n-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
sec-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
tert-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
Carbon disulfide	ND		5.0		ug/L			08/28/12 18:56	1
Carbon tetrachloride	ND		0.50		ug/L			08/28/12 18:56	1
Chlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
Chloroethane	ND		1.0		ug/L			08/28/12 18:56	1
Chloroform	ND		1.0		ug/L			08/28/12 18:56	1
Chloromethane	ND		1.0		ug/L			08/28/12 18:56	1
2-Chlorotoluene	ND		0.50		ug/L			08/28/12 18:56	1
4-Chlorotoluene	ND		0.50		ug/L			08/28/12 18:56	1
Chlorodibromomethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3-Dichloropropane	ND		1.0		ug/L			08/28/12 18:56	1
1,1-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/28/12 18:56	1
Ethylene Dibromide	ND		0.50		ug/L			08/28/12 18:56	1
Dibromomethane	ND		0.50		ug/L			08/28/12 18:56	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1-Dichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
Ethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
Hexachlorobutadiene	ND		1.0		ug/L			08/28/12 18:56	1
2-Hexanone	ND		50		ug/L			08/28/12 18:56	1
Isopropylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
4-Isopropyltoluene	ND		1.0		ug/L			08/28/12 18:56	1
Methylene Chloride	ND		5.0		ug/L			08/28/12 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/28/12 18:56	1
Naphthalene	ND		1.0		ug/L			08/28/12 18:56	1
N-Propylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
Styrene	ND		0.50		ug/L			08/28/12 18:56	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 18:56	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119921/4
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 18:56	1
Tetrachloroethene	ND		0.50		ug/L			08/28/12 18:56	1
Toluene	ND		0.50		ug/L			08/28/12 18:56	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/28/12 18:56	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/28/12 18:56	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
Trichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
Trichlorofluoromethane	ND		1.0		ug/L			08/28/12 18:56	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
Vinyl acetate	ND		10		ug/L			08/28/12 18:56	1
Vinyl chloride	ND		0.50		ug/L			08/28/12 18:56	1
Xylenes, Total	ND		1.0		ug/L			08/28/12 18:56	1
2,2-Dichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/28/12 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*08/28/12 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*		*08/28/12 18:56*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/28/12 18:56*	*1*

Lab Sample ID: LCS 720-119921/5
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.6		ug/L		99	62 - 130
Acetone	125	82.0		ug/L		66	26 - 180
Benzene	25.0	24.7		ug/L		99	79 - 130
Dichlorobromomethane	25.0	25.9		ug/L		103	70 - 130
Bromobenzene	25.0	24.1		ug/L		96	70 - 130
Chlorobromomethane	25.0	24.9		ug/L		99	70 - 130
Bromoform	25.0	25.3		ug/L		101	68 - 136
Bromomethane	25.0	23.6		ug/L		94	43 - 151
2-Butanone (MEK)	125	106		ug/L		84	54 - 130
n-Butylbenzene	25.0	26.1		ug/L		105	70 - 142
sec-Butylbenzene	25.0	25.7		ug/L		103	70 - 134
tert-Butylbenzene	25.0	25.7		ug/L		103	70 - 135
Carbon disulfide	25.0	28.0		ug/L		112	58 - 130
Carbon tetrachloride	25.0	26.3		ug/L		105	70 - 146
Chlorobenzene	25.0	25.6		ug/L		102	70 - 130
Chloroethane	25.0	24.3		ug/L		97	62 - 138
Chloroform	25.0	24.5		ug/L		98	70 - 130
Chloromethane	25.0	23.0		ug/L		92	52 - 175
2-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130
4-Chlorotoluene	25.0	25.1		ug/L		100	70 - 130

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119921/5
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	25.7		ug/L		103	70 - 145
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
1,1-Dichloropropene	25.0	26.9		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.9		ug/L		88	70 - 136
Ethylene Dibromide	25.0	25.6		ug/L		103	70 - 130
Dibromomethane	25.0	24.8		ug/L		99	70 - 130
Dichlorodifluoromethane	25.0	18.6		ug/L		75	34 - 132
1,1-Dichloroethane	25.0	25.4		ug/L		102	70 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	61 - 132
1,1-Dichloroethene	25.0	25.5		ug/L		102	64 - 128
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	70 - 130
trans-1,2-Dichloroethene	25.0	24.9		ug/L		99	68 - 130
1,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	27.4		ug/L		109	70 - 130
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 140
Ethylbenzene	25.0	25.1		ug/L		100	80 - 120
Hexachlorobutadiene	25.0	22.0		ug/L		88	70 - 130
2-Hexanone	125	110		ug/L		88	60 - 164
Isopropylbenzene	25.0	27.0		ug/L		108	70 - 130
4-Isopropyltoluene	25.0	25.3		ug/L		101	70 - 130
Methylene Chloride	25.0	22.0		ug/L		88	70 - 147
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 130
Naphthalene	25.0	21.5		ug/L		86	70 - 130
N-Propylbenzene	25.0	26.5		ug/L		106	70 - 130
Styrene	25.0	26.0		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130
Tetrachloroethene	25.0	26.1		ug/L		104	70 - 130
Toluene	25.0	25.5		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	70 - 130
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
Trichloroethene	25.0	25.6		ug/L		102	70 - 130
Trichlorofluoromethane	25.0	24.7		ug/L		99	66 - 132
1,2,3-Trichloropropane	25.0	24.5		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 132
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 130
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163
Vinyl chloride	25.0	23.0		ug/L		92	54 - 135
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 142
o-Xylene	25.0	26.1		ug/L		105	70 - 130
2,2-Dichloropropane	25.0	27.5		ug/L		110	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119921/5
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

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Lab Sample ID: LCS 720-119921/7
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	487		ug/L		97	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-119921/6
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.9		ug/L		100	62 - 130	1	20
Acetone	125	85.2		ug/L		68	26 - 180	4	30
Benzene	25.0	24.8		ug/L		99	79 - 130	0	20
Dichlorobromomethane	25.0	25.9		ug/L		104	70 - 130	0	20
Bromobenzene	25.0	24.7		ug/L		99	70 - 130	3	20
Chlorobromomethane	25.0	25.0		ug/L		100	70 - 130	0	20
Bromoform	25.0	25.7		ug/L		103	68 - 136	1	20
Bromomethane	25.0	23.9		ug/L		95	43 - 151	1	20
2-Butanone (MEK)	125	109		ug/L		87	54 - 130	4	20
n-Butylbenzene	25.0	26.2		ug/L		105	70 - 142	0	20
sec-Butylbenzene	25.0	26.2		ug/L		105	70 - 134	2	20
tert-Butylbenzene	25.0	26.4		ug/L		106	70 - 135	3	20
Carbon disulfide	25.0	28.5		ug/L		114	58 - 130	1	20
Carbon tetrachloride	25.0	25.2		ug/L		101	70 - 146	4	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	24.6		ug/L		98	62 - 138	1	20
Chloroform	25.0	24.6		ug/L		99	70 - 130	1	20
Chloromethane	25.0	22.8		ug/L		91	52 - 175	1	20
2-Chlorotoluene	25.0	26.4		ug/L		106	70 - 130	3	20
4-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130	3	20
Chlorodibromomethane	25.0	25.5		ug/L		102	70 - 145	1	20
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	1	20
1,1-Dichloropropene	25.0	27.0		ug/L		108	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	22.8		ug/L		91	70 - 136	4	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119921/6
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	25.9		ug/L		103	70 - 130	1	20
Dibromomethane	25.0	24.9		ug/L		100	70 - 130	1	20
Dichlorodifluoromethane	25.0	18.4		ug/L		74	34 - 132	1	20
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130	1	20
1,2-Dichloroethane	25.0	24.1		ug/L		96	61 - 132	3	20
1,1-Dichloroethene	25.0	25.6		ug/L		102	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	68 - 130	2	20
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 140	2	20
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120	0	20
Hexachlorobutadiene	25.0	22.1		ug/L		89	70 - 130	1	20
2-Hexanone	125	112		ug/L		89	60 - 164	2	20
Isopropylbenzene	25.0	27.0		ug/L		108	70 - 130	0	20
4-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130	1	20
Methylene Chloride	25.0	22.4		ug/L		90	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 130	0	20
Naphthalene	25.0	22.1		ug/L		89	70 - 130	3	20
N-Propylbenzene	25.0	27.2		ug/L		109	70 - 130	3	20
Styrene	25.0	26.3		ug/L		105	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	5	20
Tetrachloroethene	25.0	25.8		ug/L		103	70 - 130	1	20
Toluene	25.0	25.0		ug/L		100	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	22.3		ug/L		89	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		87	70 - 130	1	20
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130	1	20
Trichloroethene	25.0	25.6		ug/L		102	70 - 130	0	20
Trichlorofluoromethane	25.0	24.6		ug/L		98	66 - 132	1	20
1,2,3-Trichloropropane	25.0	25.2		ug/L		101	70 - 130	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		103	70 - 132	3	20
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 130	2	20
Vinyl acetate	25.0	24.4		ug/L		98	43 - 163	1	20
Vinyl chloride	25.0	23.1		ug/L		92	54 - 135	1	20
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 142	1	20
o-Xylene	25.0	26.5		ug/L		106	70 - 130	1	20
2,2-Dichloropropane	25.0	27.0		ug/L		108	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119921/8
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	484		ug/L		97	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

GC/MS VOA

Analysis Batch: 119921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44217-1	SB-35	Total/NA	Water	8260B/CA_LUFT MS	
720-44217-3	SB-33	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119921/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119921/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119921/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119921/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119921/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Client Sample ID: SB-35

Lab Sample ID: 720-44217-1
Matrix: Water

Date Collected: 08/28/12 08:10
Date Received: 08/28/12 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119921	08/29/12 01:10	DH	TAL SF

Client Sample ID: SB-33

Lab Sample ID: 720-44217-3
Matrix: Water

Date Collected: 08/28/12 08:45
Date Received: 08/28/12 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119921	08/29/12 01:39	DH	TAL SF

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Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44217-1	SB-35	Water	08/28/12 08:10	08/28/12 15:50
720-44217-3	SB-33	Water	08/28/12 08:45	08/28/12 15:50

12

13

720.44217

140430

OAK 18023

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevrolet

DATE: 8/28/12 PAGE OF

PROJECT NUMBER: 0D0160070.00002

RESULTS TO: Avery.Patton@amec.com

TURNAROUND TIME: 24 HR RUSH

SAMPLE SHIPMENT METHOD: courier

LABORATORY NAME: Test America

LABORATORY ADDRESS: 1220 Quarry Ln Pleasanton, CA

LABORATORY CONTACT: Arsaneh

LABORATORY PHONE NUMBER: 925-484-1919

CLIENT INFORMATION: AMEC

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO. T10000001616

SAMPLERS (SIGNATURE):

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOC's+TPH$_g$ (8260B)	VOC's (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/28/12	0810	SB-35	X		VOAs	W	N	HCl	Y	N	3	24 HR TAT
8/28/12	0830	TB-1		X	↓	W	N	HCl	Y	N	2	Standard TAT
8/28/12	0845	SB-33	X			W	N	HCl	Y	N	3	24 HR TAT
~~8/28~~												

4.8°

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: Haley Young COMPANY: AMEC	8/28/12	1525	SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1530
SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1530	SIGNATURE: [signature] PRINTED NAME: [illegible] COMPANY: TASF	8/28/12	1530
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44217-1

Login Number: 44217
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44217-2
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/5/2012 4:00:14 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44217-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44217-2

Comments
No additional comments.

Receipt
The samples were received on 8/28/2012 3:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.8° C.

GC/MS VOA
No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-2

Client Sample ID: TB-1 **Lab Sample ID: 720-44217-2**

No Detections

5

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: TB-1
Date Collected: 08/28/12 08:30
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 10:42	1
Acetone	ND		50		ug/L			08/29/12 10:42	1
Benzene	ND		0.50		ug/L			08/29/12 10:42	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 10:42	1
Bromobenzene	ND		1.0		ug/L			08/29/12 10:42	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 10:42	1
Bromoform	ND		1.0		ug/L			08/29/12 10:42	1
Bromomethane	ND		1.0		ug/L			08/29/12 10:42	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 10:42	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 10:42	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 10:42	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 10:42	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 10:42	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 10:42	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 10:42	1
Chloroethane	ND		1.0		ug/L			08/29/12 10:42	1
Chloroform	ND		1.0		ug/L			08/29/12 10:42	1
Chloromethane	ND		1.0		ug/L			08/29/12 10:42	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 10:42	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 10:42	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 10:42	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 10:42	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 10:42	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 10:42	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 10:42	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 10:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 10:42	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 10:42	1
Dibromomethane	ND		0.50		ug/L			08/29/12 10:42	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 10:42	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 10:42	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 10:42	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 10:42	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 10:42	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 10:42	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 10:42	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 10:42	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 10:42	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 10:42	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 10:42	1
2-Hexanone	ND		50		ug/L			08/29/12 10:42	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 10:42	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 10:42	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 10:42	1
Naphthalene	ND		1.0		ug/L			08/29/12 10:42	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 10:42	1
Styrene	ND		0.50		ug/L			08/29/12 10:42	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 10:42	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 10:42	1
Tetrachloroethene	ND		0.50		ug/L			08/29/12 10:42	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB-1
Date Collected: 08/28/12 08:30
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 10:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 10:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 10:42	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 10:42	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 10:42	1
Trichloroethene	ND		0.50		ug/L			08/29/12 10:42	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 10:42	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 10:42	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 10:42	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 10:42	1
Vinyl acetate	ND		10		ug/L			08/29/12 10:42	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 10:42	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 10:42	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/29/12 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*		*08/29/12 10:42*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/29/12 10:42*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119954/4
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 08:17	1
Acetone	ND		50		ug/L			08/29/12 08:17	1
Benzene	ND		0.50		ug/L			08/29/12 08:17	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 08:17	1
Bromobenzene	ND		1.0		ug/L			08/29/12 08:17	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 08:17	1
Bromoform	ND		1.0		ug/L			08/29/12 08:17	1
Bromomethane	ND		1.0		ug/L			08/29/12 08:17	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 08:17	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 08:17	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 08:17	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
Chloroethane	ND		1.0		ug/L			08/29/12 08:17	1
Chloroform	ND		1.0		ug/L			08/29/12 08:17	1
Chloromethane	ND		1.0		ug/L			08/29/12 08:17	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 08:17	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 08:17	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 08:17	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 08:17	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 08:17	1
Dibromomethane	ND		0.50		ug/L			08/29/12 08:17	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 08:17	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 08:17	1
2-Hexanone	ND		50		ug/L			08/29/12 08:17	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 08:17	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 08:17	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 08:17	1
Naphthalene	ND		1.0		ug/L			08/29/12 08:17	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
Styrene	ND		0.50		ug/L			08/29/12 08:17	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 08:17	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119954/4
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 08:17	1
Tetrachloroethene	ND		0.50		ug/L			08/29/12 08:17	1
Toluene	ND		0.50		ug/L			08/29/12 08:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 08:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 08:17	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
Trichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 08:17	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 08:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
Vinyl acetate	ND		10		ug/L			08/29/12 08:17	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 08:17	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 08:17	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/29/12 08:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*		*08/29/12 08:17*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/29/12 08:17*	*1*

Lab Sample ID: LCS 720-119954/5
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.4		ug/L		98	62 - 130
Acetone	125	85.1		ug/L		68	26 - 180
Benzene	25.0	24.7		ug/L		99	79 - 130
Dichlorobromomethane	25.0	25.1		ug/L		101	70 - 130
Bromobenzene	25.0	24.9		ug/L		99	70 - 130
Chlorobromomethane	25.0	24.3		ug/L		97	70 - 130
Bromoform	25.0	25.5		ug/L		102	68 - 136
Bromomethane	25.0	24.0		ug/L		96	43 - 151
2-Butanone (MEK)	125	117		ug/L		94	54 - 130
n-Butylbenzene	25.0	26.6		ug/L		106	70 - 142
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 134
tert-Butylbenzene	25.0	26.6		ug/L		107	70 - 135
Carbon disulfide	25.0	27.6		ug/L		110	58 - 130
Carbon tetrachloride	25.0	25.4		ug/L		101	70 - 146
Chlorobenzene	25.0	25.6		ug/L		102	70 - 130
Chloroethane	25.0	25.1		ug/L		100	62 - 138
Chloroform	25.0	24.1		ug/L		97	70 - 130
Chloromethane	25.0	23.8		ug/L		95	52 - 175
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130
4-Chlorotoluene	25.0	25.5		ug/L		102	70 - 130
Chlorodibromomethane	25.0	25.2		ug/L		101	70 - 145

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119954/5
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	27.0		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	70 - 136
Ethylene Dibromide	25.0	25.2		ug/L		101	70 - 130
Dibromomethane	25.0	24.4		ug/L		97	70 - 130
Dichlorodifluoromethane	25.0	20.5		ug/L		82	34 - 132
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	24.1		ug/L		96	61 - 132
1,1-Dichloroethene	25.0	24.7		ug/L		99	64 - 128
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	68 - 130
1,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	70 - 130
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	70 - 140
Ethylbenzene	25.0	25.4		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	22.6		ug/L		90	70 - 130
2-Hexanone	125	115		ug/L		92	60 - 164
Isopropylbenzene	25.0	27.5		ug/L		110	70 - 130
4-Isopropyltoluene	25.0	25.9		ug/L		103	70 - 130
Methylene Chloride	25.0	21.2		ug/L		85	70 - 147
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	58 - 130
Naphthalene	25.0	22.3		ug/L		89	70 - 130
N-Propylbenzene	25.0	27.2		ug/L		109	70 - 130
Styrene	25.0	26.1		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	25.0	24.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		103	70 - 130
Tetrachloroethene	25.0	25.9		ug/L		104	70 - 130
Toluene	25.0	25.4		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	70 - 130
Trichloroethene	25.0	25.9		ug/L		104	70 - 130
Trichlorofluoromethane	25.0	24.2		ug/L		97	66 - 132
1,2,3-Trichloropropane	25.0	25.3		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.2		ug/L		97	42 - 162
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	26.0		ug/L		104	70 - 130
Vinyl acetate	25.0	24.0		ug/L		96	43 - 163
Vinyl chloride	25.0	23.9		ug/L		96	54 - 135
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 142
o-Xylene	25.0	26.5		ug/L		106	70 - 130
2,2-Dichloropropane	25.0	27.1		ug/L		109	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119954/5
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCS 720-119954/7
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-119954/6
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.9		ug/L		100	62 - 130	2	20
Acetone	125	88.6		ug/L		71	26 - 180	4	30
Benzene	25.0	24.9		ug/L		100	79 - 130	1	20
Dichlorobromomethane	25.0	25.2		ug/L		101	70 - 130	0	20
Bromobenzene	25.0	25.5		ug/L		102	70 - 130	3	20
Chlorobromomethane	25.0	24.5		ug/L		98	70 - 130	1	20
Bromoform	25.0	25.4		ug/L		102	68 - 136	0	20
Bromomethane	25.0	24.3		ug/L		97	43 - 151	1	20
2-Butanone (MEK)	125	119		ug/L		95	54 - 130	1	20
n-Butylbenzene	25.0	26.4		ug/L		105	70 - 142	1	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 134	2	20
tert-Butylbenzene	25.0	27.1		ug/L		108	70 - 135	2	20
Carbon disulfide	25.0	27.5		ug/L		110	58 - 130	0	20
Carbon tetrachloride	25.0	25.2		ug/L		101	70 - 146	1	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	25.2		ug/L		101	62 - 138	1	20
Chloroform	25.0	24.3		ug/L		97	70 - 130	1	20
Chloromethane	25.0	24.7		ug/L		99	52 - 175	4	20
2-Chlorotoluene	25.0	27.1		ug/L		108	70 - 130	3	20
4-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130	3	20
Chlorodibromomethane	25.0	25.2		ug/L		101	70 - 145	0	20
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130	1	20
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130	0	20
1,3-Dichloropropane	25.0	25.4		ug/L		102	70 - 130	1	20
1,1-Dichloropropene	25.0	26.9		ug/L		108	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	70 - 136	1	20
Ethylene Dibromide	25.0	25.8		ug/L		103	70 - 130	2	20
Dibromomethane	25.0	24.9		ug/L		99	70 - 130	2	20
Dichlorodifluoromethane	25.0	20.6		ug/L		82	34 - 132	0	20
1,1-Dichloroethane	25.0	25.3		ug/L		101	70 - 130	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119954/6
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	25.0	24.5		ug/L		98	61 - 132	2	20
1,1-Dichloroethene	25.0	24.7		ug/L		99	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	68 - 130	1	20
1,2-Dichloropropane	25.0	25.4		ug/L		101	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 140	0	20
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120	1	20
Hexachlorobutadiene	25.0	21.9		ug/L		88	70 - 130	3	20
2-Hexanone	125	116		ug/L		93	60 - 164	1	20
Isopropylbenzene	25.0	26.6		ug/L		106	70 - 130	3	20
4-Isopropyltoluene	25.0	25.6		ug/L		103	70 - 130	1	20
Methylene Chloride	25.0	21.6		ug/L		87	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	58 - 130	1	20
Naphthalene	25.0	22.0		ug/L		88	70 - 130	1	20
N-Propylbenzene	25.0	28.0		ug/L		112	70 - 130	3	20
Styrene	25.0	26.1		ug/L		104	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	26.8		ug/L		107	70 - 130	5	20
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130	2	20
Toluene	25.0	25.3		ug/L		101	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	21.5		ug/L		86	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	21.4		ug/L		86	70 - 130	3	20
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	70 - 130	0	20
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	70 - 130	2	20
Trichloroethene	25.0	25.6		ug/L		102	70 - 130	1	20
Trichlorofluoromethane	25.0	24.0		ug/L		96	66 - 132	1	20
1,2,3-Trichloropropane	25.0	26.8		ug/L		107	70 - 130	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	26.3		ug/L		105	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	26.9		ug/L		108	70 - 130	3	20
Vinyl acetate	25.0	24.9		ug/L		100	43 - 163	4	20
Vinyl chloride	25.0	24.3		ug/L		97	54 - 135	2	20
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 142	2	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	2	20
2,2-Dichloropropane	25.0	27.3		ug/L		109	70 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 720-119954/8
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119954/8
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

GC/MS VOA

Analysis Batch: 119954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44217-2	TB-1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119954/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119954/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119954/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119954/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119954/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Client Sample ID: TB-1
Date Collected: 08/28/12 08:30
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44217-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119954	08/29/12 10:42	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-2

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-2

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44217-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44217-2	TB-1	Water	08/28/12 08:30	08/28/12 15:50

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720.44217 140430 OAK 18023

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevrolet			DATE: 8/28/12 PAGE OF
PROJECT NUMBER: 0D1016070.00002	LABORATORY NAME: Test America	CLIENT INFORMATION: AMEC	REPORTING REQUIREMENTS:
RESULTS TO: Avery.Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln		
TURNAROUND TIME: 24 HR RUSH	Pleasanton, CA		
SAMPLE SHIPMENT METHOD: courier	LABORATORY CONTACT: A Fanden		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 925-484-1919		SITE SPECIFIC GLOBAL ID NO. T10000001616 16

SAMPLERS (SIGNATURE): Haley Young

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOC's+TPH (8260B)	VOC's (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/28/12	0810	SB-35	X		VOAs	W	N	HCl	Y	N	3	24 HR TAT
8/28/12	0830	TB-1		X	↓	W	N	HCl	Y	N	2	Standard TAT
8/28/12	0845	SB-33	X			W	N	HCl	Y	N	3	24 HR TAT

4.8°

8/28

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: Haley Young PRINTED NAME: Haley Young COMPANY: AMEC	8/28/12	1525	SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1530
SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1550	SIGNATURE: [signature] PRINTED NAME: [illegible] COMPANY: [illegible]	8/28/12	1550
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

9/5/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44217-2

Login Number: 44217
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44228-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/30/2012 2:33:47 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44228-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44228-1

Revised Report on 9/13/12.

Comments
No additional comments.

Receipt
The samples were received on 8/28/2012 3:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

Except:

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC):SB-39 @ 12:20. One of nine vials label list SB-38 39 (time12:20). The COC lists SB-39 @ 12:20.

GC/MS VOA
Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 44228-2 and 3 is due to the presence of discrete peak PCE.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #119919 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 720-44228-1 is due to the presence of discrete peak PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

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Client Sample ID: SB-39 — Lab Sample ID: 720-44228-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	120		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	2.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	110	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-390 — Lab Sample ID: 720-44228-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	140		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	1.8		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	150	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-38 — Lab Sample ID: 720-44228-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	100		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	2.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	110	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-39
Date Collected: 08/28/12 12:20
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 00:59	1
Acetone	ND		50 UJ		ug/L			08/29/12 00:59	1
Benzene	ND		0.50		ug/L			08/29/12 00:59	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 00:59	1
Bromobenzene	ND		1.0		ug/L			08/29/12 00:59	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 00:59	1
Bromoform	ND		1.0		ug/L			08/29/12 00:59	1
Bromomethane	ND		1.0		ug/L			08/29/12 00:59	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 00:59	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 00:59	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 00:59	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 00:59	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 00:59	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 00:59	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 00:59	1
Chloroethane	ND		1.0		ug/L			08/29/12 00:59	1
Chloroform	ND		1.0		ug/L			08/29/12 00:59	1
Chloromethane	ND		1.0		ug/L			08/29/12 00:59	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 00:59	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 00:59	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 00:59	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 00:59	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 00:59	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 00:59	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 00:59	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 00:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 00:59	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 00:59	1
Dibromomethane	ND		0.50		ug/L			08/29/12 00:59	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 00:59	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 00:59	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 00:59	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 00:59	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 00:59	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 00:59	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 00:59	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 00:59	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 00:59	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 00:59	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 00:59	1
2-Hexanone	ND		50		ug/L			08/29/12 00:59	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 00:59	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 00:59	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 00:59	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 00:59	1
Naphthalene	ND		1.0		ug/L			08/29/12 00:59	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 00:59	1
Styrene	ND		0.50		ug/L			08/29/12 00:59	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 00:59	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 00:59	1
Tetrachloroethene	**120**		0.50		ug/L			08/29/12 00:59	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-39
Date Collected: 08/28/12 12:20
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 00:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 00:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 00:59	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 00:59	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 00:59	1
Trichloroethene	**2.0**		0.50		ug/L			08/29/12 00:59	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 00:59	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 00:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 00:59	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 00:59	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 00:59	1
Vinyl acetate	ND		10		ug/L			08/29/12 00:59	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 00:59	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 00:59	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 00:59	1
Gasoline Range Organics (GRO) -C5-C12	**110**	R	50		ug/L			08/29/12 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*08/29/12 00:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*		*08/29/12 00:59*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/29/12 00:59*	*1*

Client Sample ID: SB-390
Date Collected: 08/28/12 12:40
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 04:30	1
Acetone	ND		50	UJ	ug/L			08/29/12 04:30	1
Benzene	ND		0.50		ug/L			08/29/12 11:11	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 04:30	1
Bromobenzene	ND		1.0		ug/L			08/29/12 04:30	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 04:30	1
Bromoform	ND		1.0		ug/L			08/29/12 04:30	1
Bromomethane	ND		1.0		ug/L			08/29/12 04:30	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 04:30	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 04:30	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 04:30	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 04:30	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 04:30	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 04:30	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 04:30	1
Chloroethane	ND		1.0		ug/L			08/29/12 04:30	1
Chloroform	ND		1.0		ug/L			08/29/12 04:30	1
Chloromethane	ND		1.0		ug/L			08/29/12 04:30	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 04:30	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 04:30	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 04:30	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:30	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:30	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:30	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 04:30	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-390
Date Collected: 08/28/12 12:40
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 04:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 04:30	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 04:30	1
Dibromomethane	ND		0.50		ug/L			08/29/12 04:30	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 04:30	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 04:30	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 04:30	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 04:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 04:30	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 04:30	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 04:30	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 04:30	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 04:30	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 04:30	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 04:30	1
2-Hexanone	ND		50		ug/L			08/29/12 04:30	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 04:30	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 04:30	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 04:30	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 04:30	1
Naphthalene	ND		1.0		ug/L			08/29/12 04:30	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 04:30	1
Styrene	ND		0.50		ug/L			08/29/12 04:30	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 04:30	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 04:30	1
Tetrachloroethene	**140**		0.50		ug/L			08/29/12 04:30	1
Toluene	ND		0.50		ug/L			08/29/12 04:30	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 04:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 04:30	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 04:30	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 04:30	1
Trichloroethene	**1.8**		0.50		ug/L			08/29/12 04:30	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 04:30	1
1,2,3-Trichloropropane	ND		0:50		ug/L			08/29/12 04:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 04:30	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 04:30	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 04:30	1
Vinyl acetate	ND		10		ug/L			08/29/12 04:30	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 04:30	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 04:30	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 04:30	1
Gasoline Range Organics (GRO) -C5-C12	**150**	R	50		ug/L			08/29/12 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*08/29/12 04:30*	*1*
4-Bromofluorobenzene	*96*		*67 - 130*		*08/29/12 11:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*08/29/12 04:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*		*08/29/12 11:11*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/29/12 04:30*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/29/12 11:11*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-38
Date Collected: 08/28/12 14:20
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 04:59	1
Acetone	ND		50	UJ	ug/L			08/29/12 04:59	1
Benzene	ND		0.50		ug/L			08/29/12 04:59	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 04:59	1
Bromobenzene	ND		1.0		ug/L			08/29/12 04:59	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 04:59	1
Bromoform	ND		1.0		ug/L			08/29/12 04:59	1
Bromomethane	ND		1.0		ug/L			08/29/12 04:59	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 04:59	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 04:59	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 04:59	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 04:59	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 04:59	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 04:59	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 04:59	1
Chloroethane	ND		1.0		ug/L			08/29/12 04:59	1
Chloroform	ND		1.0		ug/L			08/29/12 04:59	1
Chloromethane	ND		1.0		ug/L			08/29/12 04:59	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 04:59	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 04:59	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 04:59	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:59	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:59	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 04:59	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 04:59	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 04:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 04:59	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 04:59	1
Dibromomethane	ND		0.50		ug/L			08/29/12 04:59	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 04:59	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 04:59	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 04:59	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 04:59	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 04:59	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 04:59	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 04:59	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 04:59	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 04:59	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 04:59	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 04:59	1
2-Hexanone	ND		50		ug/L			08/29/12 04:59	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 04:59	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 04:59	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 04:59	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 04:59	1
Naphthalene	ND		1.0		ug/L			08/29/12 04:59	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 04:59	1
Styrene	ND		0.50		ug/L			08/29/12 04:59	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 04:59	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 04:59	1
Tetrachloroethene	**100**		0.50		ug/L			08/29/12 04:59	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-38
Date Collected: 08/28/12 14:20
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44228-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 04:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 04:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 04:59	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 04:59	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 04:59	1
Trichloroethene	**2.0**		0.50		ug/L			08/29/12 04:59	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 04:59	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 04:59	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 04:59	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 04:59	1
Vinyl acetate	ND		10		ug/L			08/29/12 04:59	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 04:59	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 04:59	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 04:59	1
Gasoline Range Organics (GRO) -C5-C12	**110**	R	50		ug/L			08/29/12 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*08/29/12 04:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*08/29/12 04:59*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/29/12 04:59*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119919/4
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/28/12 20:29	1
Acetone	ND		50		ug/L			08/28/12 20:29	1
Benzene	ND		0.50		ug/L			08/28/12 20:29	1
Dichlorobromomethane	ND		0.50		ug/L			08/28/12 20:29	1
Bromobenzene	ND		1.0		ug/L			08/28/12 20:29	1
Chlorobromomethane	ND		1.0		ug/L			08/28/12 20:29	1
Bromoform	ND		1.0		ug/L			08/28/12 20:29	1
Bromomethane	ND		1.0		ug/L			08/28/12 20:29	1
2-Butanone (MEK)	ND		50		ug/L			08/28/12 20:29	1
n-Butylbenzene	ND		1.0		ug/L			08/28/12 20:29	1
sec-Butylbenzene	ND		1.0		ug/L			08/28/12 20:29	1
tert-Butylbenzene	ND		1.0		ug/L			08/28/12 20:29	1
Carbon disulfide	ND		5.0		ug/L			08/28/12 20:29	1
Carbon tetrachloride	ND		0.50		ug/L			08/28/12 20:29	1
Chlorobenzene	ND		0.50		ug/L			08/28/12 20:29	1
Chloroethane	ND		1.0		ug/L			08/28/12 20:29	1
Chloroform	ND		1.0		ug/L			08/28/12 20:29	1
Chloromethane	ND		1.0		ug/L			08/28/12 20:29	1
2-Chlorotoluene	ND		0.50		ug/L			08/28/12 20:29	1
4-Chlorotoluene	ND		0.50		ug/L			08/28/12 20:29	1
Chlorodibromomethane	ND		0.50		ug/L			08/28/12 20:29	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/28/12 20:29	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/28/12 20:29	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/28/12 20:29	1
1,3-Dichloropropane	ND		1.0		ug/L			08/28/12 20:29	1
1,1-Dichloropropene	ND		0.50		ug/L			08/28/12 20:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/28/12 20:29	1
Ethylene Dibromide	ND		0.50		ug/L			08/28/12 20:29	1
Dibromomethane	ND		0.50		ug/L			08/28/12 20:29	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/28/12 20:29	1
1,1-Dichloroethane	ND		0.50		ug/L			08/28/12 20:29	1
1,2-Dichloroethane	ND		0.50		ug/L			08/28/12 20:29	1
1,1-Dichloroethene	ND		0.50		ug/L			08/28/12 20:29	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 20:29	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 20:29	1
1,2-Dichloropropane	ND		0.50		ug/L			08/28/12 20:29	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 20:29	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 20:29	1
Ethylbenzene	ND		0.50		ug/L			08/28/12 20:29	1
Hexachlorobutadiene	ND		1.0		ug/L			08/28/12 20:29	1
2-Hexanone	ND		50		ug/L			08/28/12 20:29	1
Isopropylbenzene	ND		0.50		ug/L			08/28/12 20:29	1
4-Isopropyltoluene	ND		1.0		ug/L			08/28/12 20:29	1
Methylene Chloride	ND		5.0		ug/L			08/28/12 20:29	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/28/12 20:29	1
Naphthalene	ND		1.0		ug/L			08/28/12 20:29	1
N-Propylbenzene	ND		1.0		ug/L			08/28/12 20:29	1
Styrene	ND		0.50		ug/L			08/28/12 20:29	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 20:29	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119919/4
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 20:29	1
Tetrachloroethene	ND		0.50		ug/L			08/28/12 20:29	1
Toluene	ND		0.50		ug/L			08/28/12 20:29	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/28/12 20:29	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/28/12 20:29	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/28/12 20:29	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/28/12 20:29	1
Trichloroethene	ND		0.50		ug/L			08/28/12 20:29	1
Trichlorofluoromethane	ND		1.0		ug/L			08/28/12 20:29	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/28/12 20:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/28/12 20:29	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/28/12 20:29	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/28/12 20:29	1
Vinyl acetate	ND		10		ug/L			08/28/12 20:29	1
Vinyl chloride	ND		0.50		ug/L			08/28/12 20:29	1
Xylenes, Total	ND		1.0		ug/L			08/28/12 20:29	1
2,2-Dichloropropane	ND		0.50		ug/L			08/28/12 20:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/28/12 20:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/28/12 20:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*08/28/12 20:29*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/28/12 20:29*	*1*

Lab Sample ID: LCS 720-119919/5
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.2		ug/L		101	62 - 130
Acetone	125	82.8		ug/L		66	26 - 180
Benzene	25.0	24.7		ug/L		99	79 - 130
Dichlorobromomethane	25.0	27.7		ug/L		111	70 - 130
Bromobenzene	25.0	24.5		ug/L		98	70 - 130
Chlorobromomethane	25.0	25.2		ug/L		101	70 - 130
Bromoform	25.0	26.1		ug/L		104	68 - 136
Bromomethane	25.0	25.8		ug/L		103	43 - 151
2-Butanone (MEK)	125	104		ug/L		83	54 - 130
n-Butylbenzene	25.0	26.0		ug/L		104	70 - 142
sec-Butylbenzene	25.0	25.2		ug/L		101	70 - 134
tert-Butylbenzene	25.0	26.5		ug/L		106	70 - 135
Carbon disulfide	25.0	27.6		ug/L		111	58 - 130
Carbon tetrachloride	25.0	29.4		ug/L		118	70 - 146
Chlorobenzene	25.0	24.4		ug/L		98	70 - 130
Chloroethane	25.0	24.8		ug/L		99	62 - 138
Chloroform	25.0	25.6		ug/L		103	70 - 130
Chloromethane	25.0	21.8		ug/L		87	52 - 175
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130
4-Chlorotoluene	25.0	25.6		ug/L		102	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119919/5
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	28.2		ug/L		113	70 - 145
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130
1,3-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	26.8		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.0		ug/L		92	70 - 136
Ethylene Dibromide	25.0	25.6		ug/L		102	70 - 130
Dibromomethane	25.0	25.3		ug/L		101	70 - 130
Dichlorodifluoromethane	25.0	18.4		ug/L		74	34 - 132
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130
1,2-Dichloroethane	25.0	26.3		ug/L		105	61 - 132
1,1-Dichloroethene	25.0	25.9		ug/L		104	64 - 128
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130
trans-1,2-Dichloroethene	25.0	25.6		ug/L		103	68 - 130
1,2-Dichloropropane	25.0	24.5		ug/L		98	70 - 130
cis-1,3-Dichloropropene	25.0	28.3		ug/L		113	70 - 130
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	70 - 140
Ethylbenzene	25.0	24.3		ug/L		97	80 - 120
Hexachlorobutadiene	25.0	24.3		ug/L		97	70 - 130
2-Hexanone	125	113		ug/L		90	60 - 164
Isopropylbenzene	25.0	26.4		ug/L		106	70 - 130
4-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130
Methylene Chloride	25.0	23.1		ug/L		92	70 - 147
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		99	58 - 130
Naphthalene	25.0	22.4		ug/L		90	70 - 130
N-Propylbenzene	25.0	26.8		ug/L		107	70 - 130
Styrene	25.0	26.1		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	25.0	26.8		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.0		ug/L		104	70 - 130
Toluene	25.0	23.9		ug/L		96	78 - 120
1,2,3-Trichlorobenzene	25.0	22.7		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		94	70 - 130
1,1,1-Trichloroethane	25.0	28.4		ug/L		114	70 - 130
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130
Trichloroethene	25.0	26.0		ug/L		104	70 - 130
Trichlorofluoromethane	25.0	25.5		ug/L		102	66 - 132
1,2,3-Trichloropropane	25.0	24.8		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130
Vinyl acetate	25.0	24.2		ug/L		97	43 - 163
Vinyl chloride	25.0	22.6		ug/L		91	54 - 135
m-Xylene & p-Xylene	50.0	50.5		ug/L		101	70 - 142
o-Xylene	25.0	25.6		ug/L		103	70 - 130
2,2-Dichloropropane	25.0	30.5		ug/L		122	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119919/5
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-119919/7
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	527		ug/L		105	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-119919/6
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	26.7		ug/L		107	62 - 130	6	20
Acetone	125	92.6		ug/L		74	26 - 180	11	30
Benzene	25.0	24.9		ug/L		100	79 - 130	1	20
Dichlorobromomethane	25.0	28.2		ug/L		113	70 - 130	2	20
Bromobenzene	25.0	24.7		ug/L		99	70 - 130	1	20
Chlorobromomethane	25.0	26.0		ug/L		104	70 - 130	3	20
Bromoform	25.0	27.3		ug/L		109	68 - 136	5	20
Bromomethane	25.0	26.3		ug/L		105	43 - 151	2	20
2-Butanone (MEK)	125	123		ug/L		98	54 - 130	17	20
n-Butylbenzene	25.0	26.0		ug/L		104	70 - 142	0	20
sec-Butylbenzene	25.0	25.3		ug/L		101	70 - 134	0	20
tert-Butylbenzene	25.0	26.4		ug/L		106	70 - 135	0	20
Carbon disulfide	25.0	27.9		ug/L		112	58 - 130	1	20
Carbon tetrachloride	25.0	29.0		ug/L		116	70 - 146	1	20
Chlorobenzene	25.0	24.6		ug/L		98	70 - 130	1	20
Chloroethane	25.0	25.5		ug/L		102	62 - 138	3	20
Chloroform	25.0	25.7		ug/L		103	70 - 130	0	20
Chloromethane	25.0	22.3		ug/L		89	52 - 175	2	20
2-Chlorotoluene	25.0	26.1		ug/L		105	70 - 130	1	20
4-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130	0	20
Chlorodibromomethane	25.0	29.5		ug/L		118	70 - 145	4	20
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	26.1		ug/L		104	70 - 130	4	20
1,1-Dichloropropene	25.0	26.7		ug/L		107	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	25.4		ug/L		102	70 - 136	10	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119919/6
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	27.1		ug/L		108	70 - 130	6	20
Dibromomethane	25.0	26.2		ug/L		105	70 - 130	3	20
Dichlorodifluoromethane	25.0	18.9		ug/L		75	34 - 132	2	20
1,1-Dichloroethane	25.0	25.8		ug/L		103	70 - 130	0	20
1,2-Dichloroethane	25.0	26.8		ug/L		107	61 - 132	2	20
1,1-Dichloroethene	25.0	26.2		ug/L		105	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.9		ug/L		103	68 - 130	1	20
1,2-Dichloropropane	25.0	25.0		ug/L		100	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	29.0		ug/L		116	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	28.6		ug/L		114	70 - 140	4	20
Ethylbenzene	25.0	24.3		ug/L		97	80 - 120	0	20
Hexachlorobutadiene	25.0	24.7		ug/L		99	70 - 130	1	20
2-Hexanone	125	127		ug/L		101	60 - 164	12	20
Isopropylbenzene	25.0	26.2		ug/L		105	70 - 130	1	20
4-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130	0	20
Methylene Chloride	25.0	23.5		ug/L		94	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	58 - 130	11	20
Naphthalene	25.0	24.2		ug/L		97	70 - 130	8	20
N-Propylbenzene	25.0	26.5		ug/L		106	70 - 130	1	20
Styrene	25.0	26.3		ug/L		105	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	27.1		ug/L		108	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		104	70 - 130	6	20
Tetrachloroethene	25.0	25.9		ug/L		104	70 - 130	0	20
Toluene	25.0	23.9		ug/L		96	78 - 120	0	20
1,2,3-Trichlorobenzene	25.0	23.2		ug/L		93	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		95	70 - 130	2	20
1,1,1-Trichloroethane	25.0	28.2		ug/L		113	70 - 130	1	20
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	70 - 130	4	20
Trichloroethene	25.0	25.9		ug/L		104	70 - 130	0	20
Trichlorofluoromethane	25.0	25.9		ug/L		104	66 - 132	2	20
1,2,3-Trichloropropane	25.0	26.0		ug/L		104	70 - 130	5	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	25.9		ug/L		104	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 132	0	20
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130	0	20
Vinyl acetate	25.0	25.6		ug/L		102	43 - 163	5	20
Vinyl chloride	25.0	22.8		ug/L		91	54 - 135	1	20
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	70 - 142	1	20
o-Xylene	25.0	25.7		ug/L		103	70 - 130	0	20
2,2-Dichloropropane	25.0	30.0		ug/L		120	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119919/8
Matrix: Water
Analysis Batch: 119919

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	526		ug/L		105	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 720-44228-1 MS
Matrix: Water
Analysis Batch: 119919

Client Sample ID: SB-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		25.0	26.3		ug/L		105	60 - 138
Acetone	ND		125	74.3	F	ug/L		59	60 - 140
Benzene	ND		25.0	24.7		ug/L		99	60 - 140
Dichlorobromomethane	ND		25.0	27.0		ug/L		108	60 - 140
Bromobenzene	ND		25.0	24.5		ug/L		98	60 - 140
Chlorobromomethane	ND		25.0	25.4		ug/L		102	60 - 140
Bromoform	ND		25.0	26.5		ug/L		106	56 - 140
Bromomethane	ND		25.0	24.3		ug/L		97	23 - 140
2-Butanone (MEK)	ND		125	111		ug/L		89	60 - 140
n-Butylbenzene	ND		25.0	24.3		ug/L		96	60 - 140
sec-Butylbenzene	ND		25.0	24.2		ug/L		97	60 - 140
tert-Butylbenzene	ND		25.0	25.4		ug/L		101	60 - 140
Carbon disulfide	ND		25.0	28.0		ug/L		112	38 - 140
Carbon tetrachloride	ND		25.0	26.2		ug/L		105	60 - 140
Chlorobenzene	ND		25.0	24.3		ug/L		97	60 - 140
Chloroethane	ND		25.0	25.2		ug/L		101	51 - 140
Chloroform	ND		25.0	24.7		ug/L		99	60 - 140
Chloromethane	ND		25.0	19.5		ug/L		78	52 - 140
2-Chlorotoluene	ND		25.0	25.3		ug/L		101	60 - 140
4-Chlorotoluene	ND		25.0	24.7		ug/L		99	60 - 140
Chlorodibromomethane	ND		25.0	28.3		ug/L		113	60 - 140
1,2-Dichlorobenzene	ND		25.0	24.3		ug/L		97	60 - 140
1,3-Dichlorobenzene	ND		25.0	25.0		ug/L		100	60 - 140
1,4-Dichlorobenzene	ND		25.0	24.9		ug/L		100	60 - 140
1,3-Dichloropropane	ND		25.0	25.3		ug/L		101	60 - 140
1,1-Dichloropropene	ND		25.0	25.5		ug/L		102	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	24.1		ug/L		96	60 - 140
Ethylene Dibromide	ND		25.0	26.2		ug/L		105	60 - 140
Dibromomethane	ND		25.0	25.5		ug/L		102	60 - 140
Dichlorodifluoromethane	ND		25.0	16.7		ug/L		67	38 - 140
1,1-Dichloroethane	ND		25.0	25.0		ug/L		100	60 - 140
1,2-Dichloroethane	ND		25.0	24.9		ug/L		99	60 - 140
1,1-Dichloroethene	ND		25.0	25.3		ug/L		101	60 - 140
cis-1,2-Dichloroethene	ND		25.0	25.7		ug/L		103	60 - 140
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	60 - 140
1,2-Dichloropropane	ND		25.0	25.4		ug/L		101	60 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44228-1 MS
Matrix: Water
Analysis Batch: 119919

Client Sample ID: SB-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	ND		25.0	28.5		ug/L		114	60 - 140
trans-1,3-Dichloropropene	ND		25.0	27.5		ug/L		110	60 - 140
Ethylbenzene	ND		25.0	23.4		ug/L		94	60 - 140
Hexachlorobutadiene	ND		25.0	22.0		ug/L		88	60 - 140
2-Hexanone	ND		125	113		ug/L		91	60 - 140
Isopropylbenzene	ND		25.0	25.1		ug/L		101	60 - 140
4-Isopropyltoluene	ND		25.0	24.0		ug/L		95	60 - 140
Methylene Chloride	ND		25.0	23.6		ug/L		94	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	58 - 130
Naphthalene	ND		25.0	21.5		ug/L		86	56 - 140
N-Propylbenzene	ND		25.0	25.5		ug/L		102	60 - 140
Styrene	ND		25.0	25.1		ug/L		100	60 - 140
1,1,1,2-Tetrachloroethane	ND		25.0	26.4		ug/L		106	60 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	25.8		ug/L		103	60 - 140
Tetrachloroethene	120		25.0	142	4	ug/L		74	60 - 140
Toluene	ND		25.0	23.7		ug/L		95	60 - 140
1,2,3-Trichlorobenzene	ND		25.0	21.0		ug/L		84	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	22.0		ug/L		88	60 - 140
1,1,1-Trichloroethane	ND		25.0	26.1		ug/L		105	60 - 140
1,1,2-Trichloroethane	ND		25.0	25.8		ug/L		103	60 - 140
Trichloroethene	2.0		25.0	27.2		ug/L		101	60 - 140
Trichlorofluoromethane	ND		25.0	22.7		ug/L		91	60 - 140
1,2,3-Trichloropropane	ND		25.0	24.7		ug/L		99	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.1		ug/L		100	60 - 140
1,2,4-Trimethylbenzene	ND		25.0	24.4		ug/L		98	60 - 140
1,3,5-Trimethylbenzene	ND		25.0	25.3		ug/L		101	60 - 140
Vinyl acetate	ND		25.0	25.5		ug/L		102	40 - 140
Vinyl chloride	ND		25.0	21.9		ug/L		88	58 - 140
m-Xylene & p-Xylene	ND		50.0	48.1		ug/L		96	60 - 140
o-Xylene	ND		25.0	24.7		ug/L		99	60 - 140
2,2-Dichloropropane	ND		25.0	28.4		ug/L		114	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 720-44228-1 MSD
Matrix: Water
Analysis Batch: 119919

Client Sample ID: SB-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	27.5		ug/L		110	60 - 138	5	20
Acetone	ND		125	74.4	F	ug/L		59	60 - 140	0	20
Benzene	ND		25.0	25.0		ug/L		100	60 - 140	1	20
Dichlorobromomethane	ND		25.0	28.0		ug/L		112	60 - 140	3	20
Bromobenzene	ND		25.0	24.9		ug/L		100	60 - 140	2	20
Chlorobromomethane	ND		25.0	26.1		ug/L		104	60 - 140	3	20
Bromoform	ND		25.0	26.9		ug/L		108	56 - 140	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44228-1 MSD
Matrix: Water
Analysis Batch: 119919

Client Sample ID: SB-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		25.0	23.6		ug/L		95	23 - 140	3	20
2-Butanone (MEK)	ND		125	111		ug/L		89	60 - 140	0	20
n-Butylbenzene	ND		25.0	23.9		ug/L		95	60 - 140	2	20
sec-Butylbenzene	ND		25.0	23.9		ug/L		96	60 - 140	1	20
tert-Butylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
Carbon disulfide	ND		25.0	27.0		ug/L		108	38 - 140	3	20
Carbon tetrachloride	ND		25.0	26.0		ug/L		104	60 - 140	1	20
Chlorobenzene	ND		25.0	24.4		ug/L		98	60 - 140	0	20
Chloroethane	ND		25.0	24.3		ug/L		97	51 - 140	4	20
Chloroform	ND		25.0	25.1		ug/L		100	60 - 140	1	20
Chloromethane	ND		25.0	19.6		ug/L		79	52 - 140	0	20
2-Chlorotoluene	ND		25.0	25.3		ug/L		101	60 - 140	0	20
4-Chlorotoluene	ND		25.0	24.7		ug/L		99	60 - 140	0	20
Chlorodibromomethane	ND		25.0	29.6		ug/L		119	60 - 140	5	20
1,2-Dichlorobenzene	ND		25.0	25.1		ug/L		100	60 - 140	3	20
1,3-Dichlorobenzene	ND		25.0	25.3		ug/L		101	60 - 140	1	20
1,4-Dichlorobenzene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
1,3-Dichloropropane	ND		25.0	26.3		ug/L		105	60 - 140	4	20
1,1-Dichloropropene	ND		25.0	25.1		ug/L		101	60 - 140	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	24.0		ug/L		96	60 - 140	0	20
Ethylene Dibromide	ND		25.0	27.1		ug/L		108	60 - 140	3	20
Dibromomethane	ND		25.0	26.1		ug/L		104	60 - 140	2	20
Dichlorodifluoromethane	ND		25.0	16.0		ug/L		64	38 - 140	5	20
1,1-Dichloroethane	ND		25.0	25.5		ug/L		102	60 - 140	2	20
1,2-Dichloroethane	ND		25.0	25.8		ug/L		103	60 - 140	4	20
1,1-Dichloroethene	ND		25.0	24.9		ug/L		100	60 - 140	2	20
cis-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	60 - 140	2	20
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	60 - 140	0	20
1,2-Dichloropropane	ND		25.0	26.0		ug/L		104	60 - 140	3	20
cis-1,3-Dichloropropene	ND		25.0	29.5		ug/L		118	60 - 140	4	20
trans-1,3-Dichloropropene	ND		25.0	28.6		ug/L		114	60 - 140	4	20
Ethylbenzene	ND		25.0	23.2		ug/L		93	60 - 140	1	20
Hexachlorobutadiene	ND		25.0	22.0		ug/L		88	60 - 140	0	20
2-Hexanone	ND		125	118		ug/L		94	60 - 140	4	20
Isopropylbenzene	ND		25.0	24.8		ug/L		99	60 - 140	1	20
4-Isopropyltoluene	ND		25.0	23.5		ug/L		94	60 - 140	2	20
Methylene Chloride	ND		25.0	24.1		ug/L		97	40 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	58 - 130	3	20
Naphthalene	ND		25.0	22.2		ug/L		89	56 - 140	3	20
N-Propylbenzene	ND		25.0	25.2		ug/L		101	60 - 140	1	20
Styrene	ND		25.0	26.0		ug/L		104	60 - 140	4	20
1,1,1,2-Tetrachloroethane	ND		25.0	26.9		ug/L		107	60 - 140	2	20
1,1,2,2-Tetrachloroethane	ND		25.0	26.2		ug/L		105	60 - 140	2	20
Tetrachloroethene	120		25.0	143	4	ug/L		77	60 - 140	1	20
Toluene	ND		25.0	23.5		ug/L		94	60 - 140	1	20
1,2,3-Trichlorobenzene	ND		25.0	21.8		ug/L		87	60 - 140	4	20
1,2,4-Trichlorobenzene	ND		25.0	22.5		ug/L		90	60 - 140	2	20
1,1,1-Trichloroethane	ND		25.0	26.0		ug/L		104	60 - 140	1	20
1,1,2-Trichloroethane	ND		25.0	26.9		ug/L		107	60 - 140	4	20
Trichloroethene	2.0		25.0	26.9		ug/L		100	60 - 140	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44228-1 MSD
Matrix: Water
Analysis Batch: 119919

Client Sample ID: SB-39
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		25.0	22.3		ug/L		89	60 - 140	2	20
1,2,3-Trichloropropane	ND		25.0	25.0		ug/L		100	60 - 140	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.1		ug/L		97	60 - 140	4	20
1,2,4-Trimethylbenzene	ND		25.0	24.6		ug/L		98	60 - 140	1	20
1,3,5-Trimethylbenzene	ND		25.0	25.1		ug/L		100	60 - 140	1	20
Vinyl acetate	ND		25.0	25.9		ug/L		104	40 - 140	2	20
Vinyl chloride	ND		25.0	20.8		ug/L		83	58 - 140	5	20
m-Xylene & p-Xylene	ND		50.0	47.7		ug/L		95	60 - 140	1	20
o-Xylene	ND		25.0	24.8		ug/L		99	60 - 140	1	20
2,2-Dichloropropane	ND		25.0	27.7		ug/L		111	60 - 140	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 720-119921/4
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/28/12 18:56	1
Acetone	ND		50		ug/L			08/28/12 18:56	1
Benzene	ND		0.50		ug/L			08/28/12 18:56	1
Dichlorobromomethane	ND		0.50		ug/L			08/28/12 18:56	1
Bromobenzene	ND		1.0		ug/L			08/28/12 18:56	1
Chlorobromomethane	ND		1.0		ug/L			08/28/12 18:56	1
Bromoform	ND		1.0		ug/L			08/28/12 18:56	1
Bromomethane	ND		1.0		ug/L			08/28/12 18:56	1
2-Butanone (MEK)	ND		50		ug/L			08/28/12 18:56	1
n-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
sec-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
tert-Butylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
Carbon disulfide	ND		5.0		ug/L			08/28/12 18:56	1
Carbon tetrachloride	ND		0.50		ug/L			08/28/12 18:56	1
Chlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
Chloroethane	ND		1.0		ug/L			08/28/12 18:56	1
Chloroform	ND		1.0		ug/L			08/28/12 18:56	1
Chloromethane	ND		1.0		ug/L			08/28/12 18:56	1
2-Chlorotoluene	ND		0.50		ug/L			08/28/12 18:56	1
4-Chlorotoluene	ND		0.50		ug/L			08/28/12 18:56	1
Chlorodibromomethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3-Dichloropropane	ND		1.0		ug/L			08/28/12 18:56	1
1,1-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/28/12 18:56	1
Ethylene Dibromide	ND		0.50		ug/L			08/28/12 18:56	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119921/4
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50		ug/L			08/28/12 18:56	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1-Dichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
1,2-Dichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/28/12 18:56	1
Ethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
Hexachlorobutadiene	ND		1.0		ug/L			08/28/12 18:56	1
2-Hexanone	ND		50		ug/L			08/28/12 18:56	1
Isopropylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
4-Isopropyltoluene	ND		1.0		ug/L			08/28/12 18:56	1
Methylene Chloride	ND		5.0		ug/L			08/28/12 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/28/12 18:56	1
Naphthalene	ND		1.0		ug/L			08/28/12 18:56	1
N-Propylbenzene	ND		1.0		ug/L			08/28/12 18:56	1
Styrene	ND		0.50		ug/L			08/28/12 18:56	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/28/12 18:56	1
Tetrachloroethene	ND		0.50		ug/L			08/28/12 18:56	1
Toluene	ND		0.50		ug/L			08/28/12 18:56	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/28/12 18:56	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/28/12 18:56	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/28/12 18:56	1
Trichloroethene	ND		0.50		ug/L			08/28/12 18:56	1
Trichlorofluoromethane	ND		1.0		ug/L			08/28/12 18:56	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/28/12 18:56	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/28/12 18:56	1
Vinyl acetate	ND		10		ug/L			08/28/12 18:56	1
Vinyl chloride	ND		0.50		ug/L			08/28/12 18:56	1
Xylenes, Total	ND		1.0		ug/L			08/28/12 18:56	1
2,2-Dichloropropane	ND		0.50		ug/L			08/28/12 18:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/28/12 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*08/28/12 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*		*08/28/12 18:56*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*08/28/12 18:56*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119921/5
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.6		ug/L		99	62 - 130
Acetone	125	82.0		ug/L		66	26 - 180
Benzene	25.0	24.7		ug/L		99	79 - 130
Dichlorobromomethane	25.0	25.9		ug/L		103	70 - 130
Bromobenzene	25.0	24.1		ug/L		96	70 - 130
Chlorobromomethane	25.0	24.9		ug/L		99	70 - 130
Bromoform	25.0	25.3		ug/L		101	68 - 136
Bromomethane	25.0	23.6		ug/L		94	43 - 151
2-Butanone (MEK)	125	106		ug/L		84	54 - 130
n-Butylbenzene	25.0	26.1		ug/L		105	70 - 142
sec-Butylbenzene	25.0	25.7		ug/L		103	70 - 134
tert-Butylbenzene	25.0	25.7		ug/L		103	70 - 135
Carbon disulfide	25.0	28.0		ug/L		112	58 - 130
Carbon tetrachloride	25.0	26.3		ug/L		105	70 - 146
Chlorobenzene	25.0	25.6		ug/L		102	70 - 130
Chloroethane	25.0	24.3		ug/L		97	62 - 138
Chloroform	25.0	24.5		ug/L		98	70 - 130
Chloromethane	25.0	23.0		ug/L		92	52 - 175
2-Chlorotoluene	25.0	25.7		ug/L		103	70 - 130
4-Chlorotoluene	25.0	25.1		ug/L		100	70 - 130
Chlorodibromomethane	25.0	25.7		ug/L		103	70 - 145
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
1,1-Dichloropropene	25.0	26.9		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	21.9		ug/L		88	70 - 136
Ethylene Dibromide	25.0	25.6		ug/L		103	70 - 130
Dibromomethane	25.0	24.8		ug/L		99	70 - 130
Dichlorodifluoromethane	25.0	18.6		ug/L		75	34 - 132
1,1-Dichloroethane	25.0	25.4		ug/L		102	70 - 130
1,2-Dichloroethane	25.0	24.7		ug/L		99	61 - 132
1,1-Dichloroethene	25.0	25.5		ug/L		102	64 - 128
cis-1,2-Dichloroethene	25.0	26.4		ug/L		105	70 - 130
trans-1,2-Dichloroethene	25.0	24.9		ug/L		99	68 - 130
1,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130
cis-1,3-Dichloropropene	25.0	27.4		ug/L		109	70 - 130
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	70 - 140
Ethylbenzene	25.0	25.1		ug/L		100	80 - 120
Hexachlorobutadiene	25.0	22.0		ug/L		88	70 - 130
2-Hexanone	125	110		ug/L		88	60 - 164
Isopropylbenzene	25.0	27.0		ug/L		108	70 - 130
4-Isopropyltoluene	25.0	25.3		ug/L		101	70 - 130
Methylene Chloride	25.0	22.0		ug/L		88	70 - 147
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 130
Naphthalene	25.0	21.5		ug/L		86	70 - 130
N-Propylbenzene	25.0	26.5		ug/L		106	70 - 130
Styrene	25.0	26.0		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119921/5
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130
Tetrachloroethene	25.0	26.1		ug/L		104	70 - 130
Toluene	25.0	25.5		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	70 - 130
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
Trichloroethene	25.0	25.6		ug/L		102	70 - 130
Trichlorofluoromethane	25.0	24.7		ug/L		99	66 - 132
1,2,3-Trichloropropane	25.0	24.5		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	25.2		ug/L		101	70 - 132
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 130
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163
Vinyl chloride	25.0	23.0		ug/L		92	54 - 135
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 142
o-Xylene	25.0	26.1		ug/L		105	70 - 130
2,2-Dichloropropane	25.0	27.5		ug/L		110	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCS 720-119921/7
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	487		ug/L		97	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-119921/6
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.9		ug/L		100	62 - 130	1	20
Acetone	125	85.2		ug/L		68	26 - 180	4	30
Benzene	25.0	24.8		ug/L		99	79 - 130	0	20
Dichlorobromomethane	25.0	25.9		ug/L		104	70 - 130	0	20
Bromobenzene	25.0	24.7		ug/L		99	70 - 130	3	20
Chlorobromomethane	25.0	25.0		ug/L		100	70 - 130	0	20
Bromoform	25.0	25.7		ug/L		103	68 - 136	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119921/6
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	25.0	23.9		ug/L		95	43 - 151	1	20
2-Butanone (MEK)	125	109		ug/L		87	54 - 130	4	20
n-Butylbenzene	25.0	26.2		ug/L		105	70 - 142	0	20
sec-Butylbenzene	25.0	26.2		ug/L		105	70 - 134	2	20
tert-Butylbenzene	25.0	26.4		ug/L		106	70 - 135	3	20
Carbon disulfide	25.0	28.5		ug/L		114	58 - 130	1	20
Carbon tetrachloride	25.0	25.2		ug/L		101	70 - 146	4	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	24.6		ug/L		98	62 - 138	1	20
Chloroform	25.0	24.6		ug/L		99	70 - 130	1	20
Chloromethane	25.0	22.8		ug/L		91	52 - 175	1	20
2-Chlorotoluene	25.0	26.4		ug/L		106	70 - 130	3	20
4-Chlorotoluene	25.0	25.8		ug/L		103	70 - 130	3	20
Chlorodibromomethane	25.0	25.5		ug/L		102	70 - 145	1	20
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	1	20
1,1-Dichloropropene	25.0	27.0		ug/L		108	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	22.8		ug/L		91	70 - 136	4	20
Ethylene Dibromide	25.0	25.9		ug/L		103	70 - 130	1	20
Dibromomethane	25.0	24.9		ug/L		100	70 - 130	1	20
Dichlorodifluoromethane	25.0	18.4		ug/L		74	34 - 132	1	20
1,1-Dichloroethane	25.0	25.7		ug/L		103	70 - 130	1	20
1,2-Dichloroethane	25.0	24.1		ug/L		96	61 - 132	3	20
1,1-Dichloroethene	25.0	25.6		ug/L		102	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	68 - 130	2	20
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 140	2	20
Ethylbenzene	25.0	25.0		ug/L		100	80 - 120	0	20
Hexachlorobutadiene	25.0	22.1		ug/L		89	70 - 130	1	20
2-Hexanone	125	112		ug/L		89	60 - 164	2	20
Isopropylbenzene	25.0	27.0		ug/L		108	70 - 130	0	20
4-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130	1	20
Methylene Chloride	25.0	22.4		ug/L		90	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	58 - 130	0	20
Naphthalene	25.0	22.1		ug/L		89	70 - 130	3	20
N-Propylbenzene	25.0	27.2		ug/L		109	70 - 130	3	20
Styrene	25.0	26.3		ug/L		105	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	24.3		ug/L		97	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	70 - 130	5	20
Tetrachloroethene	25.0	25.8		ug/L		103	70 - 130	1	20
Toluene	25.0	25.0		ug/L		100	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	22.3		ug/L		89	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		87	70 - 130	1	20
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	70 - 130	1	20
Trichloroethene	25.0	25.6		ug/L		102	70 - 130	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119921/6
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	25.0	24.6		ug/L		98	66 - 132	1	20
1,2,3-Trichloropropane	25.0	25.2		ug/L		101	70 - 130	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	25.9		ug/L		103	70 - 132	3	20
1,3,5-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 130	2	20
Vinyl acetate	25.0	24.4		ug/L		98	43 - 163	1	20
Vinyl chloride	25.0	23.1		ug/L		92	54 - 135	1	20
m-Xylene & p-Xylene	50.0	52.0		ug/L		104	70 - 142	1	20
o-Xylene	25.0	26.5		ug/L		106	70 - 130	1	20
2,2-Dichloropropane	25.0	27.0		ug/L		108	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-119921/8
Matrix: Water
Analysis Batch: 119921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	484		ug/L		97	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 720-119954/4
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 08:17	1
Acetone	ND		50		ug/L			08/29/12 08:17	1
Benzene	ND		0.50		ug/L			08/29/12 08:17	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 08:17	1
Bromobenzene	ND		1.0		ug/L			08/29/12 08:17	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 08:17	1
Bromoform	ND		1.0		ug/L			08/29/12 08:17	1
Bromomethane	ND		1.0		ug/L			08/29/12 08:17	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 08:17	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 08:17	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 08:17	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119954/4
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0		ug/L			08/29/12 08:17	1
Chloroform	ND		1.0		ug/L			08/29/12 08:17	1
Chloromethane	ND		1.0		ug/L			08/29/12 08:17	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 08:17	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 08:17	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 08:17	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 08:17	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 08:17	1
Dibromomethane	ND		0.50		ug/L			08/29/12 08:17	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 08:17	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 08:17	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 08:17	1
2-Hexanone	ND		50		ug/L			08/29/12 08:17	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 08:17	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 08:17	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 08:17	1
Naphthalene	ND		1.0		ug/L			08/29/12 08:17	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 08:17	1
Styrene	ND		0.50		ug/L			08/29/12 08:17	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 08:17	1
Tetrachloroethene	ND		0.50		ug/L			08/29/12 08:17	1
Toluene	ND		0.50		ug/L			08/29/12 08:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 08:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 08:17	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 08:17	1
Trichloroethene	ND		0.50		ug/L			08/29/12 08:17	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 08:17	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 08:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 08:17	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 08:17	1
Vinyl acetate	ND		10		ug/L			08/29/12 08:17	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 08:17	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 08:17	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119954/4
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 08:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/29/12 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/29/12 08:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*		*08/29/12 08:17*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/29/12 08:17*	*1*

Lab Sample ID: LCS 720-119954/5
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	24.4		ug/L		98	62 - 130
Acetone	125	85.1		ug/L		68	26 - 180
Benzene	25.0	24.7		ug/L		99	79 - 130
Dichlorobromomethane	25.0	25.1		ug/L		101	70 - 130
Bromobenzene	25.0	24.9		ug/L		99	70 - 130
Chlorobromomethane	25.0	24.3		ug/L		97	70 - 130
Bromoform	25.0	25.5		ug/L		102	68 - 136
Bromomethane	25.0	24.0		ug/L		96	43 - 151
2-Butanone (MEK)	125	117		ug/L		94	54 - 130
n-Butylbenzene	25.0	26.6		ug/L		106	70 - 142
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 134
tert-Butylbenzene	25.0	26.6		ug/L		107	70 - 135
Carbon disulfide	25.0	27.6		ug/L		110	58 - 130
Carbon tetrachloride	25.0	25.4		ug/L		101	70 - 146
Chlorobenzene	25.0	25.6		ug/L		102	70 - 130
Chloroethane	25.0	25.1		ug/L		100	62 - 138
Chloroform	25.0	24.1		ug/L		97	70 - 130
Chloromethane	25.0	23.8		ug/L		95	52 - 175
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130
4-Chlorotoluene	25.0	25.5		ug/L		102	70 - 130
Chlorodibromomethane	25.0	25.2		ug/L		101	70 - 145
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	70 - 130
1,3-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	27.0		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.2		ug/L		93	70 - 136
Ethylene Dibromide	25.0	25.2		ug/L		101	70 - 130
Dibromomethane	25.0	24.4		ug/L		97	70 - 130
Dichlorodifluoromethane	25.0	20.5		ug/L		82	34 - 132
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	24.1		ug/L		96	61 - 132
1,1-Dichloroethene	25.0	24.7		ug/L		99	64 - 128
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	70 - 130
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	68 - 130
1,2-Dichloropropane	25.0	24.9		ug/L		100	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119954/5
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	70 - 130
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	70 - 140
Ethylbenzene	25.0	25.4		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	22.6		ug/L		90	70 - 130
2-Hexanone	125	115		ug/L		92	60 - 164
Isopropylbenzene	25.0	27.5		ug/L		110	70 - 130
4-Isopropyltoluene	25.0	25.9		ug/L		103	70 - 130
Methylene Chloride	25.0	21.2		ug/L		85	70 - 147
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	58 - 130
Naphthalene	25.0	22.3		ug/L		89	70 - 130
N-Propylbenzene	25.0	27.2		ug/L		109	70 - 130
Styrene	25.0	26.1		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	25.0	24.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		103	70 - 130
Tetrachloroethene	25.0	25.9		ug/L		104	70 - 130
Toluene	25.0	25.4		ug/L		102	78 - 120
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	70 - 130
1,1,2-Trichloroethane	25.0	25.1		ug/L		100	70 - 130
Trichloroethene	25.0	25.9		ug/L		104	70 - 130
Trichlorofluoromethane	25.0	24.2		ug/L		97	66 - 132
1,2,3-Trichloropropane	25.0	25.3		ug/L		101	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.2		ug/L		97	42 - 162
1,2,4-Trimethylbenzene	25.0	25.7		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	26.0		ug/L		104	70 - 130
Vinyl acetate	25.0	24.0		ug/L		96	43 - 163
Vinyl chloride	25.0	23.9		ug/L		96	54 - 135
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 142
o-Xylene	25.0	26.5		ug/L		106	70 - 130
2,2-Dichloropropane	25.0	27.1		ug/L		109	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCS 720-119954/7
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	496		ug/L		99	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119954/7
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 720-119954/6
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	24.9		ug/L		100	62 - 130	2	20
Acetone	125	88.6		ug/L		71	26 - 180	4	30
Benzene	25.0	24.9		ug/L		100	79 - 130	1	20
Dichlorobromomethane	25.0	25.2		ug/L		101	70 - 130	0	20
Bromobenzene	25.0	25.5		ug/L		102	70 - 130	3	20
Chlorobromomethane	25.0	24.5		ug/L		98	70 - 130	1	20
Bromoform	25.0	25.4		ug/L		102	68 - 136	0	20
Bromomethane	25.0	24.3		ug/L		97	43 - 151	1	20
2-Butanone (MEK)	125	119		ug/L		95	54 - 130	1	20
n-Butylbenzene	25.0	26.4		ug/L		105	70 - 142	1	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 134	2	20
tert-Butylbenzene	25.0	27.1		ug/L		108	70 - 135	2	20
Carbon disulfide	25.0	27.5		ug/L		110	58 - 130	0	20
Carbon tetrachloride	25.0	25.2		ug/L		101	70 - 146	1	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	25.2		ug/L		101	62 - 138	1	20
Chloroform	25.0	24.3		ug/L		97	70 - 130	1	20
Chloromethane	25.0	24.7		ug/L		99	52 - 175	4	20
2-Chlorotoluene	25.0	27.1		ug/L		108	70 - 130	3	20
4-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130	3	20
Chlorodibromomethane	25.0	25.2		ug/L		101	70 - 145	0	20
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130	1	20
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130	0	20
1,3-Dichloropropane	25.0	25.4		ug/L		102	70 - 130	1	20
1,1-Dichloropropene	25.0	26.9		ug/L		108	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	70 - 136	1	20
Ethylene Dibromide	25.0	25.8		ug/L		103	70 - 130	2	20
Dibromomethane	25.0	24.9		ug/L		99	70 - 130	2	20
Dichlorodifluoromethane	25.0	20.6		ug/L		82	34 - 132	0	20
1,1-Dichloroethane	25.0	25.3		ug/L		101	70 - 130	1	20
1,2-Dichloroethane	25.0	24.5		ug/L		98	61 - 132	2	20
1,1-Dichloroethene	25.0	24.7		ug/L		99	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	68 - 130	1	20
1,2-Dichloropropane	25.0	25.4		ug/L		101	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	70 - 140	0	20
Ethylbenzene	25.0	25.2		ug/L		101	80 - 120	1	20
Hexachlorobutadiene	25.0	21.9		ug/L		88	70 - 130	3	20
2-Hexanone	125	116		ug/L		93	60 - 164	1	20
Isopropylbenzene	25.0	26.6		ug/L		106	70 - 130	3	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119954/6
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Isopropyltoluene	25.0	25.6		ug/L		103	70 - 130	1	20
Methylene Chloride	25.0	21.6		ug/L		87	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	58 - 130	1	20
Naphthalene	25.0	22.0		ug/L		88	70 - 130	1	20
N-Propylbenzene	25.0	28.0		ug/L		112	70 - 130	3	20
Styrene	25.0	26.1		ug/L		104	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	26.8		ug/L		107	70 - 130	5	20
Tetrachloroethene	25.0	25.5		ug/L		102	70 - 130	2	20
Toluene	25.0	25.3		ug/L		101	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	21.5		ug/L		86	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	21.4		ug/L		86	70 - 130	3	20
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	70 - 130	0	20
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	70 - 130	2	20
Trichloroethene	25.0	25.6		ug/L		102	70 - 130	1	20
Trichlorofluoromethane	25.0	24.0		ug/L		96	66 - 132	1	20
1,2,3-Trichloropropane	25.0	26.8		ug/L		107	70 - 130	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.9		ug/L		96	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	26.3		ug/L		105	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	26.9		ug/L		108	70 - 130	3	20
Vinyl acetate	25.0	24.9		ug/L		100	43 - 163	4	20
Vinyl chloride	25.0	24.3		ug/L		97	54 - 135	2	20
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 142	2	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	2	20
2,2-Dichloropropane	25.0	27.3		ug/L		109	70 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 720-119954/8
Matrix: Water
Analysis Batch: 119954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	479		ug/L		96	62 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

GC/MS VOA

Analysis Batch: 119919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44228-1	SB-39	Total/NA	Water	8260B/CA_LUFT MS	
720-44228-1 MS	SB-39	Total/NA	Water	8260B/CA_LUFT MS	
720-44228-1 MSD	SB-39	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119919/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119919/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119919/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119919/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119919/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 119921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44228-2	SB-390	Total/NA	Water	8260B/CA_LUFT MS	
720-44228-3	SB-38	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119921/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119921/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119921/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119921/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119921/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 119954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44228-2	SB-390	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119954/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-119954/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119954/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-119954/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-119954/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Client Sample ID: SB-39

Lab Sample ID: 720-44228-1

Date Collected: 08/28/12 12:20
Date Received: 08/28/12 15:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119919	08/29/12 00:59	AC	TAL SF

Client Sample ID: SB-390

Lab Sample ID: 720-44228-2

Date Collected: 08/28/12 12:40
Date Received: 08/28/12 15:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119921	08/29/12 04:30	DH	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119954	08/29/12 11:11	DH	TAL SF

Client Sample ID: SB-38

Lab Sample ID: 720-44228-3

Date Collected: 08/28/12 14:20
Date Received: 08/28/12 15:50

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	119921	08/29/12 04:59	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44228-1	SB-39	Water	08/28/12 12:20	08/28/12 15:50
720-44228-2	SB-390	Water	08/28/12 12:40	08/28/12 15:50
720-44228-3	SB-38	Water	08/28/12 14:20	08/28/12 15:50

12

13

720.44228

140434 OAK 17998

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevy

DATE: 8/28/12 PAGE OF

PROJECT NUMBER: 0D101ED070.00002

RESULTS TO: Avery.Patton@amec.com

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD: Courier

LABORATORY NAME: Test America

LABORATORY ADDRESS: 1220 Quarry Ln. Pleasanton, CA

LABORATORY CONTACT: Afsaneh

LABORATORY PHONE NUMBER: 925-484-1919

CLIENT INFORMATION: AMEC

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED: YES (circled) NO

SITE SPECIFIC GLOBAL ID NO. T10000001616

SAMPLERS (SIGNATURE):

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOCs + TPH-g (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/28/12	1220	SB-39	X	VOAs	W	N	HCl	Y	Y	9	MS/MSD
↓	1240	SB-390	X	↓	W	N	HCl	Y	N	3	
	1420	SB-38	X		W	N	HCl	Y	N	3	

4.8°c

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: / PRINTED NAME: Haely Yang / COMPANY:	8/28/12	1525	SIGNATURE: / PRINTED NAME: T. Stitt / COMPANY: TASF	8/28/12	1530
SIGNATURE: / PRINTED NAME: T. Stitt / COMPANY: TASF	8/28/12	1550	SIGNATURE: / PRINTED NAME: / COMPANY: TASF	8/28/12	1550
SIGNATURE: / PRINTED NAME: / COMPANY:			SIGNATURE: / PRINTED NAME: / COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

8/30/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44228-1

Login Number: 44228
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44229-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/31/2012 2:01:30 PM
Micah Smith
Project Manager I
micah.smith@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44229-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44229-1

Comments
No additional comments.

Receipt
The samples were received on 8/28/2012 3:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch #119920 were outside control limits for Vinyl acetate. This is attributed to matrix interferences. The laboratory control sample and laboratory control sample duplicate (LCS/LCSD) are within limits.

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample: SB-41-5.0 (720-44229-5) and SB-40-5.0 (720-44229-6). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Client Sample ID: SB-39-5.0 — Lab Sample ID: 720-44229-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.1		4.1		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-39-10.0 — Lab Sample ID: 720-44229-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	15		4.2		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-38-5.0 — Lab Sample ID: 720-44229-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.1		4.4		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-38-10.0 — Lab Sample ID: 720-44229-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	12		4.0		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-41-5.0 — Lab Sample ID: 720-44229-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	20		4.2		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-40-5.0 — Lab Sample ID: 720-44229-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	36		5.0		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-41-10.0 — Lab Sample ID: 720-44229-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	9.1		4.3		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-40-10.0 — Lab Sample ID: 720-44229-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	19		4.8		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-39-5.0
Date Collected: 08/28/12 10:00
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Acetone	ND		41		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Benzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Dichlorobromomethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Bromobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chlorobromomethane	ND		17		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Bromoform	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Bromomethane	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
2-Butanone (MEK)	ND		41		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
n-Butylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
sec-Butylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
tert-Butylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Carbon disulfide	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Carbon tetrachloride	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chloroethane	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chloroform	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chloromethane	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
2-Chlorotoluene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
4-Chlorotoluene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Chlorodibromomethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2-Dichlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,3-Dichlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,4-Dichlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,3-Dichloropropane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1-Dichloropropene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2-Dibromo-3-Chloropropane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Ethylene Dibromide	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Dibromomethane	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Dichlorodifluoromethane	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1-Dichloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2-Dichloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1-Dichloroethene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
cis-1,2-Dichloroethene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
trans-1,2-Dichloroethene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2-Dichloropropane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
cis-1,3-Dichloropropene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
trans-1,3-Dichloropropene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Ethylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Hexachlorobutadiene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
2-Hexanone	ND		41		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Isopropylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
4-Isopropyltoluene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Methylene Chloride	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
4-Methyl-2-pentanone (MIBK)	ND		41		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Naphthalene	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
N-Propylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Styrene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1,1,2-Tetrachloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Tetrachloroethene	**7.1**		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-39-5.0
Date Collected: 08/28/12 10:00
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2,4-Trichlorobenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1,1-Trichloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1,2-Trichloroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Trichloroethene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Trichlorofluoromethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2,3-Trichloropropane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,2,4-Trimethylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
1,3,5-Trimethylbenzene	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Vinyl acetate	ND		41	UJ	ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Vinyl chloride	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Xylenes, Total	ND		8.3		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
2,2-Dichloropropane	ND		4.1		ug/Kg		08/28/12 20:25	08/28/12 23:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		08/28/12 20:25	08/28/12 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*45 - 131*	*08/28/12 20:25*	*08/28/12 23:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*08/28/12 20:25*	*08/28/12 23:10*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*08/28/12 20:25*	*08/28/12 23:10*	*1*

Client Sample ID: SB-39-10.0
Date Collected: 08/28/12 10:05
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Acetone	ND		42		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Benzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Dichlorobromomethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Bromobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chlorobromomethane	ND		17		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Bromoform	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Bromomethane	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
2-Butanone (MEK)	ND		42		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
n-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
sec-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
tert-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Carbon disulfide	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Carbon tetrachloride	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chloroethane	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chloroform	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chloromethane	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
2-Chlorotoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
4-Chlorotoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Chlorodibromomethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,3-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,4-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,3-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-39-10.0
Date Collected: 08/28/12 10:05
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2-Dibromo-3-Chloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Ethylene Dibromide	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Dibromomethane	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Dichlorodifluoromethane	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1-Dichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2-Dichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
cis-1,3-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
trans-1,3-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Ethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Hexachlorobutadiene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
2-Hexanone	ND		42		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Isopropylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
4-Isopropyltoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Methylene Chloride	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
4-Methyl-2-pentanone (MIBK)	ND		42		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Naphthalene	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
N-Propylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Styrene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Tetrachloroethene	**15**		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Toluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2,3-Trichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2,4-Trichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1,1-Trichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1,2-Trichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Trichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Trichlorofluoromethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2,3-Trichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,2,4-Trimethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
1,3,5-Trimethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Vinyl acetate	ND		42	UJ	ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Vinyl chloride	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Xylenes, Total	ND		8.3		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
2,2-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 00:43	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		08/28/12 20:25	08/29/12 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*	*08/28/12 20:25*	*08/29/12 00:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*08/28/12 20:25*	*08/29/12 00:43*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*08/28/12 20:25*	*08/29/12 00:43*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-38-5.0
Date Collected: 08/28/12 11:00
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Acetone	ND		44		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Benzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Dichlorobromomethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Bromobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chlorobromomethane	ND		17		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Bromoform	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Bromomethane	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
2-Butanone (MEK)	ND		44		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
n-Butylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
sec-Butylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
tert-Butylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Carbon disulfide	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Carbon tetrachloride	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chloroethane	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chloroform	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chloromethane	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
2-Chlorotoluene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
4-Chlorotoluene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Chlorodibromomethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2-Dichlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,3-Dichlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,4-Dichlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,3-Dichloropropane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1-Dichloropropene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2-Dibromo-3-Chloropropane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Ethylene Dibromide	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Dibromomethane	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Dichlorodifluoromethane	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1-Dichloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2-Dichloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1-Dichloroethene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
cis-1,2-Dichloroethene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
trans-1,2-Dichloroethene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2-Dichloropropane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
cis-1,3-Dichloropropene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
trans-1,3-Dichloropropene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Ethylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Hexachlorobutadiene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
2-Hexanone	ND		44		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Isopropylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
4-Isopropyltoluene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Methylene Chloride	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
4-Methyl-2-pentanone (MIBK)	ND		44		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Naphthalene	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
N-Propylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Styrene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1,1,2-Tetrachloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1,2,2-Tetrachloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Tetrachloroethene	**5.1**		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-38-5.0
Date Collected: 08/28/12 11:00
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2,3-Trichlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2,4-Trichlorobenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1,1-Trichloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1,2-Trichloroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Trichloroethene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Trichlorofluoromethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2,3-Trichloropropane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,2,4-Trimethylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
1,3,5-Trimethylbenzene	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Vinyl acetate	ND		44		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Vinyl chloride	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Xylenes, Total	ND		8.7		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
2,2-Dichloropropane	ND		4.4		ug/Kg		08/28/12 20:25	08/29/12 01:15	1
Gasoline Range Organics (GRO) -C5-C12	ND		220		ug/Kg		08/28/12 20:25	08/29/12 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*45 - 131*	*08/28/12 20:25*	*08/29/12 01:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*08/28/12 20:25*	*08/29/12 01:15*	*1*
Toluene-d8 (Surr)	*102*		*58 - 140*	*08/28/12 20:25*	*08/29/12 01:15*	*1*

Client Sample ID: SB-38-10.0
Date Collected: 08/28/12 11:05
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Acetone	ND		40		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Benzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Dichlorobromomethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Bromobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chlorobromomethane	ND		16		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Bromoform	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Bromomethane	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
2-Butanone (MEK)	ND		40		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
n-Butylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
sec-Butylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
tert-Butylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Carbon disulfide	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Carbon tetrachloride	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chloroethane	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chloroform	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chloromethane	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
2-Chlorotoluene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
4-Chlorotoluene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Chlorodibromomethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2-Dichlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,3-Dichlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,4-Dichlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,3-Dichloropropane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-38-10.0
Date Collected: 08/28/12 11:05
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Ethylene Dibromide	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Dibromomethane	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Dichlorodifluoromethane	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1-Dichloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2-Dichloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1-Dichloroethene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
cis-1,2-Dichloroethene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
trans-1,2-Dichloroethene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2-Dichloropropane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
cis-1,3-Dichloropropene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
trans-1,3-Dichloropropene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Ethylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Hexachlorobutadiene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
2-Hexanone	ND		40		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Isopropylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
4-Isopropyltoluene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Methylene Chloride	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		40		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Naphthalene	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
N-Propylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Styrene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1,1,2-Tetrachloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1,2,2-Tetrachloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Tetrachloroethene	**12**		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Toluene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2,3-Trichlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2,4-Trichlorobenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1,1-Trichloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1,2-Trichloroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Trichloroethene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Trichlorofluoromethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2,3-Trichloropropane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,2,4-Trimethylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
1,3,5-Trimethylbenzene	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Vinyl acetate	ND		40 UJ		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Vinyl chloride	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Xylenes, Total	ND		8.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
2,2-Dichloropropane	ND		4.0		ug/Kg		08/28/12 20:25	08/29/12 01:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		200		ug/Kg		08/28/12 20:25	08/29/12 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*	*08/28/12 20:25*	*08/29/12 01:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*08/28/12 20:25*	*08/29/12 01:47*	*1*
Toluene-d8 (Surr)	*100*		*58 - 140*	*08/28/12 20:25*	*08/29/12 01:47*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-41-5.0
Date Collected: 08/28/12 14:55
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Acetone	ND		42		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Benzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Dichlorobromomethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Bromobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chlorobromomethane	ND		17		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Bromoform	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Bromomethane	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
2-Butanone (MEK)	ND		42		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
n-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
sec-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
tert-Butylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Carbon disulfide	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Carbon tetrachloride	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chloroethane	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chloroform	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chloromethane	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
2-Chlorotoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
4-Chlorotoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Chlorodibromomethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,3-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,4-Dichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,3-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2-Dibromo-3-Chloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Ethylene Dibromide	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Dibromomethane	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Dichlorodifluoromethane	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1-Dichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2-Dichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
cis-1,3-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
trans-1,3-Dichloropropene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Ethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Hexachlorobutadiene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
2-Hexanone	ND		42		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Isopropylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
4-Isopropyltoluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Methylene Chloride	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		42		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Naphthalene	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
N-Propylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Styrene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Tetrachloroethene	**20**		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-41-5.0
Date Collected: 08/28/12 14:55
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2,3-Trichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2,4-Trichlorobenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1,1-Trichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1,2-Trichloroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Trichloroethene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Trichlorofluoromethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2,3-Trichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,2,4-Trimethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
1,3,5-Trimethylbenzene	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Vinyl acetate	ND		42 UJ		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Vinyl chloride	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Xylenes, Total	ND		8.4		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
2,2-Dichloropropane	ND		4.2		ug/Kg		08/28/12 20:25	08/29/12 02:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		08/28/12 20:25	08/29/12 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*71*		*45 - 131*	*08/28/12 20:25*	*08/29/12 02:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*	*08/28/12 20:25*	*08/29/12 02:17*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*	*08/28/12 20:25*	*08/29/12 02:17*	*1*

Client Sample ID: SB-40-5.0
Date Collected: 08/28/12 15:10
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Acetone	ND		50		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Benzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Dichlorobromomethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Bromobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chlorobromomethane	ND		20		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Bromoform	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Bromomethane	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
2-Butanone (MEK)	ND		50		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
n-Butylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
sec-Butylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
tert-Butylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Carbon disulfide	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Carbon tetrachloride	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chloroethane	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chloroform	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chloromethane	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
2-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
4-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Chlorodibromomethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,3-Dichloropropane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-40-5.0
Date Collected: 08/28/12 15:10
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Dibromomethane	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Dichlorodifluoromethane	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1-Dichloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1-Dichloroethene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Ethylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Hexachlorobutadiene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
2-Hexanone	ND		50		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Isopropylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
4-Isopropyltoluene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Methylene Chloride	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Naphthalene	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
N-Propylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Styrene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Tetrachloroethene	**36**		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Toluene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Trichloroethene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Trichlorofluoromethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Vinyl acetate	ND		50	UJ	ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Vinyl chloride	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Xylenes, Total	ND		10		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
2,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 20:25	08/29/12 02:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/28/12 20:25	08/29/12 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*69*		*45 - 131*	*08/28/12 20:25*	*08/29/12 02:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*	*08/28/12 20:25*	*08/29/12 02:48*	*1*
Toluene-d8 (Surr)	*92*		*58 - 140*	*08/28/12 20:25*	*08/29/12 02:48*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-41-10.0
Date Collected: 08/28/12 15:15
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Acetone	ND		43		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Benzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Dichlorobromomethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Bromobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chlorobromomethane	ND		17		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Bromoform	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Bromomethane	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
2-Butanone (MEK)	ND		43		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
n-Butylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
sec-Butylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
tert-Butylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Carbon disulfide	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Carbon tetrachloride	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chloroethane	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chloroform	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chloromethane	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
2-Chlorotoluene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
4-Chlorotoluene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Chlorodibromomethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2-Dichlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,3-Dichlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,4-Dichlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,3-Dichloropropane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1-Dichloropropene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2-Dibromo-3-Chloropropane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Ethylene Dibromide	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Dibromomethane	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Dichlorodifluoromethane	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1-Dichloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2-Dichloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1-Dichloroethene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
cis-1,2-Dichloroethene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
trans-1,2-Dichloroethene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2-Dichloropropane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
cis-1,3-Dichloropropene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
trans-1,3-Dichloropropene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Ethylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Hexachlorobutadiene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
2-Hexanone	ND		43		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Isopropylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
4-Isopropyltoluene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Methylene Chloride	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
4-Methyl-2-pentanone (MIBK)	ND		43		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Naphthalene	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
N-Propylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Styrene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1,1,2-Tetrachloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1,2,2-Tetrachloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Tetrachloroethene	**9.1**		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-41-10.0 — **Lab Sample ID: 720-44229-7**
Date Collected: 08/28/12 15:15 — **Matrix: Solid**
Date Received: 08/28/12 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2,3-Trichlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2,4-Trichlorobenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1,1-Trichloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1,2-Trichloroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Trichloroethene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Trichlorofluoromethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2,3-Trichloropropane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,2,4-Trimethylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
1,3,5-Trimethylbenzene	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Vinyl acetate	ND		43 UJ		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Vinyl chloride	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Xylenes, Total	ND		8.5		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
2,2-Dichloropropane	ND		4.3		ug/Kg		08/28/12 20:25	08/29/12 03:19	1
Gasoline Range Organics (GRO) -C5-C12	ND		210		ug/Kg		08/28/12 20:25	08/29/12 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*08/28/12 20:25*	*08/29/12 03:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*	*08/28/12 20:25*	*08/29/12 03:19*	*1*
Toluene-d8 (Surr)	*98*		*58 - 140*	*08/28/12 20:25*	*08/29/12 03:19*	*1*

Client Sample ID: SB-40-10.0 — **Lab Sample ID: 720-44229-8**
Date Collected: 08/28/12 15:20 — **Matrix: Solid**
Date Received: 08/28/12 15:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Acetone	ND		48		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Benzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Dichlorobromomethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Bromobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chlorobromomethane	ND		19		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Bromoform	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Bromomethane	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
2-Butanone (MEK)	ND		48		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
n-Butylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
sec-Butylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
tert-Butylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Carbon disulfide	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Carbon tetrachloride	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chloroethane	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chloroform	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chloromethane	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
2-Chlorotoluene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
4-Chlorotoluene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Chlorodibromomethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,3-Dichloropropane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-40-10.0
Date Collected: 08/28/12 15:20
Date Received: 08/28/12 15:50

Lab Sample ID: 720-44229-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2-Dibromo-3-Chloropropane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Ethylene Dibromide	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Dibromomethane	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Dichlorodifluoromethane	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1-Dichloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2-Dichloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1-Dichloroethene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2-Dichloropropane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Ethylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Hexachlorobutadiene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
2-Hexanone	ND		48		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Isopropylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
4-Isopropyltoluene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Methylene Chloride	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Naphthalene	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
N-Propylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Styrene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Tetrachloroethene	**19**		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Toluene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Trichloroethene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Trichlorofluoromethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Vinyl acetate	ND		48 UJ		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Vinyl chloride	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Xylenes, Total	ND		9.6		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
2,2-Dichloropropane	ND		4.8		ug/Kg		08/28/12 20:25	08/29/12 03:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		08/28/12 20:25	08/29/12 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*45 - 131*	*08/28/12 20:25*	*08/29/12 03:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*	*08/28/12 20:25*	*08/29/12 03:50*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*08/28/12 20:25*	*08/29/12 03:50*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-119940/1-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Acetone	ND		50		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Benzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Dichlorobromomethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Bromobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chlorobromomethane	ND		20		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Bromoform	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Bromomethane	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
2-Butanone (MEK)	ND		50		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
n-Butylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
sec-Butylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
tert-Butylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Carbon disulfide	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Carbon tetrachloride	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chloroethane	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chloroform	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chloromethane	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
2-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
4-Chlorotoluene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Chlorodibromomethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,3-Dichloropropane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1-Dichloropropene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Dibromomethane	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Dichlorodifluoromethane	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1-Dichloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1-Dichloroethene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Ethylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Hexachlorobutadiene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
2-Hexanone	ND		50		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Isopropylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
4-Isopropyltoluene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Methylene Chloride	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Naphthalene	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
N-Propylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Styrene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-119940/1-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 119940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Tetrachloroethene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Toluene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Trichloroethene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Trichlorofluoromethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Vinyl acetate	ND		50		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Vinyl chloride	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Xylenes, Total	ND		10		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
2,2-Dichloropropane	ND		5.0		ug/Kg		08/28/12 19:00	08/28/12 20:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/28/12 19:00	08/28/12 20:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*	*08/28/12 19:00*	*08/28/12 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*	*08/28/12 19:00*	*08/28/12 20:05*	*1*
Toluene-d8 (Surr)	*102*		*58 - 140*	*08/28/12 19:00*	*08/28/12 20:05*	*1*

Lab Sample ID: LCS 720-119940/2-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	57.3		ug/Kg		115	70 - 144
Acetone	250	190		ug/Kg		76	30 - 162
Benzene	50.0	47.7		ug/Kg		95	70 - 130
Dichlorobromomethane	50.0	57.1		ug/Kg		114	70 - 131
Bromobenzene	50.0	49.7		ug/Kg		99	70 - 130
Chlorobromomethane	50.0	53.3		ug/Kg		107	70 - 130
Bromoform	50.0	51.8		ug/Kg		104	59 - 158
Bromomethane	50.0	46.9		ug/Kg		94	59 - 132
2-Butanone (MEK)	250	253		ug/Kg		101	53 - 124
n-Butylbenzene	50.0	47.5		ug/Kg		95	70 - 142
sec-Butylbenzene	50.0	46.1		ug/Kg		92	70 - 136
tert-Butylbenzene	50.0	49.3		ug/Kg		99	70 - 130
Carbon disulfide	50.0	54.4		ug/Kg		109	60 - 140
Carbon tetrachloride	50.0	53.5		ug/Kg		107	70 - 138
Chlorobenzene	50.0	48.6		ug/Kg		97	70 - 130
Chloroethane	50.0	44.9		ug/Kg		90	65 - 130
Chloroform	50.0	51.6		ug/Kg		103	77 - 127
Chloromethane	50.0	43.3		ug/Kg		87	55 - 140
2-Chlorotoluene	50.0	48.2		ug/Kg		96	70 - 138
4-Chlorotoluene	50.0	47.2		ug/Kg		94	70 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119940/2-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	50.0	62.3		ug/Kg		125	70 - 146
1,2-Dichlorobenzene	50.0	50.1		ug/Kg		100	70 - 130
1,3-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 131
1,4-Dichlorobenzene	50.0	50.0		ug/Kg		100	70 - 130
1,3-Dichloropropane	50.0	54.1		ug/Kg		108	70 - 140
1,1-Dichloropropene	50.0	52.2		ug/Kg		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.5		ug/Kg		107	60 - 145
Ethylene Dibromide	50.0	58.6		ug/Kg		117	70 - 140
Dibromomethane	50.0	54.4		ug/Kg		109	70 - 139
Dichlorodifluoromethane	50.0	34.1		ug/Kg		68	37 - 158
1,1-Dichloroethane	50.0	50.0		ug/Kg		100	70 - 130
1,2-Dichloroethane	50.0	55.1		ug/Kg		110	70 - 130
1,1-Dichloroethene	50.0	49.8		ug/Kg		100	76 - 122
cis-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	70 - 138
trans-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	67 - 130
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	73 - 127
cis-1,3-Dichloropropene	50.0	62.1		ug/Kg		124	68 - 147
trans-1,3-Dichloropropene	50.0	60.3		ug/Kg		121	70 - 136
Ethylbenzene	50.0	46.0		ug/Kg		92	80 - 137
Hexachlorobutadiene	50.0	49.6		ug/Kg		99	70 - 132
2-Hexanone	250	243		ug/Kg		97	44 - 133
Isopropylbenzene	50.0	50.7		ug/Kg		101	88 - 128
4-Isopropyltoluene	50.0	46.7		ug/Kg		93	70 - 133
Methylene Chloride	50.0	52.2		ug/Kg		104	70 - 134
4-Methyl-2-pentanone (MIBK)	250	277		ug/Kg		111	60 - 160
Naphthalene	50.0	53.2		ug/Kg		106	60 - 147
N-Propylbenzene	50.0	47.0		ug/Kg		94	70 - 130
Styrene	50.0	54.3		ug/Kg		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/Kg		101	70 - 146
Tetrachloroethene	50.0	54.2		ug/Kg		108	70 - 132
Toluene	50.0	46.3		ug/Kg		93	80 - 128
1,2,3-Trichlorobenzene	50.0	50.2		ug/Kg		100	60 - 140
1,2,4-Trichlorobenzene	50.0	51.0		ug/Kg		102	60 - 140
1,1,1-Trichloroethane	50.0	52.9		ug/Kg		106	70 - 130
1,1,2-Trichloroethane	50.0	56.2		ug/Kg		112	70 - 130
Trichloroethene	50.0	52.5		ug/Kg		105	70 - 133
Trichlorofluoromethane	50.0	45.8		ug/Kg		92	60 - 140
1,2,3-Trichloropropane	50.0	53.5		ug/Kg		107	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	51.5		ug/Kg		103	60 - 140
1,2,4-Trimethylbenzene	50.0	47.4		ug/Kg		95	70 - 130
1,3,5-Trimethylbenzene	50.0	48.2		ug/Kg		96	70 - 131
Vinyl acetate	50.0	54.8		ug/Kg		110	38 - 176
Vinyl chloride	50.0	42.7		ug/Kg		85	58 - 125
m-Xylene & p-Xylene	100	93.0		ug/Kg		93	70 - 146
o-Xylene	50.0	48.6		ug/Kg		97	70 - 140
2,2-Dichloropropane	50.0	53.8		ug/Kg		108	70 - 162

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-119940/2-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119940

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: LCS 720-119940/4-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	991		ug/Kg		99	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: LCSD 720-119940/3-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	56.9		ug/Kg		114	70 - 144	1	20
Acetone	250	179		ug/Kg		72	30 - 162	6	30
Benzene	50.0	47.9		ug/Kg		96	70 - 130	0	20
Dichlorobromomethane	50.0	56.7		ug/Kg		113	70 - 131	1	20
Bromobenzene	50.0	49.8		ug/Kg		100	70 - 130	0	20
Chlorobromomethane	50.0	52.5		ug/Kg		105	70 - 130	2	20
Bromoform	50.0	52.1		ug/Kg		104	59 - 158	1	20
Bromomethane	50.0	47.2		ug/Kg		94	59 - 132	1	20
2-Butanone (MEK)	250	224		ug/Kg		89	53 - 124	13	20
n-Butylbenzene	50.0	47.1		ug/Kg		94	70 - 142	1	20
sec-Butylbenzene	50.0	46.2		ug/Kg		92	70 - 136	0	20
tert-Butylbenzene	50.0	49.9		ug/Kg		100	70 - 130	1	20
Carbon disulfide	50.0	54.6		ug/Kg		109	60 - 140	0	20
Carbon tetrachloride	50.0	54.1		ug/Kg		108	70 - 138	1	20
Chlorobenzene	50.0	48.8		ug/Kg		98	70 - 130	1	20
Chloroethane	50.0	45.0		ug/Kg		90	65 - 130	0	20
Chloroform	50.0	51.3		ug/Kg		103	77 - 127	1	20
Chloromethane	50.0	42.6		ug/Kg		85	55 - 140	2	20
2-Chlorotoluene	50.0	48.3		ug/Kg		97	70 - 138	0	20
4-Chlorotoluene	50.0	47.2		ug/Kg		94	70 - 136	0	20
Chlorodibromomethane	50.0	61.5		ug/Kg		123	70 - 146	1	20
1,2-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 130	0	20
1,3-Dichlorobenzene	50.0	49.7		ug/Kg		99	70 - 131	1	20
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	70 - 130	1	20
1,3-Dichloropropane	50.0	52.5		ug/Kg		105	70 - 140	3	20
1,1-Dichloropropene	50.0	51.7		ug/Kg		103	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	54.5		ug/Kg		109	60 - 145	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119940/3-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	50.0	57.1		ug/Kg		114	70 - 140	2	20
Dibromomethane	50.0	53.1		ug/Kg		106	70 - 139	2	20
Dichlorodifluoromethane	50.0	34.7		ug/Kg		69	37 - 158	2	20
1,1-Dichloroethane	50.0	49.5		ug/Kg		99	70 - 130	1	20
1,2-Dichloroethane	50.0	53.9		ug/Kg		108	70 - 130	2	20
1,1-Dichloroethene	50.0	50.6		ug/Kg		101	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	52.4		ug/Kg		105	70 - 138	1	20
trans-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	67 - 130	2	20
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	73 - 127	0	20
cis-1,3-Dichloropropene	50.0	60.8		ug/Kg		122	68 - 147	2	20
trans-1,3-Dichloropropene	50.0	59.6		ug/Kg		119	70 - 136	1	20
Ethylbenzene	50.0	46.7		ug/Kg		93	80 - 137	2	20
Hexachlorobutadiene	50.0	49.4		ug/Kg		99	70 - 132	1	20
2-Hexanone	250	237		ug/Kg		95	44 - 133	2	20
Isopropylbenzene	50.0	51.1		ug/Kg		102	88 - 128	1	20
4-Isopropyltoluene	50.0	46.4		ug/Kg		93	70 - 133	1	20
Methylene Chloride	50.0	52.4		ug/Kg		105	70 - 134	0	20
4-Methyl-2-pentanone (MIBK)	250	273		ug/Kg		109	60 - 160	1	20
Naphthalene	50.0	53.0		ug/Kg		106	60 - 147	0	20
N-Propylbenzene	50.0	47.2		ug/Kg		94	70 - 130	0	20
Styrene	50.0	54.2		ug/Kg		108	70 - 130	0	20
1,1,1,2-Tetrachloroethane	50.0	55.2		ug/Kg		110	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/Kg		101	70 - 146	0	20
Tetrachloroethene	50.0	53.5		ug/Kg		107	70 - 132	1	20
Toluene	50.0	46.5		ug/Kg		93	80 - 128	0	20
1,2,3-Trichlorobenzene	50.0	50.2		ug/Kg		100	60 - 140	0	20
1,2,4-Trichlorobenzene	50.0	50.8		ug/Kg		102	60 - 140	0	20
1,1,1-Trichloroethane	50.0	53.8		ug/Kg		108	70 - 130	2	20
1,1,2-Trichloroethane	50.0	57.0		ug/Kg		114	70 - 130	1	20
Trichloroethene	50.0	52.6		ug/Kg		105	70 - 133	0	20
Trichlorofluoromethane	50.0	46.3		ug/Kg		93	60 - 140	1	20
1,2,3-Trichloropropane	50.0	53.5		ug/Kg		107	70 - 146	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.6		ug/Kg		103	60 - 140	0	20
1,2,4-Trimethylbenzene	50.0	47.2		ug/Kg		94	70 - 130	0	20
1,3,5-Trimethylbenzene	50.0	48.1		ug/Kg		96	70 - 131	0	20
Vinyl acetate	50.0	55.2		ug/Kg		110	38 - 176	1	20
Vinyl chloride	50.0	43.5		ug/Kg		87	58 - 125	2	20
m-Xylene & p-Xylene	100	93.2		ug/Kg		93	70 - 146	0	20
o-Xylene	50.0	49.2		ug/Kg		98	70 - 140	1	20
2,2-Dichloropropane	50.0	54.3		ug/Kg		109	70 - 162	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-119940/5-A
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 119940

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	967		ug/Kg		97	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Lab Sample ID: 720-44229-1 MS
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: SB-39-5.0
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		50.7	57.3		ug/Kg		113	69 - 130
Acetone	ND		253	187		ug/Kg		74	37 - 150
Benzene	ND		50.7	51.4		ug/Kg		101	70 - 130
Dichlorobromomethane	ND		50.7	60.7		ug/Kg		120	64 - 135
Bromobenzene	ND		50.7	54.6		ug/Kg		108	70 - 130
Chlorobromomethane	ND		50.7	54.6		ug/Kg		108	65 - 130
Bromoform	ND		50.7	52.1		ug/Kg		103	58 - 132
Bromomethane	ND		50.7	41.2		ug/Kg		81	56 - 130
2-Butanone (MEK)	ND		253	218		ug/Kg		86	41 - 150
n-Butylbenzene	ND		50.7	53.0		ug/Kg		105	60 - 145
sec-Butylbenzene	ND		50.7	52.7		ug/Kg		104	64 - 137
tert-Butylbenzene	ND		50.7	56.1		ug/Kg		111	63 - 134
Carbon disulfide	ND		50.7	59.0		ug/Kg		116	10 - 150
Carbon tetrachloride	ND		50.7	58.2		ug/Kg		115	54 - 130
Chlorobenzene	ND		50.7	52.3		ug/Kg		103	70 - 130
Chloroethane	ND		50.7	40.3		ug/Kg		80	61 - 130
Chloroform	ND		50.7	55.0		ug/Kg		109	67 - 130
Chloromethane	ND		50.7	37.7		ug/Kg		74	50 - 131
2-Chlorotoluene	ND		50.7	53.7		ug/Kg		106	70 - 130
4-Chlorotoluene	ND		50.7	52.3		ug/Kg		103	70 - 130
Chlorodibromomethane	ND		50.7	62.6		ug/Kg		124	60 - 141
1,2-Dichlorobenzene	ND		50.7	52.4		ug/Kg		103	70 - 130
1,3-Dichlorobenzene	ND		50.7	53.7		ug/Kg		106	70 - 130
1,4-Dichlorobenzene	ND		50.7	52.7		ug/Kg		104	70 - 130
1,3-Dichloropropane	ND		50.7	54.6		ug/Kg		108	70 - 130
1,1-Dichloropropene	ND		50.7	56.6		ug/Kg		112	67 - 130
1,2-Dibromo-3-Chloropropane	ND		50.7	50.0		ug/Kg		99	57 - 130
Ethylene Dibromide	ND		50.7	57.7		ug/Kg		114	66 - 135
Dibromomethane	ND		50.7	54.6		ug/Kg		108	65 - 131
Dichlorodifluoromethane	ND		50.7	29.9		ug/Kg		59	38 - 130
1,1-Dichloroethane	ND		50.7	53.8		ug/Kg		106	67 - 130
1,2-Dichloroethane	ND		50.7	56.6		ug/Kg		112	70 - 130
1,1-Dichloroethene	ND		50.7	54.8		ug/Kg		108	64 - 130
cis-1,2-Dichloroethene	ND		50.7	56.6		ug/Kg		112	68 - 131
trans-1,2-Dichloroethene	ND		50.7	55.5		ug/Kg		109	70 - 130
1,2-Dichloropropane	ND		50.7	53.5		ug/Kg		106	65 - 133

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44229-1 MS
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: SB-39-5.0
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	ND		50.7	63.2		ug/Kg		125	46 - 139
trans-1,3-Dichloropropene	ND		50.7	60.5		ug/Kg		119	55 - 131
Ethylbenzene	ND		50.7	51.1		ug/Kg		101	65 - 130
Hexachlorobutadiene	ND		50.7	48.4		ug/Kg		96	58 - 132
2-Hexanone	ND		253	222		ug/Kg		88	44 - 150
Isopropylbenzene	ND		50.7	55.6		ug/Kg		110	65 - 130
4-Isopropyltoluene	ND		50.7	53.0		ug/Kg		105	69 - 134
Methylene Chloride	ND		50.7	56.0		ug/Kg		111	63 - 130
4-Methyl-2-pentanone (MIBK)	ND		253	259		ug/Kg		102	51 - 140
Naphthalene	ND		50.7	41.7		ug/Kg		82	45 - 146
N-Propylbenzene	ND		50.7	54.0		ug/Kg		107	70 - 130
Styrene	ND		50.7	56.5		ug/Kg		111	58 - 135
1,1,1,2-Tetrachloroethane	ND		50.7	58.2		ug/Kg		115	64 - 133
1,1,2,2-Tetrachloroethane	ND		50.7	52.4		ug/Kg		103	70 - 131
Tetrachloroethene	7.1		50.7	66.3		ug/Kg		117	67 - 130
Toluene	ND		50.7	51.2		ug/Kg		101	70 - 130
1,2,3-Trichlorobenzene	ND		50.7	39.9		ug/Kg		79	58 - 138
1,2,4-Trichlorobenzene	ND		50.7	44.4		ug/Kg		88	49 - 144
1,1,1-Trichloroethane	ND		50.7	58.1		ug/Kg		115	57 - 133
1,1,2-Trichloroethane	ND		50.7	57.5		ug/Kg		113	68 - 132
Trichloroethene	ND		50.7	59.2		ug/Kg		113	66 - 130
Trichlorofluoromethane	ND		50.7	42.0		ug/Kg		83	61 - 130
1,2,3-Trichloropropane	ND		50.7	55.4		ug/Kg		109	62 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.7	55.5		ug/Kg		109	52 - 130
1,2,4-Trimethylbenzene	ND		50.7	53.3		ug/Kg		105	64 - 140
1,3,5-Trimethylbenzene	ND		50.7	54.3		ug/Kg		107	67 - 134
J/A Vinyl acetate	ND		50.7	ND	F	ug/Kg		42	52 - 150
Vinyl chloride	ND		50.7	40.2		ug/Kg		79	62 - 130
m-Xylene & p-Xylene	ND		101	103		ug/Kg		101	70 - 130
o-Xylene	ND		50.7	53.3		ug/Kg		105	68 - 130
2,2-Dichloropropane	ND		50.7	61.1		ug/Kg		121	63 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: 720-44229-1 MSD
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: SB-39-5.0
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		47.7	52.8		ug/Kg		111	69 - 130	8	20
Acetone	ND		238	163		ug/Kg		68	37 - 150	14	20
Benzene	ND		47.7	49.1		ug/Kg		103	70 - 130	5	20
Dichlorobromomethane	ND		47.7	56.0		ug/Kg		117	64 - 135	8	20
Bromobenzene	ND		47.7	53.5		ug/Kg		112	70 - 130	2	20
Chlorobromomethane	ND		47.7	51.3		ug/Kg		108	65 - 130	6	20
Bromoform	ND		47.7	48.0		ug/Kg		101	58 - 132	8	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44229-1 MSD
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: SB-39-5.0
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		47.7	46.7		ug/Kg		98	56 - 130	12	20
2-Butanone (MEK)	ND		238	185		ug/Kg		78	41 - 150	16	20
n-Butylbenzene	ND		47.7	52.5		ug/Kg		110	60 - 145	1	20
sec-Butylbenzene	ND		47.7	53.5		ug/Kg		112	64 - 137	2	20
tert-Butylbenzene	ND		47.7	57.8		ug/Kg		121	63 - 134	3	20
Carbon disulfide	ND		47.7	57.9		ug/Kg		122	10 - 150	2	20
Carbon tetrachloride	ND		47.7	57.3		ug/Kg		120	54 - 130	2	20
Chlorobenzene	ND		47.7	49.7		ug/Kg		104	70 - 130	5	20
Chloroethane	ND		47.7	46.2		ug/Kg		97	61 - 130	13	20
Chloroform	ND		47.7	52.5		ug/Kg		110	67 - 130	5	20
Chloromethane	ND		47.7	41.0		ug/Kg		86	50 - 131	9	20
2-Chlorotoluene	ND		47.7	54.1		ug/Kg		113	70 - 130	1	20
4-Chlorotoluene	ND		47.7	52.4		ug/Kg		110	70 - 130	0	20
Chlorodibromomethane	ND		47.7	58.0		ug/Kg		122	60 - 141	8	20
1,2-Dichlorobenzene	ND		47.7	50.5		ug/Kg		106	70 - 130	4	20
1,3-Dichlorobenzene	ND		47.7	51.9		ug/Kg		109	70 - 130	3	20
1,4-Dichlorobenzene	ND		47.7	51.8		ug/Kg		109	70 - 130	2	20
1,3-Dichloropropane	ND		47.7	50.3		ug/Kg		106	70 - 130	8	20
1,1-Dichloropropene	ND		47.7	54.9		ug/Kg		115	67 - 130	3	20
1,2-Dibromo-3-Chloropropane	ND		47.7	48.9		ug/Kg		103	57 - 130	2	20
Ethylene Dibromide	ND		47.7	53.6		ug/Kg		113	66 - 135	7	20
Dibromomethane	ND		47.7	51.2		ug/Kg		107	65 - 131	6	20
Dichlorodifluoromethane	ND		47.7	34.3		ug/Kg		72	38 - 130	14	20
1,1-Dichloroethane	ND		47.7	51.0		ug/Kg		107	67 - 130	5	20
1,2-Dichloroethane	ND		47.7	52.5		ug/Kg		110	70 - 130	7	20
1,1-Dichloroethene	ND		47.7	52.8		ug/Kg		111	64 - 130	4	20
cis-1,2-Dichloroethene	ND		47.7	53.9		ug/Kg		113	68 - 131	5	20
trans-1,2-Dichloroethene	ND		47.7	53.3		ug/Kg		112	70 - 130	4	20
1,2-Dichloropropane	ND		47.7	51.1		ug/Kg		107	65 - 133	5	20
cis-1,3-Dichloropropene	ND		47.7	59.4		ug/Kg		125	46 - 139	6	20
trans-1,3-Dichloropropene	ND		47.7	56.6		ug/Kg		119	55 - 131	7	20
Ethylbenzene	ND		47.7	49.7		ug/Kg		104	65 - 130	3	20
Hexachlorobutadiene	ND		47.7	48.7		ug/Kg		102	58 - 132	1	20
2-Hexanone	ND		238	197		ug/Kg		83	44 - 150	12	20
Isopropylbenzene	ND		47.7	54.1		ug/Kg		113	65 - 130	3	20
4-Isopropyltoluene	ND		47.7	53.9		ug/Kg		113	69 - 134	2	20
Methylene Chloride	ND		47.7	52.5		ug/Kg		110	63 - 130	7	20
4-Methyl-2-pentanone (MIBK)	ND		238	233		ug/Kg		98	51 - 140	11	20
Naphthalene	ND		47.7	38.7		ug/Kg		81	45 - 146	8	20
N-Propylbenzene	ND		47.7	55.0		ug/Kg		115	70 - 130	2	20
Styrene	ND		47.7	54.0		ug/Kg		113	58 - 135	5	20
1,1,1,2-Tetrachloroethane	ND		47.7	56.4		ug/Kg		118	64 - 133	3	20
1,1,2,2-Tetrachloroethane	ND		47.7	51.1		ug/Kg		107	70 - 131	3	20
Tetrachloroethene	7.1		47.7	63.8		ug/Kg		119	67 - 130	4	20
Toluene	ND		47.7	49.7		ug/Kg		104	70 - 130	3	20
1,2,3-Trichlorobenzene	ND		47.7	37.5		ug/Kg		79	58 - 138	6	20
1,2,4-Trichlorobenzene	ND		47.7	42.4		ug/Kg		89	49 - 144	5	20
1,1,1-Trichloroethane	ND		47.7	56.8		ug/Kg		119	57 - 133	2	20
1,1,2-Trichloroethane	ND		47.7	53.4		ug/Kg		112	68 - 132	7	20
Trichloroethene	ND		47.7	56.5		ug/Kg		115	66 - 130	5	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44229-1 MSD
Matrix: Solid
Analysis Batch: 119920

Client Sample ID: SB-39-5.0
Prep Type: Total/NA
Prep Batch: 119940

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		47.7	48.5		ug/Kg		102	61 - 130	14	20
1,2,3-Trichloropropane	ND		47.7	53.9		ug/Kg		113	62 - 150	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47.7	55.1		ug/Kg		116	52 - 130	1	20
1,2,4-Trimethylbenzene	ND		47.7	53.3		ug/Kg		112	64 - 140	0	20
1,3,5-Trimethylbenzene	ND		47.7	54.8		ug/Kg		115	67 - 134	1	20
Vinyl acetate	ND		47.7	ND	F	ug/Kg		37	52 - 150	21	20
Vinyl chloride	ND		47.7	42.2		ug/Kg		89	62 - 130	5	20
m-Xylene & p-Xylene	ND		95.3	99.0		ug/Kg		104	70 - 130	4	20
o-Xylene	ND		47.7	51.0		ug/Kg		107	68 - 130	4	20
2,2-Dichloropropane	ND		47.7	60.2		ug/Kg		126	63 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

GC/MS VOA

Analysis Batch: 119920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44229-1	SB-39-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-1 MS	SB-39-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-1 MSD	SB-39-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-2	SB-39-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-3	SB-38-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-4	SB-38-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-5	SB-41-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-6	SB-40-5.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-7	SB-41-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
720-44229-8	SB-40-10.0	Total/NA	Solid	8260B/CA_LUFT MS	119940
LCS 720-119940/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119940
LCS 720-119940/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	119940
LCSD 720-119940/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119940
LCSD 720-119940/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	119940
MB 720-119940/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	119940

Prep Batch: 119940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44229-1	SB-39-5.0	Total/NA	Solid	5035	
720-44229-1 MS	SB-39-5.0	Total/NA	Solid	5035	
720-44229-1 MSD	SB-39-5.0	Total/NA	Solid	5035	
720-44229-2	SB-39-10.0	Total/NA	Solid	5035	
720-44229-3	SB-38-5.0	Total/NA	Solid	5035	
720-44229-4	SB-38-10.0	Total/NA	Solid	5035	
720-44229-5	SB-41-5.0	Total/NA	Solid	5035	
720-44229-6	SB-40-5.0	Total/NA	Solid	5035	
720-44229-7	SB-41-10.0	Total/NA	Solid	5035	
720-44229-8	SB-40-10.0	Total/NA	Solid	5035	
LCS 720-119940/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-119940/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-119940/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-119940/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-119940/1-A	Method Blank	Total/NA	Solid	5035	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Client Sample ID: SB-39-5.0

Lab Sample ID: 720-44229-1

Date Collected: 08/28/12 10:00
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/28/12 23:10	AC	TAL SF

Client Sample ID: SB-39-10.0

Lab Sample ID: 720-44229-2

Date Collected: 08/28/12 10:05
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 00:43	AC	TAL SF

Client Sample ID: SB-38-5.0

Lab Sample ID: 720-44229-3

Date Collected: 08/28/12 11:00
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 01:15	AC	TAL SF

Client Sample ID: SB-38-10.0

Lab Sample ID: 720-44229-4

Date Collected: 08/28/12 11:05
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 01:47	AC	TAL SF

Client Sample ID: SB-41-5.0

Lab Sample ID: 720-44229-5

Date Collected: 08/28/12 14:55
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 02:17	AC	TAL SF

Client Sample ID: SB-40-5.0

Lab Sample ID: 720-44229-6

Date Collected: 08/28/12 15:10
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 02:48	AC	TAL SF

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Client Sample ID: SB-41-10.0

Lab Sample ID: 720-44229-7

Date Collected: 08/28/12 15:15
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 03:19	AC	TAL SF

Client Sample ID: SB-40-10.0

Lab Sample ID: 720-44229-8

Date Collected: 08/28/12 15:20
Date Received: 08/28/12 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			119940	08/28/12 20:25	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	119920	08/29/12 03:50	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

10

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44229-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44229-1	SB-39-5.0	Solid	08/28/12 10:00	08/28/12 15:50
720-44229-2	SB-39-10.0	Solid	08/28/12 10:05	08/28/12 15:50
720-44229-3	SB-38-5.0	Solid	08/28/12 11:00	08/28/12 15:50
720-44229-4	SB-38-10.0	Solid	08/28/12 11:05	08/28/12 15:50
720-44229-5	SB-41-5.0	Solid	08/28/12 14:55	08/28/12 15:50
720-44229-6	SB-40-5.0	Solid	08/28/12 15:10	08/28/12 15:50
720-44229-7	SB-41-10.0	Solid	08/28/12 15:15	08/28/12 15:50
720-44229-8	SB-40-10.0	Solid	08/28/12 15:20	08/28/12 15:50

13

720.44229

140435

OAK 17387

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevy

PROJECT NUMBER: 0D1016.0070.00002

RESULTS TO: Avery.Patton@amec.com

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD: Courier

LABORATORY NAME: Test America

LABORATORY ADDRESS: 1220 Quarry Ln Pleasanton, CA

LABORATORY CONTACT: Afsaneh

LABORATORY PHONE NUMBER: 925-484-1919

CLIENT INFORMATION: AMEC

DATE: 8/28/12

PAGE OF

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO. T10000016166

SAMPLERS (SIGNATURE):

4.8°c

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOCs+TPHg (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/28/12	1000	SB-39-5.0	X	VOAs	S	N	MeOH	Y	Y	9	MS/MSD
	1005	SB-39-10.0	X		S	N	MeOH	Y	N	3	
	1100	SB-38-5.0	X		S	N	MeOH	Y	N	3	
	1105	SB-38-10.0	X		S	N	MeOH	Y	N	3	
	1455	SB-41-5.0	X		S	N	MeOH	Y	N	3	
	1510	SB-40-5.0	X		S	N	MeOH	Y	N	3	
	1515	SB-41-10.0	X		S	N	MeOH	Y	N	3	
	1520	SB-40-10.0	X		S	N	MeOH	Y	N	3	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: Hedy Young COMPANY:	8/28/12	1525	SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1530
SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	8/28/12	1550	SIGNATURE: [signature] PRINTED NAME: [signature] COMPANY: TASF	8/28/12	1550
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44229-1

Login Number: 44229
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44238-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/30/2012 2:27:11 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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Total Access

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Ask The Expert

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44238-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44238-1

Revised The case narrative on 9/19/12.

Comments

No additional comments.

Receipt

The samples were received on 8/29/2012 3:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample720- 44238-1(SB-40) and 720-44238-2 (SB-41is due to the presence of discrete peak PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Client Sample ID: SB-40 — Lab Sample ID: 720-44238-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	160		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	130	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-41 — Lab Sample ID: 720-44238-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	53		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	62	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: TB-2 — Lab Sample ID: 720-44238-3

No Detections

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-40
Date Collected: 08/29/12 07:40
Date Received: 08/29/12 15:35

Lab Sample ID: 720-44238-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 22:52	1
Acetone	ND		50 UJ		ug/L			08/29/12 22:52	1
Benzene	ND		0.50		ug/L			08/29/12 22:52	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 22:52	1
Bromobenzene	ND		1.0		ug/L			08/29/12 22:52	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 22:52	1
Bromoform	ND		1.0		ug/L			08/29/12 22:52	1
Bromomethane	ND		1.0		ug/L			08/29/12 22:52	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 22:52	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 22:52	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 22:52	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 22:52	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 22:52	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 22:52	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 22:52	1
Chloroethane	ND		1.0		ug/L			08/29/12 22:52	1
Chloroform	ND		1.0		ug/L			08/29/12 22:52	1
Chloromethane	ND		1.0		ug/L			08/29/12 22:52	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 22:52	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 22:52	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 22:52	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:52	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:52	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:52	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 22:52	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 22:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 22:52	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 22:52	1
Dibromomethane	ND		0.50		ug/L			08/29/12 22:52	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 22:52	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 22:52	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 22:52	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 22:52	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 22:52	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 22:52	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 22:52	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 22:52	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 22:52	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 22:52	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 22:52	1
2-Hexanone	ND		50		ug/L			08/29/12 22:52	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 22:52	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 22:52	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 22:52	1
Naphthalene	ND		1.0		ug/L			08/29/12 22:52	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 22:52	1
Styrene	ND		0.50		ug/L			08/29/12 22:52	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 22:52	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 22:52	1
Tetrachloroethene	**160**		0.50		ug/L			08/29/12 22:52	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-40 — **Lab Sample ID: 720-44238-1**
Date Collected: 08/29/12 07:40 — **Matrix: Water**
Date Received: 08/29/12 15:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 22:52	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 22:52	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 22:52	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 22:52	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 22:52	1
Trichloroethene	ND		0.50		ug/L			08/29/12 22:52	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 22:52	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 22:52	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 22:52	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 22:52	1
Vinyl acetate	ND		10		ug/L			08/29/12 22:52	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 22:52	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 22:52	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 22:52	1
Gasoline Range Organics (GRO) -C5-C12	**130**	R	50		ug/L			08/29/12 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*08/29/12 22:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*08/29/12 22:52*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/29/12 22:52*	*1*

Client Sample ID: SB-41 — **Lab Sample ID: 720-44238-2**
Date Collected: 08/29/12 08:10 — **Matrix: Water**
Date Received: 08/29/12 15:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 23:24	1
Acetone	ND		50 UJ		ug/L			08/29/12 23:24	1
Benzene	ND		0.50		ug/L			08/29/12 23:24	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 23:24	1
Bromobenzene	ND		1.0		ug/L			08/29/12 23:24	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 23:24	1
Bromoform	ND		1.0		ug/L			08/29/12 23:24	1
Bromomethane	ND		1.0		ug/L			08/29/12 23:24	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 23:24	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 23:24	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 23:24	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 23:24	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 23:24	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 23:24	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 23:24	1
Chloroethane	ND		1.0		ug/L			08/29/12 23:24	1
Chloroform	ND		1.0		ug/L			08/29/12 23:24	1
Chloromethane	ND		1.0		ug/L			08/29/12 23:24	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 23:24	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 23:24	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 23:24	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 23:24	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 23:24	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 23:24	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 23:24	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-41
Date Collected: 08/29/12 08:10
Date Received: 08/29/12 15:35

Lab Sample ID: 720-44238-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 23:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 23:24	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 23:24	1
Dibromomethane	ND		0.50		ug/L			08/29/12 23:24	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 23:24	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 23:24	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 23:24	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 23:24	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 23:24	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 23:24	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 23:24	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 23:24	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 23:24	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 23:24	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 23:24	1
2-Hexanone	ND		50		ug/L			08/29/12 23:24	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 23:24	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 23:24	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 23:24	1
Naphthalene	ND		1.0		ug/L			08/29/12 23:24	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 23:24	1
Styrene	ND		0.50		ug/L			08/29/12 23:24	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 23:24	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 23:24	1
Tetrachloroethene	**53**		0.50		ug/L			08/29/12 23:24	1
Toluene	ND		0.50		ug/L			08/29/12 23:24	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 23:24	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 23:24	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 23:24	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 23:24	1
Trichloroethene	ND		0.50		ug/L			08/29/12 23:24	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 23:24	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 23:24	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 23:24	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 23:24	1
Vinyl acetate	ND		10		ug/L			08/29/12 23:24	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 23:24	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 23:24	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 23:24	1
Gasoline Range Organics (GRO) -C5-C12	**62**	R	50		ug/L			08/29/12 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*08/29/12 23:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*08/29/12 23:24*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/29/12 23:24*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: TB-2
Date Collected: 08/29/12 08:20
Date Received: 08/29/12 15:35

Lab Sample ID: 720-44238-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 22:21	1
Acetone	ND		50 UJ		ug/L			08/29/12 22:21	1
Benzene	ND		0.50		ug/L			08/29/12 22:21	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 22:21	1
Bromobenzene	ND		1.0		ug/L			08/29/12 22:21	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 22:21	1
Bromoform	ND		1.0		ug/L			08/29/12 22:21	1
Bromomethane	ND		1.0		ug/L			08/29/12 22:21	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 22:21	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 22:21	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 22:21	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 22:21	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 22:21	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 22:21	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 22:21	1
Chloroethane	ND		1.0		ug/L			08/29/12 22:21	1
Chloroform	ND		1.0		ug/L			08/29/12 22:21	1
Chloromethane	ND		1.0		ug/L			08/29/12 22:21	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 22:21	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 22:21	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 22:21	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:21	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:21	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 22:21	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 22:21	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 22:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 22:21	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 22:21	1
Dibromomethane	ND		0.50		ug/L			08/29/12 22:21	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 22:21	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 22:21	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 22:21	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 22:21	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 22:21	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 22:21	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 22:21	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 22:21	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 22:21	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 22:21	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 22:21	1
2-Hexanone	ND		50		ug/L			08/29/12 22:21	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 22:21	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 22:21	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 22:21	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 22:21	1
Naphthalene	ND		1.0		ug/L			08/29/12 22:21	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 22:21	1
Styrene	ND		0.50		ug/L			08/29/12 22:21	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 22:21	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 22:21	1
Tetrachloroethene	ND		0.50		ug/L			08/29/12 22:21	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB-2
Date Collected: 08/29/12 08:20
Date Received: 08/29/12 15:35

Lab Sample ID: 720-44238-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/29/12 22:21	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 22:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 22:21	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 22:21	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 22:21	1
Trichloroethene	ND		0.50		ug/L			08/29/12 22:21	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 22:21	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 22:21	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 22:21	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 22:21	1
Vinyl acetate	ND		10		ug/L			08/29/12 22:21	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 22:21	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 22:21	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*08/29/12 22:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*08/29/12 22:21*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*08/29/12 22:21*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120003/4
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/29/12 19:47	1
Acetone	ND		50		ug/L			08/29/12 19:47	1
Benzene	ND		0.50		ug/L			08/29/12 19:47	1
Dichlorobromomethane	ND		0.50		ug/L			08/29/12 19:47	1
Bromobenzene	ND		1.0		ug/L			08/29/12 19:47	1
Chlorobromomethane	ND		1.0		ug/L			08/29/12 19:47	1
Bromoform	ND		1.0		ug/L			08/29/12 19:47	1
Bromomethane	ND		1.0		ug/L			08/29/12 19:47	1
2-Butanone (MEK)	ND		50		ug/L			08/29/12 19:47	1
n-Butylbenzene	ND		1.0		ug/L			08/29/12 19:47	1
sec-Butylbenzene	ND		1.0		ug/L			08/29/12 19:47	1
tert-Butylbenzene	ND		1.0		ug/L			08/29/12 19:47	1
Carbon disulfide	ND		5.0		ug/L			08/29/12 19:47	1
Carbon tetrachloride	ND		0.50		ug/L			08/29/12 19:47	1
Chlorobenzene	ND		0.50		ug/L			08/29/12 19:47	1
Chloroethane	ND		1.0		ug/L			08/29/12 19:47	1
Chloroform	ND		1.0		ug/L			08/29/12 19:47	1
Chloromethane	ND		1.0		ug/L			08/29/12 19:47	1
2-Chlorotoluene	ND		0.50		ug/L			08/29/12 19:47	1
4-Chlorotoluene	ND		0.50		ug/L			08/29/12 19:47	1
Chlorodibromomethane	ND		0.50		ug/L			08/29/12 19:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/29/12 19:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/29/12 19:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/29/12 19:47	1
1,3-Dichloropropane	ND		1.0		ug/L			08/29/12 19:47	1
1,1-Dichloropropene	ND		0.50		ug/L			08/29/12 19:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/29/12 19:47	1
Ethylene Dibromide	ND		0.50		ug/L			08/29/12 19:47	1
Dibromomethane	ND		0.50		ug/L			08/29/12 19:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/29/12 19:47	1
1,1-Dichloroethane	ND		0.50		ug/L			08/29/12 19:47	1
1,2-Dichloroethane	ND		0.50		ug/L			08/29/12 19:47	1
1,1-Dichloroethene	ND		0.50		ug/L			08/29/12 19:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 19:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/29/12 19:47	1
1,2-Dichloropropane	ND		0.50		ug/L			08/29/12 19:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 19:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/29/12 19:47	1
Ethylbenzene	ND		0.50		ug/L			08/29/12 19:47	1
Hexachlorobutadiene	ND		1.0		ug/L			08/29/12 19:47	1
2-Hexanone	ND		50		ug/L			08/29/12 19:47	1
Isopropylbenzene	ND		0.50		ug/L			08/29/12 19:47	1
4-Isopropyltoluene	ND		1.0		ug/L			08/29/12 19:47	1
Methylene Chloride	ND		5.0		ug/L			08/29/12 19:47	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/29/12 19:47	1
Naphthalene	ND		1.0		ug/L			08/29/12 19:47	1
N-Propylbenzene	ND		1.0		ug/L			08/29/12 19:47	1
Styrene	ND		0.50		ug/L			08/29/12 19:47	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 19:47	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120003/4
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/29/12 19:47	1
Tetrachloroethene	ND		0.50		ug/L			08/29/12 19:47	1
Toluene	ND		0.50		ug/L			08/29/12 19:47	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/29/12 19:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/29/12 19:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/29/12 19:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/29/12 19:47	1
Trichloroethene	ND		0.50		ug/L			08/29/12 19:47	1
Trichlorofluoromethane	ND		1.0		ug/L			08/29/12 19:47	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/29/12 19:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/29/12 19:47	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/29/12 19:47	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/29/12 19:47	1
Vinyl acetate	ND		10		ug/L			08/29/12 19:47	1
Vinyl chloride	ND		0.50		ug/L			08/29/12 19:47	1
Xylenes, Total	ND		1.0		ug/L			08/29/12 19:47	1
2,2-Dichloropropane	ND		0.50		ug/L			08/29/12 19:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/29/12 19:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*08/29/12 19:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*08/29/12 19:47*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*08/29/12 19:47*	*1*

Lab Sample ID: LCS 720-120003/5
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	28.6		ug/L		115	62 - 130
Acetone	125	104		ug/L		83	26 - 180
Benzene	25.0	26.0		ug/L		104	79 - 130
Dichlorobromomethane	25.0	29.4		ug/L		118	70 - 130
Bromobenzene	25.0	26.8		ug/L		107	70 - 130
Chlorobromomethane	25.0	27.2		ug/L		109	70 - 130
Bromoform	25.0	25.6		ug/L		102	68 - 136
Bromomethane	25.0	23.8		ug/L		95	43 - 151
2-Butanone (MEK)	125	117		ug/L		94	54 - 130
n-Butylbenzene	25.0	26.3		ug/L		105	70 - 142
sec-Butylbenzene	25.0	26.2		ug/L		105	70 - 134
tert-Butylbenzene	25.0	28.2		ug/L		113	70 - 135
Carbon disulfide	25.0	31.0		ug/L		124	58 - 130
Carbon tetrachloride	25.0	29.2		ug/L		117	70 - 146
Chlorobenzene	25.0	26.2		ug/L		105	70 - 130
Chloroethane	25.0	23.2		ug/L		93	62 - 138
Chloroform	25.0	27.5		ug/L		110	70 - 130
Chloromethane	25.0	23.1		ug/L		93	52 - 175
2-Chlorotoluene	25.0	27.2		ug/L		109	70 - 130
4-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120003/5
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	30.8		ug/L		123	70 - 145
1,2-Dichlorobenzene	25.0	26.6		ug/L		107	70 - 130
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	70 - 130
1,4-Dichlorobenzene	25.0	26.9		ug/L		107	70 - 130
1,3-Dichloropropane	25.0	27.4		ug/L		110	70 - 130
1,1-Dichloropropene	25.0	28.6		ug/L		114	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.0		ug/L		104	70 - 136
Ethylene Dibromide	25.0	29.1		ug/L		116	70 - 130
Dibromomethane	25.0	27.7		ug/L		111	70 - 130
Dichlorodifluoromethane	25.0	20.6		ug/L		82	34 - 132
1,1-Dichloroethane	25.0	27.5		ug/L		110	70 - 130
1,2-Dichloroethane	25.0	28.4		ug/L		114	61 - 132
1,1-Dichloroethene	25.0	27.8		ug/L		111	64 - 128
cis-1,2-Dichloroethene	25.0	28.8		ug/L		115	70 - 130
trans-1,2-Dichloroethene	25.0	28.0		ug/L		112	68 - 130
1,2-Dichloropropane	25.0	27.2		ug/L		109	70 - 130
cis-1,3-Dichloropropene	25.0	31.3		ug/L		125	70 - 130
trans-1,3-Dichloropropene	25.0	30.5		ug/L		122	70 - 140
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120
Hexachlorobutadiene	25.0	25.6		ug/L		102	70 - 130
2-Hexanone	125	118		ug/L		94	60 - 164
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130
4-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130
Methylene Chloride	25.0	29.4		ug/L		117	70 - 147
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	58 - 130
Naphthalene	25.0	26.1		ug/L		104	70 - 130
N-Propylbenzene	25.0	26.8		ug/L		107	70 - 130
Styrene	25.0	28.9		ug/L		116	70 - 130
1,1,1,2-Tetrachloroethane	25.0	29.3		ug/L		117	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.7		ug/L		107	70 - 130
Tetrachloroethene	25.0	28.5		ug/L		114	70 - 130
Toluene	25.0	25.6		ug/L		103	78 - 120
1,2,3-Trichlorobenzene	25.0	24.3		ug/L		97	70 - 130
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	70 - 130
1,1,2-Trichloroethane	25.0	28.9		ug/L		115	70 - 130
Trichloroethene	25.0	28.3		ug/L		113	70 - 130
Trichlorofluoromethane	25.0	24.1		ug/L		96	66 - 132
1,2,3-Trichloropropane	25.0	28.4		ug/L		114	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	27.9		ug/L		112	42 - 162
1,2,4-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 132
1,3,5-Trimethylbenzene	25.0	26.9		ug/L		108	70 - 130
Vinyl acetate	25.0	26.8		ug/L		107	43 - 163
Vinyl chloride	25.0	22.4		ug/L		90	54 - 135
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 142
o-Xylene	25.0	26.7		ug/L		107	70 - 130
2,2-Dichloropropane	25.0	30.4		ug/L		121	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120003/5
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 720-120003/7
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	520		ug/L		104	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-120003/6
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	28.4		ug/L		114	62 - 130	1	20
Acetone	125	97.3		ug/L		78	26 - 180	7	30
Benzene	25.0	26.3		ug/L		105	79 - 130	1	20
Dichlorobromomethane	25.0	30.7		ug/L		123	70 - 130	4	20
Bromobenzene	25.0	27.5		ug/L		110	70 - 130	2	20
Chlorobromomethane	25.0	27.0		ug/L		108	70 - 130	1	20
Bromoform	25.0	25.6		ug/L		102	68 - 136	0	20
Bromomethane	25.0	25.0		ug/L		100	43 - 151	5	20
2-Butanone (MEK)	125	109		ug/L		87	54 - 130	7	20
n-Butylbenzene	25.0	26.8		ug/L		107	70 - 142	2	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 134	2	20
tert-Butylbenzene	25.0	28.7		ug/L		115	70 - 135	2	20
Carbon disulfide	25.0	31.1		ug/L		125	58 - 130	1	20
Carbon tetrachloride	25.0	29.7		ug/L		119	70 - 146	2	20
Chlorobenzene	25.0	26.5		ug/L		106	70 - 130	1	20
Chloroethane	25.0	23.4		ug/L		94	62 - 138	1	20
Chloroform	25.0	27.8		ug/L		111	70 - 130	1	20
Chloromethane	25.0	24.5		ug/L		98	52 - 175	6	20
2-Chlorotoluene	25.0	27.6		ug/L		110	70 - 130	1	20
4-Chlorotoluene	25.0	26.7		ug/L		107	70 - 130	2	20
Chlorodibromomethane	25.0	30.9		ug/L		123	70 - 145	0	20
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	70 - 130	3	20
1,3-Dichlorobenzene	25.0	27.6		ug/L		110	70 - 130	2	20
1,4-Dichlorobenzene	25.0	27.5		ug/L		110	70 - 130	2	20
1,3-Dichloropropane	25.0	26.9		ug/L		108	70 - 130	2	20
1,1-Dichloropropene	25.0	28.4		ug/L		114	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	25.2		ug/L		101	70 - 136	3	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120003/6
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	28.4		ug/L		114	70 - 130	3	20
Dibromomethane	25.0	27.0		ug/L		108	70 - 130	3	20
Dichlorodifluoromethane	25.0	20.8		ug/L		83	34 - 132	1	20
1,1-Dichloroethane	25.0	27.5		ug/L		110	70 - 130	0	20
1,2-Dichloroethane	25.0	27.9		ug/L		112	61 - 132	2	20
1,1-Dichloroethene	25.0	28.1		ug/L		112	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	28.8		ug/L		115	70 - 130	0	20
trans-1,2-Dichloroethene	25.0	28.1		ug/L		112	68 - 130	0	20
1,2-Dichloropropane	25.0	27.6		ug/L		111	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	31.7		ug/L		127	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	30.5		ug/L		122	70 - 140	0	20
Ethylbenzene	25.0	25.7		ug/L		103	80 - 120	1	20
Hexachlorobutadiene	25.0	26.1		ug/L		104	70 - 130	2	20
2-Hexanone	125	112		ug/L		90	60 - 164	5	20
Isopropylbenzene	25.0	28.0		ug/L		112	70 - 130	1	20
4-Isopropyltoluene	25.0	26.7		ug/L		107	70 - 130	3	20
Methylene Chloride	25.0	29.4		ug/L		118	70 - 147	0	20
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	58 - 130	7	20
Naphthalene	25.0	26.3		ug/L		105	70 - 130	1	20
N-Propylbenzene	25.0	27.3		ug/L		109	70 - 130	2	20
Styrene	25.0	29.3		ug/L		117	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	29.4		ug/L		118	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	26.1		ug/L		104	70 - 130	2	20
Tetrachloroethene	25.0	28.7		ug/L		115	70 - 130	1	20
Toluene	25.0	25.8		ug/L		103	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	25.1		ug/L		100	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	70 - 130	3	20
1,1,1-Trichloroethane	25.0	29.4		ug/L		118	70 - 130	2	20
1,1,2-Trichloroethane	25.0	28.5		ug/L		114	70 - 130	1	20
Trichloroethene	25.0	28.2		ug/L		113	70 - 130	0	20
Trichlorofluoromethane	25.0	24.0		ug/L		96	66 - 132	1	20
1,2,3-Trichloropropane	25.0	27.2		ug/L		109	70 - 130	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.4		ug/L		114	42 - 162	2	20
1,2,4-Trimethylbenzene	25.0	26.8		ug/L		107	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	27.4		ug/L		110	70 - 130	2	20
Vinyl acetate	25.0	25.5		ug/L		102	43 - 163	5	20
Vinyl chloride	25.0	23.0		ug/L		92	54 - 135	3	20
m-Xylene & p-Xylene	50.0	51.2		ug/L		102	70 - 142	0	20
o-Xylene	25.0	27.2		ug/L		109	70 - 130	2	20
2,2-Dichloropropane	25.0	30.4		ug/L		121	70 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120003/8
Matrix: Water
Analysis Batch: 120003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	498		ug/L		100	62 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

GC/MS VOA

Analysis Batch: 120003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44238-1	SB-40	Total/NA	Water	8260B/CA_LUFT MS	
720-44238-2	SB-41	Total/NA	Water	8260B/CA_LUFT MS	
720-44238-3	TB-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120003/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120003/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120003/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120003/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120003/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Client Sample ID: SB-40

Lab Sample ID: 720-44238-1

Date Collected: 08/29/12 07:40
Date Received: 08/29/12 15:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120003	08/29/12 22:52	DH	TAL SF

Client Sample ID: SB-41

Lab Sample ID: 720-44238-2

Date Collected: 08/29/12 08:10
Date Received: 08/29/12 15:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120003	08/29/12 23:24	DH	TAL SF

Client Sample ID: TB-2

Lab Sample ID: 720-44238-3

Date Collected: 08/29/12 08:20
Date Received: 08/29/12 15:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120003	08/29/12 22:21	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44238-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44238-1	SB-40	Water	08/29/12 07:40	08/29/12 15:35
720-44238-2	SB-41	Water	08/29/12 08:10	08/29/12 15:35
720-44238-3	TB-2	Water	08/29/12 08:20	08/29/12 15:35

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CHAIN-OF-CUSTODY RECORD

OAK 17388

PROJECT NAME: Crown Chevrolet			DATE: / PAGE OF
PROJECT NUMBER: 801016c070.00002	LABORATORY NAME: Test America	CLIENT INFORMATION: AMEC	REPORTING REQUIREMENTS: 140452
RESULTS TO: Avery.Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln	720-44738	
TURNAROUND TIME: 24 HR RUSH	Pleasanton CA		
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: A. Sarah		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 925-484-1919		SITE SPECIFIC GLOBAL ID NO. T10000001616

SAMPLERS (SIGNATURE): Haely Young

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOCs+TPHg (8260B)	VOCs (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/29/12	0740	SB-40	X		VOAs	W	N	HCl	Y	N	3	24 HR TAT
↓	0810	SB-41	X		↓	W	N	HCl	Y	N	3	24 HR TAT
↓	0820	TB-2		X	↓	W	N	HCl	Y	N	3	Standard TAT

2.8°C

RUSH

try

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: Haely Young PRINTED NAME: Haely Young COMPANY:	8/30/12	1520	SIGNATURE: PRINTED NAME: T. Stitt COMPANY: TASF	8/29/12	1522
SIGNATURE: PRINTED NAME: T. Stitt COMPANY: TASF	8/29/12	1535	SIGNATURE: Karen Mullen PRINTED NAME: Mullen COMPANY: TASF	8/29/12	1535
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

8/30/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44238-1

Login Number: 44238
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44278-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/31/2012 3:57:50 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44278-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44278-1

Comments
No additional comments.

Receipt
The samples were received on 8/30/2012 5:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

Except:

Received Trip Blanks (3) not listed on the COC, (TAL-SF TB: 080712) logged on HOLD.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 120081 exceeded control limits for the following analytes: Carbon disulfide. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample(s) is due to the presence of discrete peaks: MW-01-(17-22)-GW (720-44278-1). Tetrachloroethene

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

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Client Sample ID: MW-01-(17-22)-GW — Lab Sample ID: 720-44278-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	150		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	1.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	150	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-02-(15-20)-GW — Lab Sample ID: 720-44278-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.60		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	18		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	9.2		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-01-(17-22)-GW
Date Collected: 08/30/12 11:55
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44278-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/30/12 22:49	1
Acetone	ND		50 UJ		ug/L			08/30/12 22:49	1
Benzene	ND		0.50		ug/L			08/30/12 22:49	1
Dichlorobromomethane	ND		0.50		ug/L			08/30/12 22:49	1
Bromobenzene	ND		1.0		ug/L			08/30/12 22:49	1
Chlorobromomethane	ND		1.0		ug/L			08/30/12 22:49	1
Bromoform	ND		1.0		ug/L			08/30/12 22:49	1
Bromomethane	ND		1.0		ug/L			08/30/12 22:49	1
2-Butanone (MEK)	ND		50		ug/L			08/30/12 22:49	1
n-Butylbenzene	ND		1.0		ug/L			08/30/12 22:49	1
sec-Butylbenzene	ND		1.0		ug/L			08/30/12 22:49	1
tert-Butylbenzene	ND		1.0		ug/L			08/30/12 22:49	1
Carbon disulfide	ND	*	5.0		ug/L			08/30/12 22:49	1
Carbon tetrachloride	ND		0.50		ug/L			08/30/12 22:49	1
Chlorobenzene	ND		0.50		ug/L			08/30/12 22:49	1
Chloroethane	ND		1.0		ug/L			08/30/12 22:49	1
Chloroform	ND		1.0		ug/L			08/30/12 22:49	1
Chloromethane	ND		1.0		ug/L			08/30/12 22:49	1
2-Chlorotoluene	ND		0.50		ug/L			08/30/12 22:49	1
4-Chlorotoluene	ND		0.50		ug/L			08/30/12 22:49	1
Chlorodibromomethane	ND		0.50		ug/L			08/30/12 22:49	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/30/12 22:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/30/12 22:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/30/12 22:49	1
1,3-Dichloropropane	ND		1.0		ug/L			08/30/12 22:49	1
1,1-Dichloropropene	ND		0.50		ug/L			08/30/12 22:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/30/12 22:49	1
Ethylene Dibromide	ND		0.50		ug/L			08/30/12 22:49	1
Dibromomethane	ND		0.50		ug/L			08/30/12 22:49	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/30/12 22:49	1
1,1-Dichloroethane	ND		0.50		ug/L			08/30/12 22:49	1
1,2-Dichloroethane	ND		0.50		ug/L			08/30/12 22:49	1
1,1-Dichloroethene	ND		0.50		ug/L			08/30/12 22:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/30/12 22:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/30/12 22:49	1
1,2-Dichloropropane	ND		0.50		ug/L			08/30/12 22:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 22:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 22:49	1
Ethylbenzene	ND		0.50		ug/L			08/30/12 22:49	1
Hexachlorobutadiene	ND		1.0		ug/L			08/30/12 22:49	1
2-Hexanone	ND		50		ug/L			08/30/12 22:49	1
Isopropylbenzene	ND		0.50		ug/L			08/30/12 22:49	1
4-Isopropyltoluene	ND		1.0		ug/L			08/30/12 22:49	1
Methylene Chloride	ND		5.0		ug/L			08/30/12 22:49	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/30/12 22:49	1
Naphthalene	ND		1.0		ug/L			08/30/12 22:49	1
N-Propylbenzene	ND		1.0		ug/L			08/30/12 22:49	1
Styrene	ND		0.50		ug/L			08/30/12 22:49	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 22:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 22:49	1
Tetrachloroethene	**150**		0.50		ug/L			08/30/12 22:49	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-01-(17-22)-GW
Date Collected: 08/30/12 11:55
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44278-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/30/12 22:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/30/12 22:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/30/12 22:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/30/12 22:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/30/12 22:49	1
Trichloroethene	**1.1**		0.50		ug/L			08/30/12 22:49	1
Trichlorofluoromethane	ND		1.0		ug/L			08/30/12 22:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/30/12 22:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/30/12 22:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/30/12 22:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/30/12 22:49	1
Vinyl acetate	ND		10		ug/L			08/30/12 22:49	1
Vinyl chloride	ND		0.50		ug/L			08/30/12 22:49	1
Xylenes, Total	ND		1.0		ug/L			08/30/12 22:49	1
2,2-Dichloropropane	ND		0.50		ug/L			08/30/12 22:49	1
Gasoline Range Organics (GRO) -C5-C12	**150**	R	50		ug/L			08/30/12 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*08/30/12 22:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*		*08/30/12 22:49*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/30/12 22:49*	*1*

Client Sample ID: MW-02-(15-20)-GW
Date Collected: 08/30/12 12:52
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44278-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/30/12 23:18	1
Acetone	ND		50 UJ		ug/L			08/30/12 23:18	1
Benzene	ND		0.50		ug/L			08/30/12 23:18	1
Dichlorobromomethane	ND		0.50		ug/L			08/30/12 23:18	1
Bromobenzene	ND		1.0		ug/L			08/30/12 23:18	1
Chlorobromomethane	ND		1.0		ug/L			08/30/12 23:18	1
Bromoform	ND		1.0		ug/L			08/30/12 23:18	1
Bromomethane	ND		1.0		ug/L			08/30/12 23:18	1
2-Butanone (MEK)	ND		50		ug/L			08/30/12 23:18	1
n-Butylbenzene	ND		1.0		ug/L			08/30/12 23:18	1
sec-Butylbenzene	ND		1.0		ug/L			08/30/12 23:18	1
tert-Butylbenzene	ND		1.0		ug/L			08/30/12 23:18	1
Carbon disulfide	ND	*	5.0		ug/L			08/30/12 23:18	1
Carbon tetrachloride	ND		0.50		ug/L			08/30/12 23:18	1
Chlorobenzene	ND		0.50		ug/L			08/30/12 23:18	1
Chloroethane	ND		1.0		ug/L			08/30/12 23:18	1
Chloroform	ND		1.0		ug/L			08/30/12 23:18	1
Chloromethane	ND		1.0		ug/L			08/30/12 23:18	1
2-Chlorotoluene	ND		0.50		ug/L			08/30/12 23:18	1
4-Chlorotoluene	ND		0.50		ug/L			08/30/12 23:18	1
Chlorodibromomethane	ND		0.50		ug/L			08/30/12 23:18	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/30/12 23:18	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/30/12 23:18	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/30/12 23:18	1
1,3-Dichloropropane	ND		1.0		ug/L			08/30/12 23:18	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-02-(15-20)-GW
Date Collected: 08/30/12 12:52
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44278-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			08/30/12 23:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/30/12 23:18	1
Ethylene Dibromide	ND		0.50		ug/L			08/30/12 23:18	1
Dibromomethane	ND		0.50		ug/L			08/30/12 23:18	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/30/12 23:18	1
1,1-Dichloroethane	ND		0.50		ug/L			08/30/12 23:18	1
1,2-Dichloroethane	ND		0.50		ug/L			08/30/12 23:18	1
1,1-Dichloroethene	ND		0.50		ug/L			08/30/12 23:18	1
cis-1,2-Dichloroethene	**0.60**		0.50		ug/L			08/30/12 23:18	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/30/12 23:18	1
1,2-Dichloropropane	ND		0.50		ug/L			08/30/12 23:18	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 23:18	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 23:18	1
Ethylbenzene	ND		0.50		ug/L			08/30/12 23:18	1
Hexachlorobutadiene	ND		1.0		ug/L			08/30/12 23:18	1
2-Hexanone	ND		50		ug/L			08/30/12 23:18	1
Isopropylbenzene	ND		0.50		ug/L			08/30/12 23:18	1
4-Isopropyltoluene	ND		1.0		ug/L			08/30/12 23:18	1
Methylene Chloride	ND		5.0		ug/L			08/30/12 23:18	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/30/12 23:18	1
Naphthalene	ND		1.0		ug/L			08/30/12 23:18	1
N-Propylbenzene	ND		1.0		ug/L			08/30/12 23:18	1
Styrene	ND		0.50		ug/L			08/30/12 23:18	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 23:18	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 23:18	1
Tetrachloroethene	**18**		0.50		ug/L			08/30/12 23:18	1
Toluene	ND		0.50		ug/L			08/30/12 23:18	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/30/12 23:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/30/12 23:18	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/30/12 23:18	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/30/12 23:18	1
Trichloroethene	**9.2**		0.50		ug/L			08/30/12 23:18	1
Trichlorofluoromethane	ND		1.0		ug/L			08/30/12 23:18	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/30/12 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/30/12 23:18	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/30/12 23:18	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/30/12 23:18	1
Vinyl acetate	ND		10		ug/L			08/30/12 23:18	1
Vinyl chloride	ND		0.50		ug/L			08/30/12 23:18	1
Xylenes, Total	ND		1.0		ug/L			08/30/12 23:18	1
2,2-Dichloropropane	ND		0.50		ug/L			08/30/12 23:18	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/30/12 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*08/30/12 23:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*		*08/30/12 23:18*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/30/12 23:18*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120081/4
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/30/12 19:28	1
Acetone	ND		50		ug/L			08/30/12 19:28	1
Benzene	ND		0.50		ug/L			08/30/12 19:28	1
Dichlorobromomethane	ND		0.50		ug/L			08/30/12 19:28	1
Bromobenzene	ND		1.0		ug/L			08/30/12 19:28	1
Chlorobromomethane	ND		1.0		ug/L			08/30/12 19:28	1
Bromoform	ND		1.0		ug/L			08/30/12 19:28	1
Bromomethane	ND		1.0		ug/L			08/30/12 19:28	1
2-Butanone (MEK)	ND		50		ug/L			08/30/12 19:28	1
n-Butylbenzene	ND		1.0		ug/L			08/30/12 19:28	1
sec-Butylbenzene	ND		1.0		ug/L			08/30/12 19:28	1
tert-Butylbenzene	ND		1.0		ug/L			08/30/12 19:28	1
Carbon disulfide	ND		5.0		ug/L			08/30/12 19:28	1
Carbon tetrachloride	ND		0.50		ug/L			08/30/12 19:28	1
Chlorobenzene	ND		0.50		ug/L			08/30/12 19:28	1
Chloroethane	ND		1.0		ug/L			08/30/12 19:28	1
Chloroform	ND		1.0		ug/L			08/30/12 19:28	1
Chloromethane	ND		1.0		ug/L			08/30/12 19:28	1
2-Chlorotoluene	ND		0.50		ug/L			08/30/12 19:28	1
4-Chlorotoluene	ND		0.50		ug/L			08/30/12 19:28	1
Chlorodibromomethane	ND		0.50		ug/L			08/30/12 19:28	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/30/12 19:28	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/30/12 19:28	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/30/12 19:28	1
1,3-Dichloropropane	ND		1.0		ug/L			08/30/12 19:28	1
1,1-Dichloropropene	ND		0.50		ug/L			08/30/12 19:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/30/12 19:28	1
Ethylene Dibromide	ND		0.50		ug/L			08/30/12 19:28	1
Dibromomethane	ND		0.50		ug/L			08/30/12 19:28	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/30/12 19:28	1
1,1-Dichloroethane	ND		0.50		ug/L			08/30/12 19:28	1
1,2-Dichloroethane	ND		0.50		ug/L			08/30/12 19:28	1
1,1-Dichloroethene	ND		0.50		ug/L			08/30/12 19:28	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/30/12 19:28	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/30/12 19:28	1
1,2-Dichloropropane	ND		0.50		ug/L			08/30/12 19:28	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 19:28	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/30/12 19:28	1
Ethylbenzene	ND		0.50		ug/L			08/30/12 19:28	1
Hexachlorobutadiene	ND		1.0		ug/L			08/30/12 19:28	1
2-Hexanone	ND		50		ug/L			08/30/12 19:28	1
Isopropylbenzene	ND		0.50		ug/L			08/30/12 19:28	1
4-Isopropyltoluene	ND		1.0		ug/L			08/30/12 19:28	1
Methylene Chloride	ND		5.0		ug/L			08/30/12 19:28	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/30/12 19:28	1
Naphthalene	ND		1.0		ug/L			08/30/12 19:28	1
N-Propylbenzene	ND		1.0		ug/L			08/30/12 19:28	1
Styrene	ND		0.50		ug/L			08/30/12 19:28	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 19:28	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120081/4
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/30/12 19:28	1
Tetrachloroethene	ND		0.50		ug/L			08/30/12 19:28	1
Toluene	ND		0.50		ug/L			08/30/12 19:28	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/30/12 19:28	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/30/12 19:28	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/30/12 19:28	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/30/12 19:28	1
Trichloroethene	ND		0.50		ug/L			08/30/12 19:28	1
Trichlorofluoromethane	ND		1.0		ug/L			08/30/12 19:28	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/30/12 19:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/30/12 19:28	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/30/12 19:28	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/30/12 19:28	1
Vinyl acetate	ND		10		ug/L			08/30/12 19:28	1
Vinyl chloride	ND		0.50		ug/L			08/30/12 19:28	1
Xylenes, Total	ND		1.0		ug/L			08/30/12 19:28	1
2,2-Dichloropropane	ND		0.50		ug/L			08/30/12 19:28	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/30/12 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*08/30/12 19:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*		*08/30/12 19:28*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/30/12 19:28*	*1*

Lab Sample ID: LCS 720-120081/5
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	26.5		ug/L		106	62 - 130
Acetone	125	91.2		ug/L		73	26 - 180
Benzene	25.0	27.3		ug/L		109	79 - 130
Dichlorobromomethane	25.0	27.5		ug/L		110	70 - 130
Bromobenzene	25.0	27.6		ug/L		111	70 - 130
Chlorobromomethane	25.0	26.9		ug/L		108	70 - 130
Bromoform	25.0	26.0		ug/L		104	68 - 136
Bromomethane	25.0	25.1		ug/L		100	43 - 151
2-Butanone (MEK)	125	120		ug/L		96	54 - 130
n-Butylbenzene	25.0	28.4		ug/L		113	70 - 142
sec-Butylbenzene	25.0	29.2		ug/L		117	70 - 134
tert-Butylbenzene	25.0	29.7		ug/L		119	70 - 135
Carbon disulfide	25.0	31.8		ug/L		127	58 - 130
Carbon tetrachloride	25.0	26.8		ug/L		107	70 - 146
Chlorobenzene	25.0	27.6		ug/L		111	70 - 130
Chloroethane	25.0	26.6		ug/L		106	62 - 138
Chloroform	25.0	26.7		ug/L		107	70 - 130
Chloromethane	25.0	25.0		ug/L		100	52 - 175
2-Chlorotoluene	25.0	30.0		ug/L		120	70 - 130
4-Chlorotoluene	25.0	28.2		ug/L		113	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120081/5
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	26.6		ug/L		106	70 - 145
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	70 - 130
1,3-Dichlorobenzene	25.0	27.9		ug/L		112	70 - 130
1,4-Dichlorobenzene	25.0	27.3		ug/L		109	70 - 130
1,3-Dichloropropane	25.0	27.1		ug/L		108	70 - 130
1,1-Dichloropropene	25.0	29.0		ug/L		116	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	23.1		ug/L		93	70 - 136
Ethylene Dibromide	25.0	26.3		ug/L		105	70 - 130
Dibromomethane	25.0	26.2		ug/L		105	70 - 130
Dichlorodifluoromethane	25.0	20.4		ug/L		82	34 - 132
1,1-Dichloroethane	25.0	28.0		ug/L		112	70 - 130
1,2-Dichloroethane	25.0	25.8		ug/L		103	61 - 132
1,1-Dichloroethene	25.0	28.2		ug/L		113	64 - 128
cis-1,2-Dichloroethene	25.0	28.9		ug/L		116	70 - 130
trans-1,2-Dichloroethene	25.0	27.1		ug/L		108	68 - 130
1,2-Dichloropropane	25.0	27.7		ug/L		111	70 - 130
cis-1,3-Dichloropropene	25.0	29.5		ug/L		118	70 - 130
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	70 - 140
Ethylbenzene	25.0	27.5		ug/L		110	80 - 120
Hexachlorobutadiene	25.0	22.1		ug/L		88	70 - 130
2-Hexanone	125	116		ug/L		93	60 - 164
Isopropylbenzene	25.0	28.9		ug/L		116	70 - 130
4-Isopropyltoluene	25.0	27.9		ug/L		112	70 - 130
Methylene Chloride	25.0	26.4		ug/L		106	70 - 147
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	58 - 130
Naphthalene	25.0	22.8		ug/L		91	70 - 130
N-Propylbenzene	25.0	30.7		ug/L		123	70 - 130
Styrene	25.0	28.0		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	25.0	26.3		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	25.0	28.6		ug/L		115	70 - 130
Tetrachloroethene	25.0	26.3		ug/L		105	70 - 130
Toluene	25.0	27.7		ug/L		111	78 - 120
1,2,3-Trichlorobenzene	25.0	22.0		ug/L		88	70 - 130
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	70 - 130
1,1,1-Trichloroethane	25.0	26.9		ug/L		107	70 - 130
1,1,2-Trichloroethane	25.0	27.4		ug/L		110	70 - 130
Trichloroethene	25.0	27.3		ug/L		109	70 - 130
Trichlorofluoromethane	25.0	24.4		ug/L		98	66 - 132
1,2,3-Trichloropropane	25.0	28.0		ug/L		112	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.3		ug/L		109	42 - 162
1,2,4-Trimethylbenzene	25.0	28.2		ug/L		113	70 - 132
1,3,5-Trimethylbenzene	25.0	29.1		ug/L		116	70 - 130
Vinyl acetate	25.0	25.9		ug/L		104	43 - 163
Vinyl chloride	25.0	24.9		ug/L		99	54 - 135
m-Xylene & p-Xylene	50.0	54.5		ug/L		109	70 - 142
o-Xylene	25.0	28.6		ug/L		114	70 - 130
2,2-Dichloropropane	25.0	27.9		ug/L		112	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120081/5
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 138*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCS 720-120081/7
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	496		ug/L		99	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-120081/6
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.5		ug/L		110	62 - 130	4	20
Acetone	125	105		ug/L		84	26 - 180	14	30
Benzene	25.0	28.0		ug/L		112	79 - 130	3	20
Dichlorobromomethane	25.0	28.0		ug/L		112	70 - 130	2	20
Bromobenzene	25.0	28.2		ug/L		113	70 - 130	2	20
Chlorobromomethane	25.0	27.0		ug/L		108	70 - 130	0	20
Bromoform	25.0	26.1		ug/L		104	68 - 136	1	20
Bromomethane	25.0	26.1		ug/L		104	43 - 151	4	20
2-Butanone (MEK)	125	122		ug/L		97	54 - 130	1	20
n-Butylbenzene	25.0	27.1		ug/L		108	70 - 142	5	20
sec-Butylbenzene	25.0	28.3		ug/L		113	70 - 134	3	20
tert-Butylbenzene	25.0	29.1		ug/L		116	70 - 135	2	20
Carbon disulfide	25.0	32.9	*	ug/L		132	58 - 130	4	20
Carbon tetrachloride	25.0	27.3		ug/L		109	70 - 146	2	20
Chlorobenzene	25.0	27.2		ug/L		109	70 - 130	2	20
Chloroethane	25.0	27.8		ug/L		111	62 - 138	5	20
Chloroform	25.0	27.3		ug/L		109	70 - 130	2	20
Chloromethane	25.0	26.1		ug/L		104	52 - 175	4	20
2-Chlorotoluene	25.0	30.0		ug/L		120	70 - 130	0	20
4-Chlorotoluene	25.0	29.0		ug/L		116	70 - 130	3	20
Chlorodibromomethane	25.0	27.3		ug/L		109	70 - 145	3	20
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	2	20
1,3-Dichlorobenzene	25.0	27.9		ug/L		111	70 - 130	0	20
1,4-Dichlorobenzene	25.0	27.1		ug/L		109	70 - 130	1	20
1,3-Dichloropropane	25.0	27.9		ug/L		112	70 - 130	3	20
1,1-Dichloropropene	25.0	29.9		ug/L		119	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	25.0	23.5		ug/L		94	70 - 136	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120081/6
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	27.3		ug/L		109	70 - 130	4	20
Dibromomethane	25.0	26.8		ug/L		107	70 - 130	2	20
Dichlorodifluoromethane	25.0	21.2		ug/L		85	34 - 132	4	20
1,1-Dichloroethane	25.0	29.1		ug/L		117	70 - 130	4	20
1,2-Dichloroethane	25.0	26.6		ug/L		106	61 - 132	3	20
1,1-Dichloroethene	25.0	29.4		ug/L		118	64 - 128	4	20
cis-1,2-Dichloroethene	25.0	29.1		ug/L		117	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	28.3		ug/L		113	68 - 130	4	20
1,2-Dichloropropane	25.0	28.5		ug/L		114	70 - 130	3	20
cis-1,3-Dichloropropene	25.0	29.3		ug/L		117	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	28.0		ug/L		112	70 - 140	3	20
Ethylbenzene	25.0	27.0		ug/L		108	80 - 120	2	20
Hexachlorobutadiene	25.0	18.9		ug/L		75	70 - 130	16	20
2-Hexanone	125	123		ug/L		99	60 - 164	6	20
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130	4	20
4-Isopropyltoluene	25.0	27.2		ug/L		109	70 - 130	3	20
Methylene Chloride	25.0	27.6		ug/L		110	70 - 147	4	20
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130	1	20
Naphthalene	25.0	21.3		ug/L		85	70 - 130	7	20
N-Propylbenzene	25.0	30.6		ug/L		122	70 - 130	0	20
Styrene	25.0	27.6		ug/L		110	70 - 130	2	20
1,1,1,2-Tetrachloroethane	25.0	26.1		ug/L		104	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	28.2		ug/L		113	70 - 130	1	20
Tetrachloroethene	25.0	27.3		ug/L		109	70 - 130	4	20
Toluene	25.0	28.6		ug/L		114	78 - 120	3	20
1,2,3-Trichlorobenzene	25.0	18.9		ug/L		76	70 - 130	15	20
1,2,4-Trichlorobenzene	25.0	19.3		ug/L		77	70 - 130	13	20
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	70 - 130	2	20
1,1,2-Trichloroethane	25.0	27.2		ug/L		109	70 - 130	1	20
Trichloroethene	25.0	28.4		ug/L		113	70 - 130	4	20
Trichlorofluoromethane	25.0	25.4		ug/L		102	66 - 132	4	20
1,2,3-Trichloropropane	25.0	28.8		ug/L		115	70 - 130	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1		ug/L		112	42 - 162	3	20
1,2,4-Trimethylbenzene	25.0	28.1		ug/L		113	70 - 132	0	20
1,3,5-Trimethylbenzene	25.0	29.1		ug/L		116	70 - 130	0	20
Vinyl acetate	25.0	21.2		ug/L		85	43 - 163	20	20
Vinyl chloride	25.0	26.0		ug/L		104	54 - 135	4	20
m-Xylene & p-Xylene	50.0	54.8		ug/L		110	70 - 142	0	20
o-Xylene	25.0	27.7		ug/L		111	70 - 130	3	20
2,2-Dichloropropane	25.0	28.5		ug/L		114	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120081/8
Matrix: Water
Analysis Batch: 120081

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	483		ug/L		97	62 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 138*
Toluene-d8 (Surr)	*98*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

GC/MS VOA

Analysis Batch: 120081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44278-1	MW-01-(17-22)-GW	Total/NA	Water	8260B/CA_LUFT MS	
720-44278-2	MW-02-(15-20)-GW	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120081/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120081/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120081/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120081/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120081/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Client Sample ID: MW-01-(17-22)-GW

Lab Sample ID: 720-44278-1

Date Collected: 08/30/12 11:55
Date Received: 08/30/12 17:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120081	08/30/12 22:49	DH	TAL SF

Client Sample ID: MW-02-(15-20)-GW

Lab Sample ID: 720-44278-2

Date Collected: 08/30/12 12:52
Date Received: 08/30/12 17:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120081	08/30/12 23:18	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44278-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44278-1	MW-01-(17-22)-GW	Water	08/30/12 11:55	08/30/12 17:35
720-44278-2	MW-02-(15-20)-GW	Water	08/30/12 12:52	08/30/12 17:35

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4.1°c OAK 17389

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevrolet

DATE: 8/30/12 PAGE 1 OF 1

PROJECT NUMBER: 0D1060070

RESULTS TO: Avery Patton

TURNAROUND TIME: 24-hour TAT

SAMPLE SHIPMENT METHOD: Courier

LABORATORY NAME: Test America

LABORATORY ADDRESS: Pleasanton CA

LABORATORY CONTACT: Harvey Salimpour

LABORATORY PHONE NUMBER: (925) 484-1919

CLIENT INFORMATION: 720.4478

REPORTING REQUIREMENTS: 140491

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOCs 8260	TPHg 8260	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/30/12	1155	MW-01-(12-22)-GW	X	X	40 mL VOA	W	N	HCl	Y	N	3	24h TAT
8/30/12	1252	MW-02-(15-20)-GW	X	X	40 mL VOA	W	N	HCl	Y	N	3	24h TAT

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	8/30/12	1716	SIGNATURE:	8/30/12	1718
PRINTED NAME: Avery Patton			PRINTED NAME: T. Stitt		
COMPANY: AMEC			COMPANY: TASF		
SIGNATURE:	8/30/12	1735	SIGNATURE:	8/30/12	1735
PRINTED NAME: T. Stitt			PRINTED NAME: T. Bullock		
COMPANY: TASF			COMPANY: Test America		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44278-1

Login Number: 44278
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44281-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
8/31/2012 2:10:14 PM
Micah Smith
Project Manager I
micah.smith@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44281-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44281-1

Comments
No additional comments.

Receipt
The sample was received on 8/30/2012 5:35 PM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44281-1

Client Sample ID: MW-02-11.0

Lab Sample ID: 720-44281-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.7		3.9		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	3200		190		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-02-11.0
Date Collected: 08/30/12 08:40
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44281-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Acetone	ND		39		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Benzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Dichlorobromomethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Bromobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chlorobromomethane	ND		15		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Bromoform	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Bromomethane	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
2-Butanone (MEK)	ND		39		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
n-Butylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
sec-Butylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
tert-Butylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Carbon disulfide	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Carbon tetrachloride	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chloroethane	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chloroform	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chloromethane	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
2-Chlorotoluene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
4-Chlorotoluene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Chlorodibromomethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2-Dichlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,3-Dichlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,4-Dichlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,3-Dichloropropane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1-Dichloropropene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2-Dibromo-3-Chloropropane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Ethylene Dibromide	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Dibromomethane	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Dichlorodifluoromethane	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1-Dichloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2-Dichloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1-Dichloroethene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
cis-1,2-Dichloroethene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
trans-1,2-Dichloroethene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2-Dichloropropane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
cis-1,3-Dichloropropene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
trans-1,3-Dichloropropene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Ethylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Hexachlorobutadiene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
2-Hexanone	ND		39		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Isopropylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
4-Isopropyltoluene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Methylene Chloride	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
4-Methyl-2-pentanone (MIBK)	ND		39		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Naphthalene	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
N-Propylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Styrene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1,1,2-Tetrachloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1,2,2-Tetrachloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Tetrachloroethene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-02-11.0
Date Collected: 08/30/12 08:40
Date Received: 08/30/12 17:35

Lab Sample ID: 720-44281-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2,3-Trichlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2,4-Trichlorobenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1,1-Trichloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1,2-Trichloroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Trichloroethene	**4.7**		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Trichlorofluoromethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2,3-Trichloropropane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,2,4-Trimethylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
1,3,5-Trimethylbenzene	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Vinyl acetate	ND		39 UJ		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Vinyl chloride	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Xylenes, Total	ND		7.7		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
2,2-Dichloropropane	ND		3.9		ug/Kg		08/30/12 21:17	08/31/12 03:09	1
Gasoline Range Organics (GRO) -C5-C12	**3200**		190		ug/Kg		08/30/12 21:17	08/31/12 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*		*45 - 131*	*08/30/12 21:17*	*08/31/12 03:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*08/30/12 21:17*	*08/31/12 03:09*	*1*
Toluene-d8 (Surr)	*117*		*58 - 140*	*08/30/12 21:17*	*08/31/12 03:09*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120106/1-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Acetone	ND		50		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Benzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Dichlorobromomethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Bromobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chlorobromomethane	ND		20		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Bromoform	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Bromomethane	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
2-Butanone (MEK)	ND		50		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
n-Butylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
sec-Butylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
tert-Butylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Carbon disulfide	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Carbon tetrachloride	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chloroethane	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chloroform	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chloromethane	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
2-Chlorotoluene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
4-Chlorotoluene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Chlorodibromomethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,3-Dichloropropane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1-Dichloropropene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Ethylene Dibromide	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Dibromomethane	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Dichlorodifluoromethane	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1-Dichloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2-Dichloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1-Dichloroethene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2-Dichloropropane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Ethylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Hexachlorobutadiene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
2-Hexanone	ND		50		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Isopropylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
4-Isopropyltoluene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Methylene Chloride	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Naphthalene	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
N-Propylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Styrene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120106/1-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Tetrachloroethene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Toluene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Trichloroethene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Vinyl acetate	ND		50		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Vinyl chloride	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Xylenes, Total	ND		10		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
2,2-Dichloropropane	ND		5.0		ug/Kg		08/30/12 17:00	08/30/12 17:56	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		08/30/12 17:00	08/30/12 17:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*	*08/30/12 17:00*	*08/30/12 17:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*	*08/30/12 17:00*	*08/30/12 17:56*	*1*
Toluene-d8 (Surr)	*109*		*58 - 140*	*08/30/12 17:00*	*08/30/12 17:56*	*1*

Lab Sample ID: LCS 720-120106/2-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	58.2		ug/Kg		116	70 - 144
Acetone	250	247		ug/Kg		99	30 - 162
Benzene	50.0	54.5		ug/Kg		109	70 - 130
Dichlorobromomethane	50.0	55.9		ug/Kg		112	70 - 131
Bromobenzene	50.0	56.0		ug/Kg		112	70 - 130
Chlorobromomethane	50.0	55.0		ug/Kg		110	70 - 130
Bromoform	50.0	58.1		ug/Kg		116	59 - 158
Bromomethane	50.0	45.8		ug/Kg		92	59 - 132
2-Butanone (MEK)	250	310		ug/Kg		124	53 - 124
n-Butylbenzene	50.0	59.4		ug/Kg		119	70 - 142
sec-Butylbenzene	50.0	55.7		ug/Kg		111	70 - 136
tert-Butylbenzene	50.0	55.3		ug/Kg		111	70 - 130
Carbon disulfide	50.0	54.5		ug/Kg		109	60 - 140
Carbon tetrachloride	50.0	54.1		ug/Kg		108	70 - 138
Chlorobenzene	50.0	51.3		ug/Kg		103	70 - 130
Chloroethane	50.0	44.4		ug/Kg		89	65 - 130
Chloroform	50.0	49.9		ug/Kg		100	77 - 127
Chloromethane	50.0	38.1		ug/Kg		76	55 - 140
2-Chlorotoluene	50.0	59.2		ug/Kg		118	70 - 138
4-Chlorotoluene	50.0	52.8		ug/Kg		106	70 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120106/2-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	50.0	62.1		ug/Kg		124	70 - 146
1,2-Dichlorobenzene	50.0	55.6		ug/Kg		111	70 - 130
1,3-Dichlorobenzene	50.0	55.9		ug/Kg		112	70 - 131
1,4-Dichlorobenzene	50.0	53.8		ug/Kg		108	70 - 130
1,3-Dichloropropane	50.0	55.7		ug/Kg		111	70 - 140
1,1-Dichloropropene	50.0	61.6		ug/Kg		123	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	67.0		ug/Kg		134	60 - 145
Ethylene Dibromide	50.0	62.7		ug/Kg		125	70 - 140
Dibromomethane	50.0	56.1		ug/Kg		112	70 - 139
Dichlorodifluoromethane	50.0	35.7		ug/Kg		71	37 - 158
1,1-Dichloroethane	50.0	51.6		ug/Kg		103	70 - 130
1,2-Dichloroethane	50.0	51.0		ug/Kg		102	70 - 130
1,1-Dichloroethene	50.0	54.8		ug/Kg		110	76 - 122
cis-1,2-Dichloroethene	50.0	54.6		ug/Kg		109	70 - 138
trans-1,2-Dichloroethene	50.0	57.1		ug/Kg		114	67 - 130
1,2-Dichloropropane	50.0	55.2		ug/Kg		110	73 - 127
cis-1,3-Dichloropropene	50.0	56.4		ug/Kg		113	68 - 147
trans-1,3-Dichloropropene	50.0	53.6		ug/Kg		107	70 - 136
Ethylbenzene	50.0	52.0		ug/Kg		104	80 - 137
Hexachlorobutadiene	50.0	57.9		ug/Kg		116	70 - 132
2-Hexanone	250	304		ug/Kg		122	44 - 133
Isopropylbenzene	50.0	56.6		ug/Kg		113	88 - 128
4-Isopropyltoluene	50.0	56.4		ug/Kg		113	70 - 133
Methylene Chloride	50.0	59.9		ug/Kg		120	70 - 134
4-Methyl-2-pentanone (MIBK)	250	313		ug/Kg		125	60 - 160
Naphthalene	50.0	64.7		ug/Kg		129	60 - 147
N-Propylbenzene	50.0	56.2		ug/Kg		112	70 - 130
Styrene	50.0	54.2		ug/Kg		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/Kg		107	70 - 130
1,1,2,2-Tetrachloroethane	50.0	56.2		ug/Kg		112	70 - 146
Tetrachloroethene	50.0	59.1		ug/Kg		118	70 - 132
Toluene	50.0	51.3		ug/Kg		103	80 - 128
1,2,3-Trichlorobenzene	50.0	62.3		ug/Kg		125	60 - 140
1,2,4-Trichlorobenzene	50.0	61.8		ug/Kg		124	60 - 140
1,1,1-Trichloroethane	50.0	53.7		ug/Kg		107	70 - 130
1,1,2-Trichloroethane	50.0	59.0		ug/Kg		118	70 - 130
Trichloroethene	50.0	56.7		ug/Kg		113	70 - 133
Trichlorofluoromethane	50.0	45.3		ug/Kg		91	60 - 140
1,2,3-Trichloropropane	50.0	57.9		ug/Kg		116	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.5		ug/Kg		107	60 - 140
1,2,4-Trimethylbenzene	50.0	53.5		ug/Kg		107	70 - 130
1,3,5-Trimethylbenzene	50.0	53.5		ug/Kg		107	70 - 131
Vinyl acetate	50.0	60.5		ug/Kg		121	38 - 176
Vinyl chloride	50.0	39.4		ug/Kg		79	58 - 125
m-Xylene & p-Xylene	100	112		ug/Kg		112	70 - 146
o-Xylene	50.0	53.9		ug/Kg		108	70 - 140
2,2-Dichloropropane	50.0	59.5		ug/Kg		119	70 - 162

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120106/2-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*114*		*58 - 140*

Lab Sample ID: LCS 720-120106/4-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	871		ug/Kg		87	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*114*		*58 - 140*

Lab Sample ID: LCSD 720-120106/3-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	58.8		ug/Kg		118	70 - 144	1	20
Acetone	250	251		ug/Kg		101	30 - 162	2	30
Benzene	50.0	53.8		ug/Kg		108	70 - 130	1	20
Dichlorobromomethane	50.0	55.1		ug/Kg		110	70 - 131	2	20
Bromobenzene	50.0	55.9		ug/Kg		112	70 - 130	0	20
Chlorobromomethane	50.0	55.4		ug/Kg		111	70 - 130	1	20
Bromoform	50.0	57.4		ug/Kg		115	59 - 158	1	20
Bromomethane	50.0	43.8		ug/Kg		88	59 - 132	4	20
2-Butanone (MEK)	250	289		ug/Kg		115	53 - 124	7	20
n-Butylbenzene	50.0	57.6		ug/Kg		115	70 - 142	3	20
sec-Butylbenzene	50.0	53.6		ug/Kg		107	70 - 136	4	20
tert-Butylbenzene	50.0	54.2		ug/Kg		108	70 - 130	2	20
Carbon disulfide	50.0	52.3		ug/Kg		105	60 - 140	4	20
Carbon tetrachloride	50.0	52.1		ug/Kg		104	70 - 138	4	20
Chlorobenzene	50.0	50.8		ug/Kg		102	70 - 130	1	20
Chloroethane	50.0	42.5		ug/Kg		85	65 - 130	4	20
Chloroform	50.0	49.1		ug/Kg		98	77 - 127	2	20
Chloromethane	50.0	37.7		ug/Kg		75	55 - 140	1	20
2-Chlorotoluene	50.0	58.3		ug/Kg		117	70 - 138	1	20
4-Chlorotoluene	50.0	52.4		ug/Kg		105	70 - 136	1	20
Chlorodibromomethane	50.0	62.1		ug/Kg		124	70 - 146	0	20
1,2-Dichlorobenzene	50.0	54.5		ug/Kg		109	70 - 130	2	20
1,3-Dichlorobenzene	50.0	54.6		ug/Kg		109	70 - 131	2	20
1,4-Dichlorobenzene	50.0	53.4		ug/Kg		107	70 - 130	1	20
1,3-Dichloropropane	50.0	55.4		ug/Kg		111	70 - 140	1	20
1,1-Dichloropropene	50.0	60.2		ug/Kg		120	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	50.0	64.7		ug/Kg		129	60 - 145	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120106/3-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	50.0	62.3		ug/Kg		125	70 - 140	1	20
Dibromomethane	50.0	55.6		ug/Kg		111	70 - 139	1	20
Dichlorodifluoromethane	50.0	33.7		ug/Kg		67	37 - 158	6	20
1,1-Dichloroethane	50.0	50.6		ug/Kg		101	70 - 130	2	20
1,2-Dichloroethane	50.0	51.0		ug/Kg		102	70 - 130	0	20
1,1-Dichloroethene	50.0	52.9		ug/Kg		106	76 - 122	4	20
cis-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	70 - 138	2	20
trans-1,2-Dichloroethene	50.0	55.8		ug/Kg		112	67 - 130	2	20
1,2-Dichloropropane	50.0	55.4		ug/Kg		111	73 - 127	0	20
cis-1,3-Dichloropropene	50.0	56.8		ug/Kg		114	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	53.9		ug/Kg		108	70 - 136	0	20
Ethylbenzene	50.0	51.0		ug/Kg		102	80 - 137	2	20
Hexachlorobutadiene	50.0	54.9		ug/Kg		110	70 - 132	5	20
2-Hexanone	250	303		ug/Kg		121	44 - 133	0	20
Isopropylbenzene	50.0	54.4		ug/Kg		109	88 - 128	4	20
4-Isopropyltoluene	50.0	55.4		ug/Kg		111	70 - 133	2	20
Methylene Chloride	50.0	58.7		ug/Kg		117	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	311		ug/Kg		124	60 - 160	1	20
Naphthalene	50.0	62.0		ug/Kg		124	60 - 147	4	20
N-Propylbenzene	50.0	54.8		ug/Kg		110	70 - 130	2	20
Styrene	50.0	53.5		ug/Kg		107	70 - 130	1	20
1,1,1,2-Tetrachloroethane	50.0	53.5		ug/Kg		107	70 - 130	0	20
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/Kg		111	70 - 146	2	20
Tetrachloroethene	50.0	57.9		ug/Kg		116	70 - 132	2	20
Toluene	50.0	50.2		ug/Kg		100	80 - 128	2	20
1,2,3-Trichlorobenzene	50.0	60.5		ug/Kg		121	60 - 140	3	20
1,2,4-Trichlorobenzene	50.0	60.7		ug/Kg		121	60 - 140	2	20
1,1,1-Trichloroethane	50.0	51.7		ug/Kg		103	70 - 130	4	20
1,1,2-Trichloroethane	50.0	58.2		ug/Kg		116	70 - 130	1	20
Trichloroethene	50.0	55.1		ug/Kg		110	70 - 133	3	20
Trichlorofluoromethane	50.0	42.9		ug/Kg		86	60 - 140	5	20
1,2,3-Trichloropropane	50.0	57.0		ug/Kg		114	70 - 146	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.1		ug/Kg		102	60 - 140	5	20
1,2,4-Trimethylbenzene	50.0	52.4		ug/Kg		105	70 - 130	2	20
1,3,5-Trimethylbenzene	50.0	53.0		ug/Kg		106	70 - 131	1	20
Vinyl acetate	50.0	60.3		ug/Kg		121	38 - 176	0	20
Vinyl chloride	50.0	37.4		ug/Kg		75	58 - 125	5	20
m-Xylene & p-Xylene	100	109		ug/Kg		109	70 - 146	2	20
o-Xylene	50.0	53.1		ug/Kg		106	70 - 140	2	20
2,2-Dichloropropane	50.0	58.4		ug/Kg		117	70 - 162	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*115*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120106/5-A
Matrix: Solid
Analysis Batch: 120085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120106

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	866		ug/Kg		87	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*116*		*58 - 140*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44281-1

GC/MS VOA

Analysis Batch: 120085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44281-1	MW-02-11.0	Total/NA	Solid	8260B/CA_LUFT MS	120106
LCS 720-120106/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	120106
LCS 720-120106/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	120106
LCSD 720-120106/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	120106
LCSD 720-120106/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	120106
MB 720-120106/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	120106

Prep Batch: 120106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44281-1	MW-02-11.0	Total/NA	Solid	5035	
LCS 720-120106/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-120106/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-120106/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-120106/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-120106/1-A	Method Blank	Total/NA	Solid	5035	

Client Sample ID: MW-02-11.0

Lab Sample ID: 720-44281-1

Date Collected: 08/30/12 08:40

Matrix: Solid

Date Received: 08/30/12 17:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120106	08/30/12 21:17	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	120085	08/31/12 03:09	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44281-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44281-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44281-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44281-1	MW-02-11.0	Solid	08/30/12 08:40	08/30/12 17:35

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720-44281

4.1°C

OAK 18022

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: 7455 Dublin Blvd.			DATE: 8/30/12 — PAGE 1 OF 1
PROJECT NUMBER: 08101160070	LABORATORY NAME: Test America	CLIENT INFORMATION	REPORTING REQUIREMENTS:
RESULTS TO: Aubry Patton	LABORATORY ADDRESS:		140492
TURNAROUND TIME: Std	Pleasanton CA		
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: Hassmen Salimpour		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: (925) 484-1919		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	VOCs 8260	TPHg 8260	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/30/12	0840	MW-02-11.0	X	X	40ml VOA	S	N	MeOH UPBW	Y	N	3	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	8/30/12	1810	SIGNATURE:	8/30/12	1718
PRINTED NAME: Nina Fuhrer			PRINTED NAME: T. Stitt		
COMPANY: AMEC			COMPANY: TASF		
SIGNATURE:	8/30/12	1735	SIGNATURE:	8/30/12	1735
PRINTED NAME: T. Stitt			PRINTED NAME: T. Bullock		
COMPANY: TASF			COMPANY: TASF		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44281-1

Login Number: 44281
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44293-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/4/2012 3:49:16 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Job ID: 720-44293-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44293-1

Comments
No additional comments.

Receipt
The sample was received on 8/31/2012 11:10 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA
No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Client Sample ID: MW-03-(15-20)-GW

Lab Sample ID: 720-44293-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	1.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	9.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	0.59		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-03-(15-20)-GW
Date Collected: 08/31/12 08:53
Date Received: 08/31/12 11:10

Lab Sample ID: 720-44293-1
Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/31/12 16:08	1
Acetone	ND		50 UJ		ug/L			08/31/12 16:08	1
Benzene	ND		0.50		ug/L			08/31/12 16:08	1
Dichlorobromomethane	ND		0.50		ug/L			08/31/12 16:08	1
Bromobenzene	ND		1.0		ug/L			08/31/12 16:08	1
Chlorobromomethane	ND		1.0		ug/L			08/31/12 16:08	1
Bromoform	ND		1.0		ug/L			08/31/12 16:08	1
Bromomethane	ND		1.0		ug/L			08/31/12 16:08	1
2-Butanone (MEK)	ND		50		ug/L			08/31/12 16:08	1
n-Butylbenzene	ND		1.0		ug/L			08/31/12 16:08	1
sec-Butylbenzene	ND		1.0		ug/L			08/31/12 16:08	1
tert-Butylbenzene	ND		1.0		ug/L			08/31/12 16:08	1
Carbon disulfide	ND		5.0		ug/L			08/31/12 16:08	1
Carbon tetrachloride	ND		0.50		ug/L			08/31/12 16:08	1
Chlorobenzene	ND		0.50		ug/L			08/31/12 16:08	1
Chloroethane	ND		1.0		ug/L			08/31/12 16:08	1
Chloroform	ND		1.0		ug/L			08/31/12 16:08	1
Chloromethane	ND		1.0		ug/L			08/31/12 16:08	1
2-Chlorotoluene	ND		0.50		ug/L			08/31/12 16:08	1
4-Chlorotoluene	ND		0.50		ug/L			08/31/12 16:08	1
Chlorodibromomethane	ND		0.50		ug/L			08/31/12 16:08	1
1,2-Dichlorobenzene	**1.1**		0.50		ug/L			08/31/12 16:08	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/31/12 16:08	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/31/12 16:08	1
1,3-Dichloropropane	ND		1.0		ug/L			08/31/12 16:08	1
1,1-Dichloropropene	ND		0.50		ug/L			08/31/12 16:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/31/12 16:08	1
Ethylene Dibromide	ND		0.50		ug/L			08/31/12 16:08	1
Dibromomethane	ND		0.50		ug/L			08/31/12 16:08	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/31/12 16:08	1
1,1-Dichloroethane	ND		0.50		ug/L			08/31/12 16:08	1
1,2-Dichloroethane	ND		0.50		ug/L			08/31/12 16:08	1
1,1-Dichloroethene	ND		0.50		ug/L			08/31/12 16:08	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/31/12 16:08	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/31/12 16:08	1
1,2-Dichloropropane	ND		0.50		ug/L			08/31/12 16:08	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/31/12 16:08	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/31/12 16:08	1
Ethylbenzene	ND		0.50		ug/L			08/31/12 16:08	1
Hexachlorobutadiene	ND		1.0		ug/L			08/31/12 16:08	1
2-Hexanone	ND		50		ug/L			08/31/12 16:08	1
Isopropylbenzene	ND		0.50		ug/L			08/31/12 16:08	1
4-Isopropyltoluene	ND		1.0		ug/L			08/31/12 16:08	1
Methylene Chloride	ND		5.0		ug/L			08/31/12 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/31/12 16:08	1
Naphthalene	ND		1.0		ug/L			08/31/12 16:08	1
N-Propylbenzene	ND		1.0		ug/L			08/31/12 16:08	1
Styrene	ND		0.50		ug/L			08/31/12 16:08	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/31/12 16:08	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/31/12 16:08	1
Tetrachloroethene	**9.3**		0.50		ug/L			08/31/12 16:08	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-03-(15-20)-GW
Date Collected: 08/31/12 08:53
Date Received: 08/31/12 11:10

Lab Sample ID: 720-44293-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			08/31/12 16:08	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/31/12 16:08	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/31/12 16:08	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/31/12 16:08	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/31/12 16:08	1
Trichloroethene	**0.59**		0.50		ug/L			08/31/12 16:08	1
Trichlorofluoromethane	ND		1.0		ug/L			08/31/12 16:08	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/31/12 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/31/12 16:08	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/31/12 16:08	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/31/12 16:08	1
Vinyl acetate	ND		10		ug/L			08/31/12 16:08	1
Vinyl chloride	ND		0.50		ug/L			08/31/12 16:08	1
Xylenes, Total	ND		1.0		ug/L			08/31/12 16:08	1
2,2-Dichloropropane	ND		0.50		ug/L			08/31/12 16:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/31/12 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*08/31/12 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*08/31/12 16:08*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*08/31/12 16:08*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120110/4
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			08/31/12 08:27	1
Acetone	ND		50		ug/L			08/31/12 08:27	1
Benzene	ND		0.50		ug/L			08/31/12 08:27	1
Dichlorobromomethane	ND		0.50		ug/L			08/31/12 08:27	1
Bromobenzene	ND		1.0		ug/L			08/31/12 08:27	1
Chlorobromomethane	ND		1.0		ug/L			08/31/12 08:27	1
Bromoform	ND		1.0		ug/L			08/31/12 08:27	1
Bromomethane	ND		1.0		ug/L			08/31/12 08:27	1
2-Butanone (MEK)	ND		50		ug/L			08/31/12 08:27	1
n-Butylbenzene	ND		1.0		ug/L			08/31/12 08:27	1
sec-Butylbenzene	ND		1.0		ug/L			08/31/12 08:27	1
tert-Butylbenzene	ND		1.0		ug/L			08/31/12 08:27	1
Carbon disulfide	ND		5.0		ug/L			08/31/12 08:27	1
Carbon tetrachloride	ND		0.50		ug/L			08/31/12 08:27	1
Chlorobenzene	ND		0.50		ug/L			08/31/12 08:27	1
Chloroethane	ND		1.0		ug/L			08/31/12 08:27	1
Chloroform	ND		1.0		ug/L			08/31/12 08:27	1
Chloromethane	ND		1.0		ug/L			08/31/12 08:27	1
2-Chlorotoluene	ND		0.50		ug/L			08/31/12 08:27	1
4-Chlorotoluene	ND		0.50		ug/L			08/31/12 08:27	1
Chlorodibromomethane	ND		0.50		ug/L			08/31/12 08:27	1
1,2-Dichlorobenzene	ND		0.50		ug/L			08/31/12 08:27	1
1,3-Dichlorobenzene	ND		0.50		ug/L			08/31/12 08:27	1
1,4-Dichlorobenzene	ND		0.50		ug/L			08/31/12 08:27	1
1,3-Dichloropropane	ND		1.0		ug/L			08/31/12 08:27	1
1,1-Dichloropropene	ND		0.50		ug/L			08/31/12 08:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			08/31/12 08:27	1
Ethylene Dibromide	ND		0.50		ug/L			08/31/12 08:27	1
Dibromomethane	ND		0.50		ug/L			08/31/12 08:27	1
Dichlorodifluoromethane	ND		0.50		ug/L			08/31/12 08:27	1
1,1-Dichloroethane	ND		0.50		ug/L			08/31/12 08:27	1
1,2-Dichloroethane	ND		0.50		ug/L			08/31/12 08:27	1
1,1-Dichloroethene	ND		0.50		ug/L			08/31/12 08:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			08/31/12 08:27	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			08/31/12 08:27	1
1,2-Dichloropropane	ND		0.50		ug/L			08/31/12 08:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			08/31/12 08:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			08/31/12 08:27	1
Ethylbenzene	ND		0.50		ug/L			08/31/12 08:27	1
Hexachlorobutadiene	ND		1.0		ug/L			08/31/12 08:27	1
2-Hexanone	ND		50		ug/L			08/31/12 08:27	1
Isopropylbenzene	ND		0.50		ug/L			08/31/12 08:27	1
4-Isopropyltoluene	ND		1.0		ug/L			08/31/12 08:27	1
Methylene Chloride	ND		5.0		ug/L			08/31/12 08:27	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			08/31/12 08:27	1
Naphthalene	ND		1.0		ug/L			08/31/12 08:27	1
N-Propylbenzene	ND		1.0		ug/L			08/31/12 08:27	1
Styrene	ND		0.50		ug/L			08/31/12 08:27	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			08/31/12 08:27	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120110/4
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			08/31/12 08:27	1
Tetrachloroethene	ND		0.50		ug/L			08/31/12 08:27	1
Toluene	ND		0.50		ug/L			08/31/12 08:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			08/31/12 08:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			08/31/12 08:27	1
1,1,1-Trichloroethane	ND		0.50		ug/L			08/31/12 08:27	1
1,1,2-Trichloroethane	ND		0.50		ug/L			08/31/12 08:27	1
Trichloroethene	ND		0.50		ug/L			08/31/12 08:27	1
Trichlorofluoromethane	ND		1.0		ug/L			08/31/12 08:27	1
1,2,3-Trichloropropane	ND		0.50		ug/L			08/31/12 08:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			08/31/12 08:27	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			08/31/12 08:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			08/31/12 08:27	1
Vinyl acetate	ND		10		ug/L			08/31/12 08:27	1
Vinyl chloride	ND		0.50		ug/L			08/31/12 08:27	1
Xylenes, Total	ND		1.0		ug/L			08/31/12 08:27	1
2,2-Dichloropropane	ND		0.50		ug/L			08/31/12 08:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			08/31/12 08:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*08/31/12 08:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*		*08/31/12 08:27*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*08/31/12 08:27*	*1*

Lab Sample ID: LCS 720-120110/5
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.9		ug/L		104	62 - 130
Acetone	125	114		ug/L		92	26 - 180
Benzene	25.0	25.0		ug/L		100	79 - 130
Dichlorobromomethane	25.0	27.4		ug/L		110	70 - 130
Bromobenzene	25.0	25.4		ug/L		101	70 - 130
Chlorobromomethane	25.0	24.9		ug/L		99	70 - 130
Bromoform	25.0	23.6		ug/L		95	68 - 136
Bromomethane	25.0	25.2		ug/L		101	43 - 151
2-Butanone (MEK)	125	135		ug/L		108	54 - 130
n-Butylbenzene	25.0	27.2		ug/L		109	70 - 142
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 134
tert-Butylbenzene	25.0	27.6		ug/L		110	70 - 135
Carbon disulfide	25.0	30.6		ug/L		122	58 - 130
Carbon tetrachloride	25.0	27.9		ug/L		111	70 - 146
Chlorobenzene	25.0	25.4		ug/L		102	70 - 130
Chloroethane	25.0	24.6		ug/L		98	62 - 138
Chloroform	25.0	25.8		ug/L		103	70 - 130
Chloromethane	25.0	23.4		ug/L		94	52 - 175
2-Chlorotoluene	25.0	26.6		ug/L		107	70 - 130
4-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120110/5
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	28.0		ug/L		112	70 - 145
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	70 - 130
1,3-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130
1,4-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130
1,3-Dichloropropane	25.0	25.7		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	28.0		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	70 - 136
Ethylene Dibromide	25.0	27.0		ug/L		108	70 - 130
Dibromomethane	25.0	25.5		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	20.1		ug/L		80	34 - 132
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	25.9		ug/L		104	61 - 132
1,1-Dichloroethene	25.0	27.0		ug/L		108	64 - 128
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	70 - 130
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	68 - 130
1,2-Dichloropropane	25.0	25.5		ug/L		102	70 - 130
cis-1,3-Dichloropropene	25.0	29.1		ug/L		116	70 - 130
trans-1,3-Dichloropropene	25.0	28.4		ug/L		114	70 - 140
Ethylbenzene	25.0	25.4		ug/L		101	80 - 120
Hexachlorobutadiene	25.0	25.8		ug/L		103	70 - 130
2-Hexanone	125	122		ug/L		98	60 - 164
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130
4-Isopropyltoluene	25.0	26.1		ug/L		105	70 - 130
Methylene Chloride	25.0	26.8		ug/L		107	70 - 147
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		109	58 - 130
Naphthalene	25.0	26.0		ug/L		104	70 - 130
N-Propylbenzene	25.0	27.0		ug/L		108	70 - 130
Styrene	25.0	27.6		ug/L		110	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.5		ug/L		106	70 - 130
Tetrachloroethene	25.0	27.4		ug/L		110	70 - 130
Toluene	25.0	25.0		ug/L		100	78 - 120
1,2,3-Trichlorobenzene	25.0	23.2		ug/L		93	70 - 130
1,2,4-Trichlorobenzene	25.0	24.6		ug/L		98	70 - 130
1,1,1-Trichloroethane	25.0	28.3		ug/L		113	70 - 130
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	70 - 130
Trichloroethene	25.0	26.9		ug/L		108	70 - 130
Trichlorofluoromethane	25.0	23.1		ug/L		92	66 - 132
1,2,3-Trichloropropane	25.0	27.2		ug/L		109	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	27.4		ug/L		110	42 - 162
1,2,4-Trimethylbenzene	25.0	25.8		ug/L		103	70 - 132
1,3,5-Trimethylbenzene	25.0	26.7		ug/L		107	70 - 130
Vinyl acetate	25.0	25.6		ug/L		102	43 - 163
Vinyl chloride	25.0	21.9		ug/L		87	54 - 135
m-Xylene & p-Xylene	50.0	50.9		ug/L		102	70 - 142
o-Xylene	25.0	26.1		ug/L		104	70 - 130
2,2-Dichloropropane	25.0	31.4		ug/L		126	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120110/5
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-120110/7
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	477		ug/L		95	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-120110/6
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.4		ug/L		102	62 - 130	2	20
Acetone	125	107		ug/L		86	26 - 180	7	30
Benzene	25.0	25.3		ug/L		101	79 - 130	1	20
Dichlorobromomethane	25.0	27.5		ug/L		110	70 - 130	0	20
Bromobenzene	25.0	25.7		ug/L		103	70 - 130	1	20
Chlorobromomethane	25.0	25.0		ug/L		100	70 - 130	0	20
Bromoform	25.0	23.0		ug/L		92	68 - 136	3	20
Bromomethane	25.0	25.9		ug/L		103	43 - 151	3	20
2-Butanone (MEK)	125	113		ug/L		90	54 - 130	18	20
n-Butylbenzene	25.0	27.4		ug/L		109	70 - 142	0	20
sec-Butylbenzene	25.0	26.9		ug/L		107	70 - 134	2	20
tert-Butylbenzene	25.0	28.2		ug/L		113	70 - 135	2	20
Carbon disulfide	25.0	30.6		ug/L		123	58 - 130	0	20
Carbon tetrachloride	25.0	28.9		ug/L		116	70 - 146	4	20
Chlorobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chloroethane	25.0	24.8		ug/L		99	62 - 138	1	20
Chloroform	25.0	26.1		ug/L		105	70 - 130	1	20
Chloromethane	25.0	23.8		ug/L		95	52 - 175	2	20
2-Chlorotoluene	25.0	26.9		ug/L		107	70 - 130	1	20
4-Chlorotoluene	25.0	26.0		ug/L		104	70 - 130	0	20
Chlorodibromomethane	25.0	27.7		ug/L		111	70 - 145	1	20
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	0	20
1,3-Dichlorobenzene	25.0	26.4		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	70 - 130	2	20
1,3-Dichloropropane	25.0	25.0		ug/L		100	70 - 130	2	20
1,1-Dichloropropene	25.0	28.4		ug/L		114	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		97	70 - 136	8	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120110/6
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	26.5		ug/L		106	70 - 130	2	20
Dibromomethane	25.0	24.8		ug/L		99	70 - 130	3	20
Dichlorodifluoromethane	25.0	20.4		ug/L		81	34 - 132	1	20
1,1-Dichloroethane	25.0	26.6		ug/L		106	70 - 130	3	20
1,2-Dichloroethane	25.0	25.9		ug/L		104	61 - 132	0	20
1,1-Dichloroethene	25.0	27.2		ug/L		109	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	27.8		ug/L		111	70 - 130	2	20
trans-1,2-Dichloroethene	25.0	27.3		ug/L		109	68 - 130	1	20
1,2-Dichloropropane	25.0	26.0		ug/L		104	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	29.3		ug/L		117	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	70 - 140	1	20
Ethylbenzene	25.0	25.5		ug/L		102	80 - 120	0	20
Hexachlorobutadiene	25.0	25.9		ug/L		103	70 - 130	0	20
2-Hexanone	125	112		ug/L		90	60 - 164	9	20
Isopropylbenzene	25.0	27.7		ug/L		111	70 - 130	0	20
4-Isopropyltoluene	25.0	26.5		ug/L		106	70 - 130	1	20
Methylene Chloride	25.0	27.2		ug/L		109	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		100	58 - 130	9	20
Naphthalene	25.0	24.7		ug/L		99	70 - 130	5	20
N-Propylbenzene	25.0	27.5		ug/L		110	70 - 130	2	20
Styrene	25.0	27.7		ug/L		111	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	70 - 130	5	20
Tetrachloroethene	25.0	27.8		ug/L		111	70 - 130	1	20
Toluene	25.0	25.2		ug/L		101	78 - 120	0	20
1,2,3-Trichlorobenzene	25.0	23.2		ug/L		93	70 - 130	0	20
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	1	20
1,1,1-Trichloroethane	25.0	28.7		ug/L		115	70 - 130	2	20
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	70 - 130	4	20
Trichloroethene	25.0	27.5		ug/L		110	70 - 130	2	20
Trichlorofluoromethane	25.0	23.3		ug/L		93	66 - 132	1	20
1,2,3-Trichloropropane	25.0	26.7		ug/L		107	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.6		ug/L		111	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	26.0		ug/L		104	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	26.9		ug/L		107	70 - 130	1	20
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163	4	20
Vinyl chloride	25.0	22.1		ug/L		88	54 - 135	1	20
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 142	0	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	0	20
2,2-Dichloropropane	25.0	32.4		ug/L		129	70 - 140	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120110/8
Matrix: Water
Analysis Batch: 120110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	473		ug/L		95	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

GC/MS VOA

Analysis Batch: 120110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44293-1	MW-03-(15-20)-GW	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120110/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120110/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120110/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120110/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120110/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Client Sample ID: MW-03-(15-20)-GW

Date Collected: 08/31/12 08:53
Date Received: 08/31/12 11:10

Lab Sample ID: 720-44293-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120110	08/31/12 16:08	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44293-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44293-1	MW-03-(15-20)-GW	Water	08/31/12 08:53	08/31/12 11:10

12

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720.44293

OAK 17999

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Avery			DATE: 8/31/12 PAGE 1 OF 1
PROJECT NUMBER: 0010160070	LABORATORY NAME: Test America	CLIENT INFORMATION:	REPORTING REQUIREMENTS: 140505
RESULTS TO: Avery Patton	LABORATORY ADDRESS:		
TURNAROUND TIME: 24-hour	Pleasanton CA		
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: Hannah Salimpour		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: (925) 484-1919		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	VOC 8260	TPHg 8260	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
8/31/12	0853	MW-03-(15-20)-GW	X	X	40mL VOA	W	N	HCl	Y	N	3	24 hr TAT

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	08/31/12	1052	SIGNATURE:	08/31/12	1052
PRINTED NAME: Niner Torres			PRINTED NAME: Javier Molina		
COMPANY: AMEC			COMPANY: TASF		
SIGNATURE:	08/31/12	1110	SIGNATURE:	8-31-12	1110
PRINTED NAME: Sandra Molina			PRINTED NAME:		
COMPANY: TASF			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: 2.4°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

9/4/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44293-1

Login Number: 44293
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44321-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/5/2012 3:45:11 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44321-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44321-1

Comments
No additional comments.

Receipt
The samples were received on 9/4/2012 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA
Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 720-44321-1 is due to the presence of discrete peak (PCE).

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Client Sample ID: SB-42

Lab Sample ID: 720-44321-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	140		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	120	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: TB-4

Lab Sample ID: 720-44321-2

No Detections

Client Sample ID: SB-43

Lab Sample ID: 720-44321-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	25		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-42
Date Collected: 09/04/12 12:35
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/04/12 20:03	1
Acetone	ND		50 UJ		ug/L			09/04/12 20:03	1
Benzene	ND		0.50		ug/L			09/04/12 20:03	1
Dichlorobromomethane	ND		0.50		ug/L			09/04/12 20:03	1
Bromobenzene	ND		1.0		ug/L			09/04/12 20:03	1
Chlorobromomethane	ND		1.0		ug/L			09/04/12 20:03	1
Bromoform	ND		1.0		ug/L			09/04/12 20:03	1
Bromomethane	ND		1.0		ug/L			09/04/12 20:03	1
2-Butanone (MEK)	ND		50		ug/L			09/04/12 20:03	1
n-Butylbenzene	ND		1.0		ug/L			09/04/12 20:03	1
sec-Butylbenzene	ND		1.0		ug/L			09/04/12 20:03	1
tert-Butylbenzene	ND		1.0		ug/L			09/04/12 20:03	1
Carbon disulfide	ND		5.0		ug/L			09/04/12 20:03	1
Carbon tetrachloride	ND		0.50		ug/L			09/04/12 20:03	1
Chlorobenzene	ND		0.50		ug/L			09/04/12 20:03	1
Chloroethane	ND		1.0		ug/L			09/04/12 20:03	1
Chloroform	ND		1.0		ug/L			09/04/12 20:03	1
Chloromethane	ND		1.0		ug/L			09/04/12 20:03	1
2-Chlorotoluene	ND		0.50		ug/L			09/04/12 20:03	1
4-Chlorotoluene	ND		0.50		ug/L			09/04/12 20:03	1
Chlorodibromomethane	ND		0.50		ug/L			09/04/12 20:03	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:03	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:03	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:03	1
1,3-Dichloropropane	ND		1.0		ug/L			09/04/12 20:03	1
1,1-Dichloropropene	ND		0.50		ug/L			09/04/12 20:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/04/12 20:03	1
Ethylene Dibromide	ND		0.50		ug/L			09/04/12 20:03	1
Dibromomethane	ND		0.50		ug/L			09/04/12 20:03	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/04/12 20:03	1
1,1-Dichloroethane	ND		0.50		ug/L			09/04/12 20:03	1
1,2-Dichloroethane	ND		0.50		ug/L			09/04/12 20:03	1
1,1-Dichloroethene	ND		0.50		ug/L			09/04/12 20:03	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 20:03	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 20:03	1
1,2-Dichloropropane	ND		0.50		ug/L			09/04/12 20:03	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 20:03	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 20:03	1
Ethylbenzene	ND		0.50		ug/L			09/04/12 20:03	1
Hexachlorobutadiene	ND		1.0		ug/L			09/04/12 20:03	1
2-Hexanone	ND		50		ug/L			09/04/12 20:03	1
Isopropylbenzene	ND		0.50		ug/L			09/04/12 20:03	1
4-Isopropyltoluene	ND		1.0		ug/L			09/04/12 20:03	1
Methylene Chloride	ND		5.0		ug/L			09/04/12 20:03	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/04/12 20:03	1
Naphthalene	ND		1.0		ug/L			09/04/12 20:03	1
N-Propylbenzene	ND		1.0		ug/L			09/04/12 20:03	1
Styrene	ND		0.50		ug/L			09/04/12 20:03	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 20:03	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 20:03	1
Tetrachloroethene	**140**		0.50		ug/L			09/04/12 20:03	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-42
Date Collected: 09/04/12 12:35
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/04/12 20:03	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/04/12 20:03	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/04/12 20:03	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/04/12 20:03	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/04/12 20:03	1
Trichloroethene	ND		0.50		ug/L			09/04/12 20:03	1
Trichlorofluoromethane	ND		1.0		ug/L			09/04/12 20:03	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/04/12 20:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/04/12 20:03	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/04/12 20:03	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/04/12 20:03	1
Vinyl acetate	ND		10		ug/L			09/04/12 20:03	1
Vinyl chloride	ND		0.50		ug/L			09/04/12 20:03	1
Xylenes, Total	ND		1.0		ug/L			09/04/12 20:03	1
2,2-Dichloropropane	ND		0.50		ug/L			09/04/12 20:03	1
Gasoline Range Organics (GRO) -C5-C12	**120**	R	50		ug/L			09/04/12 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*09/04/12 20:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*09/04/12 20:03*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/04/12 20:03*	*1*

Client Sample ID: TB-4
Date Collected: 09/04/12 15:50
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/04/12 19:32	1
Acetone	ND		50		ug/L			09/04/12 19:32	1
Benzene	ND		0.50		ug/L			09/04/12 19:32	1
Dichlorobromomethane	ND		0.50		ug/L			09/04/12 19:32	1
Bromobenzene	ND		1.0		ug/L			09/04/12 19:32	1
Chlorobromomethane	ND		1.0		ug/L			09/04/12 19:32	1
Bromoform	ND		1.0		ug/L			09/04/12 19:32	1
Bromomethane	ND		1.0		ug/L			09/04/12 19:32	1
2-Butanone (MEK)	ND		50		ug/L			09/04/12 19:32	1
n-Butylbenzene	ND		1.0		ug/L			09/04/12 19:32	1
sec-Butylbenzene	ND		1.0		ug/L			09/04/12 19:32	1
tert-Butylbenzene	ND		1.0		ug/L			09/04/12 19:32	1
Carbon disulfide	ND		5.0		ug/L			09/04/12 19:32	1
Carbon tetrachloride	ND		0.50		ug/L			09/04/12 19:32	1
Chlorobenzene	ND		0.50		ug/L			09/04/12 19:32	1
Chloroethane	ND		1.0		ug/L			09/04/12 19:32	1
Chloroform	ND		1.0		ug/L			09/04/12 19:32	1
Chloromethane	ND		1.0		ug/L			09/04/12 19:32	1
2-Chlorotoluene	ND		0.50		ug/L			09/04/12 19:32	1
4-Chlorotoluene	ND		0.50		ug/L			09/04/12 19:32	1
Chlorodibromomethane	ND		0.50		ug/L			09/04/12 19:32	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/04/12 19:32	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/04/12 19:32	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/04/12 19:32	1
1,3-Dichloropropane	ND		1.0		ug/L			09/04/12 19:32	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB-4
Date Collected: 09/04/12 15:50
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/04/12 19:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/04/12 19:32	1
Ethylene Dibromide	ND		0.50		ug/L			09/04/12 19:32	1
Dibromomethane	ND		0.50		ug/L			09/04/12 19:32	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/04/12 19:32	1
1,1-Dichloroethane	ND		0.50		ug/L			09/04/12 19:32	1
1,2-Dichloroethane	ND		0.50		ug/L			09/04/12 19:32	1
1,1-Dichloroethene	ND		0.50		ug/L			09/04/12 19:32	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 19:32	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 19:32	1
1,2-Dichloropropane	ND		0.50		ug/L			09/04/12 19:32	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 19:32	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 19:32	1
Ethylbenzene	ND		0.50		ug/L			09/04/12 19:32	1
Hexachlorobutadiene	ND		1.0		ug/L			09/04/12 19:32	1
2-Hexanone	ND		50		ug/L			09/04/12 19:32	1
Isopropylbenzene	ND		0.50		ug/L			09/04/12 19:32	1
4-Isopropyltoluene	ND		1.0		ug/L			09/04/12 19:32	1
Methylene Chloride	ND		5.0		ug/L			09/04/12 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/04/12 19:32	1
Naphthalene	ND		1.0		ug/L			09/04/12 19:32	1
N-Propylbenzene	ND		1.0		ug/L			09/04/12 19:32	1
Styrene	ND		0.50		ug/L			09/04/12 19:32	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 19:32	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 19:32	1
Tetrachloroethene	ND		0.50		ug/L			09/04/12 19:32	1
Toluene	ND		0.50		ug/L			09/04/12 19:32	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/04/12 19:32	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/04/12 19:32	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/04/12 19:32	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/04/12 19:32	1
Trichloroethene	ND		0.50		ug/L			09/04/12 19:32	1
Trichlorofluoromethane	ND		1.0		ug/L			09/04/12 19:32	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/04/12 19:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/04/12 19:32	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/04/12 19:32	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/04/12 19:32	1
Vinyl acetate	ND		10		ug/L			09/04/12 19:32	1
Vinyl chloride	ND		0.50		ug/L			09/04/12 19:32	1
Xylenes, Total	ND		1.0		ug/L			09/04/12 19:32	1
2,2-Dichloropropane	ND		0.50		ug/L			09/04/12 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*67 - 130*		*09/04/12 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*09/04/12 19:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/04/12 19:32*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-43
Date Collected: 09/04/12 00:00
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/04/12 20:33	1
Acetone	ND		50 UJ		ug/L			09/04/12 20:33	1
Benzene	ND		0.50		ug/L			09/04/12 20:33	1
Dichlorobromomethane	ND		0.50		ug/L			09/04/12 20:33	1
Bromobenzene	ND		1.0		ug/L			09/04/12 20:33	1
Chlorobromomethane	ND		1.0		ug/L			09/04/12 20:33	1
Bromoform	ND		1.0		ug/L			09/04/12 20:33	1
Bromomethane	ND		1.0		ug/L			09/04/12 20:33	1
2-Butanone (MEK)	ND		50		ug/L			09/04/12 20:33	1
n-Butylbenzene	ND		1.0		ug/L			09/04/12 20:33	1
sec-Butylbenzene	ND		1.0		ug/L			09/04/12 20:33	1
tert-Butylbenzene	ND		1.0		ug/L			09/04/12 20:33	1
Carbon disulfide	ND		5.0		ug/L			09/04/12 20:33	1
Carbon tetrachloride	ND		0.50		ug/L			09/04/12 20:33	1
Chlorobenzene	ND		0.50		ug/L			09/04/12 20:33	1
Chloroethane	ND		1.0		ug/L			09/04/12 20:33	1
Chloroform	ND		1.0		ug/L			09/04/12 20:33	1
Chloromethane	ND		1.0		ug/L			09/04/12 20:33	1
2-Chlorotoluene	ND		0.50		ug/L			09/04/12 20:33	1
4-Chlorotoluene	ND		0.50		ug/L			09/04/12 20:33	1
Chlorodibromomethane	ND		0.50		ug/L			09/04/12 20:33	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:33	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:33	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/04/12 20:33	1
1,3-Dichloropropane	ND		1.0		ug/L			09/04/12 20:33	1
1,1-Dichloropropene	ND		0.50		ug/L			09/04/12 20:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/04/12 20:33	1
Ethylene Dibromide	ND		0.50		ug/L			09/04/12 20:33	1
Dibromomethane	ND		0.50		ug/L			09/04/12 20:33	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/04/12 20:33	1
1,1-Dichloroethane	ND		0.50		ug/L			09/04/12 20:33	1
1,2-Dichloroethane	ND		0.50		ug/L			09/04/12 20:33	1
1,1-Dichloroethene	ND		0.50		ug/L			09/04/12 20:33	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 20:33	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 20:33	1
1,2-Dichloropropane	ND		0.50		ug/L			09/04/12 20:33	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 20:33	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 20:33	1
Ethylbenzene	ND		0.50		ug/L			09/04/12 20:33	1
Hexachlorobutadiene	ND		1.0		ug/L			09/04/12 20:33	1
2-Hexanone	ND		50		ug/L			09/04/12 20:33	1
Isopropylbenzene	ND		0.50		ug/L			09/04/12 20:33	1
4-Isopropyltoluene	ND		1.0		ug/L			09/04/12 20:33	1
Methylene Chloride	ND		5.0		ug/L			09/04/12 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/04/12 20:33	1
Naphthalene	ND		1.0		ug/L			09/04/12 20:33	1
N-Propylbenzene	ND		1.0		ug/L			09/04/12 20:33	1
Styrene	ND		0.50		ug/L			09/04/12 20:33	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 20:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 20:33	1
Tetrachloroethene	**25**		0.50		ug/L			09/04/12 20:33	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-43
Date Collected: 09/04/12 00:00
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44321-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/04/12 20:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/04/12 20:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/04/12 20:33	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/04/12 20:33	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/04/12 20:33	1
Trichloroethene	ND		0.50		ug/L			09/04/12 20:33	1
Trichlorofluoromethane	ND		1.0		ug/L			09/04/12 20:33	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/04/12 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/04/12 20:33	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/04/12 20:33	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/04/12 20:33	1
Vinyl acetate	ND		10		ug/L			09/04/12 20:33	1
Vinyl chloride	ND		0.50		ug/L			09/04/12 20:33	1
Xylenes, Total	ND		1.0		ug/L			09/04/12 20:33	1
2,2-Dichloropropane	ND		0.50		ug/L			09/04/12 20:33	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/04/12 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*67 - 130*		*09/04/12 20:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/04/12 20:33*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/04/12 20:33*	*1*

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120241/8
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/04/12 16:27	1
Acetone	ND		50		ug/L			09/04/12 16:27	1
Benzene	ND		0.50		ug/L			09/04/12 16:27	1
Dichlorobromomethane	ND		0.50		ug/L			09/04/12 16:27	1
Bromobenzene	ND		1.0		ug/L			09/04/12 16:27	1
Chlorobromomethane	ND		1.0		ug/L			09/04/12 16:27	1
Bromoform	ND		1.0		ug/L			09/04/12 16:27	1
Bromomethane	ND		1.0		ug/L			09/04/12 16:27	1
2-Butanone (MEK)	ND		50		ug/L			09/04/12 16:27	1
n-Butylbenzene	ND		1.0		ug/L			09/04/12 16:27	1
sec-Butylbenzene	ND		1.0		ug/L			09/04/12 16:27	1
tert-Butylbenzene	ND		1.0		ug/L			09/04/12 16:27	1
Carbon disulfide	ND		5.0		ug/L			09/04/12 16:27	1
Carbon tetrachloride	ND		0.50		ug/L			09/04/12 16:27	1
Chlorobenzene	ND		0.50		ug/L			09/04/12 16:27	1
Chloroethane	ND		1.0		ug/L			09/04/12 16:27	1
Chloroform	ND		1.0		ug/L			09/04/12 16:27	1
Chloromethane	ND		1.0		ug/L			09/04/12 16:27	1
2-Chlorotoluene	ND		0.50		ug/L			09/04/12 16:27	1
4-Chlorotoluene	ND		0.50		ug/L			09/04/12 16:27	1
Chlorodibromomethane	ND		0.50		ug/L			09/04/12 16:27	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/04/12 16:27	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/04/12 16:27	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/04/12 16:27	1
1,3-Dichloropropane	ND		1.0		ug/L			09/04/12 16:27	1
1,1-Dichloropropene	ND		0.50		ug/L			09/04/12 16:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/04/12 16:27	1
Ethylene Dibromide	ND		0.50		ug/L			09/04/12 16:27	1
Dibromomethane	ND		0.50		ug/L			09/04/12 16:27	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/04/12 16:27	1
1,1-Dichloroethane	ND		0.50		ug/L			09/04/12 16:27	1
1,2-Dichloroethane	ND		0.50		ug/L			09/04/12 16:27	1
1,1-Dichloroethene	ND		0.50		ug/L			09/04/12 16:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 16:27	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/04/12 16:27	1
1,2-Dichloropropane	ND		0.50		ug/L			09/04/12 16:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 16:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/04/12 16:27	1
Ethylbenzene	ND		0.50		ug/L			09/04/12 16:27	1
Hexachlorobutadiene	ND		1.0		ug/L			09/04/12 16:27	1
2-Hexanone	ND		50		ug/L			09/04/12 16:27	1
Isopropylbenzene	ND		0.50		ug/L			09/04/12 16:27	1
4-Isopropyltoluene	ND		1.0		ug/L			09/04/12 16:27	1
Methylene Chloride	ND		5.0		ug/L			09/04/12 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/04/12 16:27	1
Naphthalene	ND		1.0		ug/L			09/04/12 16:27	1
N-Propylbenzene	ND		1.0		ug/L			09/04/12 16:27	1
Styrene	ND		0.50		ug/L			09/04/12 16:27	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 16:27	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120241/8
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/04/12 16:27	1
Tetrachloroethene	ND		0.50		ug/L			09/04/12 16:27	1
Toluene	ND		0.50		ug/L			09/04/12 16:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/04/12 16:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/04/12 16:27	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/04/12 16:27	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/04/12 16:27	1
Trichloroethene	ND		0.50		ug/L			09/04/12 16:27	1
Trichlorofluoromethane	ND		1.0		ug/L			09/04/12 16:27	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/04/12 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/04/12 16:27	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/04/12 16:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/04/12 16:27	1
Vinyl acetate	ND		10		ug/L			09/04/12 16:27	1
Vinyl chloride	ND		0.50		ug/L			09/04/12 16:27	1
Xylenes, Total	ND		1.0		ug/L			09/04/12 16:27	1
2,2-Dichloropropane	ND		0.50		ug/L			09/04/12 16:27	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/04/12 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*09/04/12 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*		*09/04/12 16:27*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*09/04/12 16:27*	*1*

Lab Sample ID: LCS 720-120241/11
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	488		ug/L		98	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCS 720-120241/9
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.5		ug/L		102	62 - 130
Acetone	125	113		ug/L		91	26 - 180
Benzene	25.0	24.1		ug/L		97	79 - 130
Dichlorobromomethane	25.0	27.5		ug/L		110	70 - 130
Bromobenzene	25.0	24.8		ug/L		99	70 - 130
Chlorobromomethane	25.0	24.3		ug/L		97	70 - 130
Bromoform	25.0	26.1		ug/L		104	68 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120241/9
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	24.6		ug/L		98	43 - 151
2-Butanone (MEK)	125	121		ug/L		97	54 - 130
n-Butylbenzene	25.0	26.2		ug/L		105	70 - 142
sec-Butylbenzene	25.0	25.1		ug/L		100	70 - 134
tert-Butylbenzene	25.0	26.7		ug/L		107	70 - 135
Carbon disulfide	25.0	29.9		ug/L		120	58 - 130
Carbon tetrachloride	25.0	29.6		ug/L		118	70 - 146
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130
Chloroethane	25.0	24.0		ug/L		96	62 - 138
Chloroform	25.0	25.6		ug/L		102	70 - 130
Chloromethane	25.0	23.1		ug/L		92	52 - 175
2-Chlorotoluene	25.0	25.6		ug/L		102	70 - 130
4-Chlorotoluene	25.0	24.8		ug/L		99	70 - 130
Chlorodibromomethane	25.0	29.7		ug/L		119	70 - 145
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	70 - 130
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130
1,4-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	24.5		ug/L		98	70 - 130
1,1-Dichloropropene	25.0	27.3		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	27.5		ug/L		110	70 - 136
Ethylene Dibromide	25.0	26.6		ug/L		106	70 - 130
Dibromomethane	25.0	25.1		ug/L		100	70 - 130
Dichlorodifluoromethane	25.0	16.9		ug/L		67	34 - 132
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	25.4		ug/L		102	61 - 132
1,1-Dichloroethene	25.0	26.7		ug/L		107	64 - 128
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	70 - 130
trans-1,2-Dichloroethene	25.0	26.3		ug/L		105	68 - 130
1,2-Dichloropropane	25.0	24.3		ug/L		97	70 - 130
cis-1,3-Dichloropropene	25.0	29.0		ug/L		116	70 - 130
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	70 - 140
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	25.9		ug/L		104	70 - 130
2-Hexanone	125	116		ug/L		93	60 - 164
Isopropylbenzene	25.0	27.1		ug/L		108	70 - 130
4-Isopropyltoluene	25.0	25.2		ug/L		101	70 - 130
Methylene Chloride	25.0	26.3		ug/L		105	70 - 147
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	58 - 130
Naphthalene	25.0	24.6		ug/L		98	70 - 130
N-Propylbenzene	25.0	25.7		ug/L		103	70 - 130
Styrene	25.0	26.8		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	25.0	28.2		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	70 - 130
Tetrachloroethene	25.0	27.2		ug/L		109	70 - 130
Toluene	25.0	24.3		ug/L		97	78 - 120
1,2,3-Trichlorobenzene	25.0	22.7		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	25.0	24.1		ug/L		96	70 - 130
1,1,1-Trichloroethane	25.0	28.9		ug/L		116	70 - 130
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	70 - 130
Trichloroethene	25.0	26.6		ug/L		107	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120241/9
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	25.0	25.1		ug/L		101	66 - 132
1,2,3-Trichloropropane	25.0	27.6		ug/L		110	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.7		ug/L		107	42 - 162
1,2,4-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 130
Vinyl acetate	25.0	23.4		ug/L		94	43 - 163
Vinyl chloride	25.0	22.9		ug/L		92	54 - 135
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	70 - 142
o-Xylene	25.0	25.3		ug/L		101	70 - 130
2,2-Dichloropropane	25.0	31.2		ug/L		125	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 720-120241/10
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.7		ug/L		103	62 - 130	1	20
Acetone	125	111		ug/L		89	26 - 180	2	30
Benzene	25.0	24.5		ug/L		98	79 - 130	1	20
Dichlorobromomethane	25.0	27.9		ug/L		112	70 - 130	1	20
Bromobenzene	25.0	25.3		ug/L		101	70 - 130	2	20
Chlorobromomethane	25.0	24.8		ug/L		99	70 - 130	2	20
Bromoform	25.0	26.5		ug/L		106	68 - 136	2	20
Bromomethane	25.0	24.6		ug/L		99	43 - 151	0	20
2-Butanone (MEK)	125	131		ug/L		105	54 - 130	8	20
n-Butylbenzene	25.0	26.2		ug/L		105	70 - 142	0	20
sec-Butylbenzene	25.0	25.7		ug/L		103	70 - 134	2	20
tert-Butylbenzene	25.0	27.5		ug/L		110	70 - 135	3	20
Carbon disulfide	25.0	29.8		ug/L		119	58 - 130	0	20
Carbon tetrachloride	25.0	30.6		ug/L		123	70 - 146	3	20
Chlorobenzene	25.0	24.9		ug/L		100	70 - 130	1	20
Chloroethane	25.0	24.1		ug/L		96	62 - 138	0	20
Chloroform	25.0	26.2		ug/L		105	70 - 130	2	20
Chloromethane	25.0	23.3		ug/L		93	52 - 175	1	20
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130	3	20
4-Chlorotoluene	25.0	25.0		ug/L		100	70 - 130	1	20
Chlorodibromomethane	25.0	29.9		ug/L		119	70 - 145	0	20
1,2-Dichlorobenzene	25.0	25.1		ug/L		101	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	0	20
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	70 - 130	2	20
1,3-Dichloropropane	25.0	24.5		ug/L		98	70 - 130	0	20
1,1-Dichloropropene	25.0	27.9		ug/L		111	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	25.0	28.2		ug/L		113	70 - 136	3	20
Ethylene Dibromide	25.0	26.8		ug/L		107	70 - 130	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120241/10
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromomethane	25.0	25.2		ug/L		101	70 - 130	1	20
Dichlorodifluoromethane	25.0	17.1		ug/L		68	34 - 132	1	20
1,1-Dichloroethane	25.0	25.4		ug/L		102	70 - 130	2	20
1,2-Dichloroethane	25.0	25.6		ug/L		102	61 - 132	1	20
1,1-Dichloroethene	25.0	27.0		ug/L		108	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	26.9		ug/L		107	68 - 130	2	20
1,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130	2	20
cis-1,3-Dichloropropene	25.0	29.3		ug/L		117	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	70 - 140	0	20
Ethylbenzene	25.0	24.5		ug/L		98	80 - 120	0	20
Hexachlorobutadiene	25.0	26.9		ug/L		107	70 - 130	4	20
2-Hexanone	125	116		ug/L		93	60 - 164	1	20
Isopropylbenzene	25.0	27.3		ug/L		109	70 - 130	1	20
4-Isopropyltoluene	25.0	25.5		ug/L		102	70 - 130	1	20
Methylene Chloride	25.0	26.9		ug/L		107	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	130		ug/L		104	58 - 130	1	20
Naphthalene	25.0	25.8		ug/L		103	70 - 130	5	20
N-Propylbenzene	25.0	26.2		ug/L		105	70 - 130	2	20
Styrene	25.0	27.0		ug/L		108	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	28.1		ug/L		112	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 130	2	20
Tetrachloroethene	25.0	28.2		ug/L		113	70 - 130	4	20
Toluene	25.0	24.4		ug/L		98	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	23.3		ug/L		93	70 - 130	3	20
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	70 - 130	2	20
1,1,1-Trichloroethane	25.0	29.1		ug/L		116	70 - 130	1	20
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	70 - 130	0	20
Trichloroethene	25.0	27.3		ug/L		109	70 - 130	3	20
Trichlorofluoromethane	25.0	25.2		ug/L		101	66 - 132	0	20
1,2,3-Trichloropropane	25.0	27.9		ug/L		112	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.5		ug/L		110	42 - 162	3	20
1,2,4-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 132	2	20
1,3,5-Trimethylbenzene	25.0	26.0		ug/L		104	70 - 130	2	20
Vinyl acetate	25.0	23.3		ug/L		93	43 - 163	1	20
Vinyl chloride	25.0	23.3		ug/L		93	54 - 135	1	20
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 142	1	20
o-Xylene	25.0	25.1		ug/L		100	70 - 130	1	20
2,2-Dichloropropane	25.0	31.8		ug/L		127	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120241/12
Matrix: Water
Analysis Batch: 120241

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			500	486		ug/L		97	62 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

GC/MS VOA

Analysis Batch: 120241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44321-1	SB-42	Total/NA	Water	8260B/CA_LUFT MS	
720-44321-2	TB-4	Total/NA	Water	8260B/CA_LUFT MS	
720-44321-3	SB-43	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120241/11	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120241/9	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120241/10	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120241/12	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120241/8	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Client Sample ID: SB-42

Lab Sample ID: 720-44321-1

Date Collected: 09/04/12 12:35
Date Received: 09/04/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120241	09/04/12 20:03	AC	TAL SF

Client Sample ID: TB-4

Lab Sample ID: 720-44321-2

Date Collected: 09/04/12 15:50
Date Received: 09/04/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120241	09/04/12 19:32	AC	TAL SF

Client Sample ID: SB-43

Lab Sample ID: 720-44321-3

Date Collected: 09/04/12 00:00
Date Received: 09/04/12 16:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120241	09/04/12 20:33	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44321-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44321-1	SB-42	Water	09/04/12 12:35	09/04/12 16:35
720-44321-2	TB-4	Water	09/04/12 15:50	09/04/12 16:35
720-44321-3	SB-43	Water	09/04/12 00:00	09/04/12 16:35

OAK 18021

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevrolet

DATE: 9/4/12 PAGE OF

PROJECT NUMBER: 0D101600700.00002

RESULTS TO: Avery.Patton@amec.com

TURNAROUND TIME: 24 HR RUSH

SAMPLE SHIPMENT METHOD: Courier

LABORATORY NAME: Test America

LABORATORY ADDRESS: 1220 Quarry Ln Pleasanton CA

LABORATORY CONTACT: Arsaneh

LABORATORY PHONE NUMBER: 925-484-1919

CLIENT INFORMATION: AMEC

720-44321

REPORTING REQUIREMENTS: 140539

GEOTRACKER REQUIRED: YES (circled) NO

SITE SPECIFIC GLOBAL ID NO. T1000000161U

SAMPLERS (SIGNATURE):

2.1°C

ANALYSES

DATE	TIME	SAMPLE NUMBER	VOC's + TPHg (8260B)	VOC's (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9/4/12	1235	SB-42	X		VOA	W	N	HCl	Y	N	3	24 HR TAT
	1550	TB-4		X	VOA	W	N	HCl	Y	N	3	Standard TAT
↓		SB-43	X		VOA	W	N	HCl	Y	N	3	24 HR TAT

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: / PRINTED NAME: / COMPANY:	9/4/12	1617	SIGNATURE: / PRINTED NAME: T. Stitt / COMPANY: TASF	9/4/12	1618
SIGNATURE: / PRINTED NAME: T. Stitt / COMPANY: TASF	9/4/12	1635	SIGNATURE: / PRINTED NAME: T. Bulloca / COMPANY: TASF	9/4/12	1635
SIGNATURE: / PRINTED NAME: / COMPANY:			SIGNATURE: / PRINTED NAME: / COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: 2.1°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44321-1

Login Number: 44321
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44325-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/11/2012 5:24:08 PM
Dimple Sharma
Project Manager I
dimple.sharma@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44325-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44325-1

Comments
No additional comments.

Receipt
The sample was received on 9/4/2012 4:35 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch #120329 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 720-120329/2).

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Client Sample ID: SB-46-13.8

Lab Sample ID: 720-44325-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	7.4		4.2		ug/Kg	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	1600		210		ug/Kg	1		8260B/CA_LUFT MS	Total/NA

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Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-46-13.8
Date Collected: 09/04/12 14:20
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44325-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Acetone	ND		42		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Benzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Dichlorobromomethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Bromobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chlorobromomethane	ND		17		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Bromoform	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Bromomethane	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
2-Butanone (MEK)	ND		42		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
n-Butylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
sec-Butylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
tert-Butylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Carbon disulfide	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Carbon tetrachloride	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chloroethane	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chloroform	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chloromethane	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
2-Chlorotoluene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
4-Chlorotoluene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Chlorodibromomethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2-Dichlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,3-Dichlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,4-Dichlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,3-Dichloropropane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1-Dichloropropene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2-Dibromo-3-Chloropropane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Ethylene Dibromide	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Dibromomethane	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Dichlorodifluoromethane	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1-Dichloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2-Dichloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1-Dichloroethene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
cis-1,2-Dichloroethene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
trans-1,2-Dichloroethene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2-Dichloropropane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
cis-1,3-Dichloropropene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
trans-1,3-Dichloropropene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Ethylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Hexachlorobutadiene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
2-Hexanone	ND		42		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Isopropylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
4-Isopropyltoluene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Methylene Chloride	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
4-Methyl-2-pentanone (MIBK)	ND		42		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Naphthalene	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
N-Propylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Styrene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1,1,2-Tetrachloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1,2,2-Tetrachloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Tetrachloroethene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-46-13.8
Date Collected: 09/04/12 14:20
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44325-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2,3-Trichlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2,4-Trichlorobenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1,1-Trichloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1,2-Trichloroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Trichloroethene	**7.4**		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Trichlorofluoromethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2,3-Trichloropropane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,2,4-Trimethylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
1,3,5-Trimethylbenzene	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Vinyl acetate	ND		42 UJ		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Vinyl chloride	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Xylenes, Total	ND		8.3		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
2,2-Dichloropropane	ND		4.2		ug/Kg		09/04/12 18:50	09/06/12 02:41	1
Gasoline Range Organics (GRO) -C5-C12	**1600**		210		ug/Kg		09/04/12 18:50	09/06/12 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*		*45 - 131*	*09/04/12 18:50*	*09/06/12 02:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*09/04/12 18:50*	*09/06/12 02:41*	*1*
Toluene-d8 (Surr)	*116*		*58 - 140*	*09/04/12 18:50*	*09/06/12 02:41*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120357/1-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Acetone	ND		50		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Benzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Dichlorobromomethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Bromobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chlorobromomethane	ND		20		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Bromoform	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Bromomethane	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
2-Butanone (MEK)	ND		50		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
n-Butylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
sec-Butylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
tert-Butylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Carbon disulfide	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chloroethane	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chloroform	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chloromethane	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
2-Chlorotoluene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
4-Chlorotoluene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Chlorodibromomethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,3-Dichloropropane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1-Dichloropropene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Ethylene Dibromide	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Dibromomethane	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Dichlorodifluoromethane	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Ethylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Hexachlorobutadiene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
2-Hexanone	ND		50		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Isopropylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
4-Isopropyltoluene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Methylene Chloride	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Naphthalene	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
N-Propylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Styrene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120357/1-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Tetrachloroethene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Toluene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Trichloroethene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Vinyl acetate	ND		50		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Vinyl chloride	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Xylenes, Total	ND		10		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
2,2-Dichloropropane	ND		5.0		ug/Kg		09/05/12 15:30	09/05/12 16:30	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		09/05/12 15:30	09/05/12 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*45 - 131*	*09/05/12 15:30*	*09/05/12 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*60 - 140*	*09/05/12 15:30*	*09/05/12 16:30*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*09/05/12 15:30*	*09/05/12 16:30*	*1*

Lab Sample ID: LCS 720-120357/2-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	55.1		ug/Kg		110	70 - 144
Acetone	250	256		ug/Kg		102	30 - 162
Benzene	50.0	51.6		ug/Kg		103	70 - 130
Dichlorobromomethane	50.0	55.3		ug/Kg		111	70 - 131
Bromobenzene	50.0	51.4		ug/Kg		103	70 - 130
Chlorobromomethane	50.0	51.3		ug/Kg		103	70 - 130
Bromoform	50.0	55.3		ug/Kg		111	59 - 158
Bromomethane	50.0	51.7		ug/Kg		103	59 - 132
2-Butanone (MEK)	250	282		ug/Kg		113	53 - 124
n-Butylbenzene	50.0	57.6		ug/Kg		115	70 - 142
sec-Butylbenzene	50.0	53.1		ug/Kg		106	70 - 136
tert-Butylbenzene	50.0	52.2		ug/Kg		104	70 - 130
Carbon disulfide	50.0	49.6		ug/Kg		99	60 - 140
Carbon tetrachloride	50.0	53.6		ug/Kg		107	70 - 138
Chlorobenzene	50.0	49.2		ug/Kg		98	70 - 130
Chloroethane	50.0	51.7		ug/Kg		103	65 - 130
Chloroform	50.0	48.8		ug/Kg		98	77 - 127
Chloromethane	50.0	49.5		ug/Kg		99	55 - 140
2-Chlorotoluene	50.0	57.2		ug/Kg		114	70 - 138
4-Chlorotoluene	50.0	51.3		ug/Kg		103	70 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120357/2-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	50.0	59.5		ug/Kg		119	70 - 146
1,2-Dichlorobenzene	50.0	51.9		ug/Kg		104	70 - 130
1,3-Dichlorobenzene	50.0	52.5		ug/Kg		105	70 - 131
1,4-Dichlorobenzene	50.0	52.5		ug/Kg		105	70 - 130
1,3-Dichloropropane	50.0	54.9		ug/Kg		110	70 - 140
1,1-Dichloropropene	50.0	57.9		ug/Kg		116	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	61.8		ug/Kg		124	60 - 145
Ethylene Dibromide	50.0	58.7		ug/Kg		117	70 - 140
Dibromomethane	50.0	54.2		ug/Kg		108	70 - 139
Dichlorodifluoromethane	50.0	44.6		ug/Kg		89	37 - 158
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	70 - 130
1,2-Dichloroethane	50.0	53.3		ug/Kg		107	70 - 130
1,1-Dichloroethene	50.0	51.5		ug/Kg		103	76 - 122
cis-1,2-Dichloroethene	50.0	53.3		ug/Kg		107	70 - 138
trans-1,2-Dichloroethene	50.0	52.9		ug/Kg		106	67 - 130
1,2-Dichloropropane	50.0	52.0		ug/Kg		104	73 - 127
cis-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	68 - 147
trans-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	70 - 136
Ethylbenzene	50.0	51.7		ug/Kg		103	80 - 137
Hexachlorobutadiene	50.0	54.5		ug/Kg		109	70 - 132
2-Hexanone	250	303		ug/Kg		121	44 - 133
Isopropylbenzene	50.0	55.2		ug/Kg		110	88 - 128
4-Isopropyltoluene	50.0	55.0		ug/Kg		110	70 - 133
Methylene Chloride	50.0	54.2		ug/Kg		108	70 - 134
4-Methyl-2-pentanone (MIBK)	250	316		ug/Kg		126	60 - 160
Naphthalene	50.0	58.9		ug/Kg		118	60 - 147
N-Propylbenzene	50.0	53.6		ug/Kg		107	70 - 130
Styrene	50.0	51.6		ug/Kg		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/Kg		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/Kg		112	70 - 146
Tetrachloroethene	50.0	53.4		ug/Kg		107	70 - 132
Toluene	50.0	49.5		ug/Kg		99	80 - 128
1,2,3-Trichlorobenzene	50.0	57.5		ug/Kg		115	60 - 140
1,2,4-Trichlorobenzene	50.0	56.8		ug/Kg		114	60 - 140
1,1,1-Trichloroethane	50.0	51.9		ug/Kg		104	70 - 130
1,1,2-Trichloroethane	50.0	56.4		ug/Kg		113	70 - 130
Trichloroethene	50.0	53.5		ug/Kg		107	70 - 133
Trichlorofluoromethane	50.0	54.0		ug/Kg		108	60 - 140
1,2,3-Trichloropropane	50.0	56.6		ug/Kg		113	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroetha ne	50.0	49.4		ug/Kg		99	60 - 140
1,2,4-Trimethylbenzene	50.0	51.1		ug/Kg		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 131
Vinyl acetate	50.0	59.7		ug/Kg		119	38 - 176
Vinyl chloride	50.0	40.0		ug/Kg		80	58 - 125
m-Xylene & p-Xylene	100	112		ug/Kg		112	70 - 146
o-Xylene	50.0	54.5		ug/Kg		109	70 - 140
2,2-Dichloropropane	50.0	54.4		ug/Kg		109	70 - 162

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120357/2-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120357

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*107*		*58 - 140*

Lab Sample ID: LCS 720-120357/4-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	904		ug/Kg		90	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*112*		*58 - 140*

Lab Sample ID: LCSD 720-120357/3-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	54.1		ug/Kg		108	70 - 144	2	20
Acetone	250	196		ug/Kg		78	30 - 162	27	30
Benzene	50.0	51.7		ug/Kg		103	70 - 130	0	20
Dichlorobromomethane	50.0	55.1		ug/Kg		110	70 - 131	0	20
Bromobenzene	50.0	51.5		ug/Kg		103	70 - 130	0	20
Chlorobromomethane	50.0	51.0		ug/Kg		102	70 - 130	1	20
Bromoform	50.0	54.8		ug/Kg		110	59 - 158	1	20
Bromomethane	50.0	51.5		ug/Kg		103	59 - 132	0	20
2-Butanone (MEK)	250	258		ug/Kg		103	53 - 124	9	20
n-Butylbenzene	50.0	57.8		ug/Kg		116	70 - 142	0	20
sec-Butylbenzene	50.0	53.4		ug/Kg		107	70 - 136	1	20
tert-Butylbenzene	50.0	52.7		ug/Kg		105	70 - 130	1	20
Carbon disulfide	50.0	48.4		ug/Kg		97	60 - 140	3	20
Carbon tetrachloride	50.0	52.9		ug/Kg		106	70 - 138	1	20
Chlorobenzene	50.0	50.1		ug/Kg		100	70 - 130	2	20
Chloroethane	50.0	50.0		ug/Kg		100	65 - 130	3	20
Chloroform	50.0	49.7		ug/Kg		99	77 - 127	2	20
Chloromethane	50.0	48.6		ug/Kg		97	55 - 140	2	20
2-Chlorotoluene	50.0	57.5		ug/Kg		115	70 - 138	1	20
4-Chlorotoluene	50.0	51.4		ug/Kg		103	70 - 136	0	20
Chlorodibromomethane	50.0	58.9		ug/Kg		118	70 - 146	1	20
1,2-Dichlorobenzene	50.0	52.2		ug/Kg		104	70 - 130	1	20
1,3-Dichlorobenzene	50.0	53.5		ug/Kg		107	70 - 131	2	20
1,4-Dichlorobenzene	50.0	53.0		ug/Kg		106	70 - 130	1	20
1,3-Dichloropropane	50.0	53.7		ug/Kg		107	70 - 140	2	20
1,1-Dichloropropene	50.0	58.2		ug/Kg		116	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	50.0	56.0		ug/Kg		112	60 - 145	10	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120357/3-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	50.0	57.0		ug/Kg		114	70 - 140	3	20
Dibromomethane	50.0	53.0		ug/Kg		106	70 - 139	2	20
Dichlorodifluoromethane	50.0	43.9		ug/Kg		88	37 - 158	2	20
1,1-Dichloroethane	50.0	50.1		ug/Kg		100	70 - 130	0	20
1,2-Dichloroethane	50.0	52.0		ug/Kg		104	70 - 130	2	20
1,1-Dichloroethene	50.0	50.7		ug/Kg		101	76 - 122	2	20
cis-1,2-Dichloroethene	50.0	53.4		ug/Kg		107	70 - 138	0	20
trans-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	67 - 130	0	20
1,2-Dichloropropane	50.0	52.9		ug/Kg		106	73 - 127	2	20
cis-1,3-Dichloropropene	50.0	53.2		ug/Kg		106	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	51.2		ug/Kg		102	70 - 136	1	20
Ethylbenzene	50.0	51.6		ug/Kg		103	80 - 137	0	20
Hexachlorobutadiene	50.0	54.1		ug/Kg		108	70 - 132	1	20
2-Hexanone	250	269		ug/Kg		108	44 - 133	12	20
Isopropylbenzene	50.0	54.9		ug/Kg		110	88 - 128	0	20
4-Isopropyltoluene	50.0	55.1		ug/Kg		110	70 - 133	0	20
Methylene Chloride	50.0	53.1		ug/Kg		106	70 - 134	2	20
4-Methyl-2-pentanone (MIBK)	250	292		ug/Kg		117	60 - 160	8	20
Naphthalene	50.0	57.1		ug/Kg		114	60 - 147	3	20
N-Propylbenzene	50.0	54.3		ug/Kg		109	70 - 130	1	20
Styrene	50.0	51.7		ug/Kg		103	70 - 130	0	20
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/Kg		105	70 - 130	1	20
1,1,2,2-Tetrachloroethane	50.0	54.4		ug/Kg		109	70 - 146	3	20
Tetrachloroethene	50.0	53.8		ug/Kg		108	70 - 132	1	20
Toluene	50.0	50.5		ug/Kg		101	80 - 128	2	20
1,2,3-Trichlorobenzene	50.0	57.5		ug/Kg		115	60 - 140	0	20
1,2,4-Trichlorobenzene	50.0	57.6		ug/Kg		115	60 - 140	1	20
1,1,1-Trichloroethane	50.0	51.5		ug/Kg		103	70 - 130	1	20
1,1,2-Trichloroethane	50.0	54.9		ug/Kg		110	70 - 130	3	20
Trichloroethene	50.0	53.2		ug/Kg		106	70 - 133	1	20
Trichlorofluoromethane	50.0	51.9		ug/Kg		104	60 - 140	4	20
1,2,3-Trichloropropane	50.0	55.0		ug/Kg		110	70 - 146	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.0		ug/Kg		98	60 - 140	1	20
1,2,4-Trimethylbenzene	50.0	51.8		ug/Kg		104	70 - 130	1	20
1,3,5-Trimethylbenzene	50.0	52.3		ug/Kg		105	70 - 131	1	20
Vinyl acetate	50.0	58.1		ug/Kg		116	38 - 176	3	20
Vinyl chloride	50.0	39.6		ug/Kg		79	58 - 125	1	20
m-Xylene & p-Xylene	100	114		ug/Kg		114	70 - 146	1	20
o-Xylene	50.0	54.8		ug/Kg		110	70 - 140	1	20
2,2-Dichloropropane	50.0	57.2		ug/Kg		114	70 - 162	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*109*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120357/5-A
Matrix: Solid
Analysis Batch: 120329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120357

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	900		ug/Kg		90	61 - 128	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*113*		*58 - 140*

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GC/MS VOA

Analysis Batch: 120329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44325-1	SB-46-13.8	Total/NA	Solid	8260B/CA_LUFT MS	120357
LCS 720-120357/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	120357
LCS 720-120357/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	120357
LCSD 720-120357/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	120357
LCSD 720-120357/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	120357
MB 720-120357/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	120357

Prep Batch: 120357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44325-1	SB-46-13.8	Total/NA	Solid	5035	
LCS 720-120357/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-120357/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-120357/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-120357/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-120357/1-A	Method Blank	Total/NA	Solid	5035	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Client Sample ID: SB-46-13.8

Date Collected: 09/04/12 14:20
Date Received: 09/04/12 16:35

Lab Sample ID: 720-44325-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			120357	09/04/12 18:50	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	120329	09/06/12 02:41	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

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Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44325-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44325-1	SB-46-13.8	Solid	09/04/12 14:20	09/04/12 16:35

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OAK 18020

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevy		DATE:	PAGE OF
PROJECT NUMBER: 0010600570.00002	LABORATORY NAME: TestAmerica	CLIENT INFORMATION: Amec	REPORTING REQUIREMENTS: 140540
RESULTS TO: Avery. Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln	720-44325	
TURNAROUND TIME: Standard	Pleasanton CA		
SAMPLE SHIPMENT METHOD: Courier	LABORATORY CONTACT: Asmeh		GEOTRACKER REQUIRED (YES) NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO. T10000001616

SAMPLERS (SIGNATURE): [signature]

ANALYSES: MOC + TPH-g (8260B)

DATE	TIME	SAMPLE NUMBER	MOC + TPH-g (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9/4/12	1420	SB-HG-13.8	X	VOAs	S	N	MeOH	Y	N	3	

bty

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: Hailey Young COMPANY: AMEC	9/4/12	1617	SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	9/4/12	1618
SIGNATURE: [signature] PRINTED NAME: T. Stitt COMPANY: TASF	9/4/12	1635	SIGNATURE: [signature] PRINTED NAME: T. Bullock COMPANY: TASF	9/4/12	1635
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: 2.1°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

2.1°C

9/11/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44325-1

Login Number: 44325
List Number: 1
Creator: Bullock, Tracy

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44346-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Onieka Howard

Authorized for release by:
9/6/2012 3:58:58 PM
Onieka Howard
Project Manager I
onieka.howard@testamericainc.com

Designee for

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44346-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44346-1

Comments
No additional comments.

Receipt
The samples were received on 9/5/2012 12:07 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

GC/MS VOA
Method(s) 8260B: The continuing calibration verification (CCV) associated with batch #120292 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 720-120292/2).

Method(s) 8260B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch #120292 exceeded control limits for the following analytes: MEK.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 44346-3 is due to the presence of discrete peaks: PCE.

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 44346-4 is due to the presence of discrete peaks: PCE and TCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Client Sample ID: TB-5 — Lab Sample ID: 720-44346-1

No Detections

Client Sample ID: SB-44 — Lab Sample ID: 720-44346-2

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Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-45 — Lab Sample ID: 720-44346-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	70		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	0.59		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	61	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: SB-46 — Lab Sample ID: 720-44346-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.80		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	45		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	8.5		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	67	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: TB-5
Date Collected: 09/05/12 07:45
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/05/12 15:30	1
Acetone	ND		50 UJ		ug/L			09/05/12 15:30	1
Benzene	ND		0.50		ug/L			09/05/12 15:30	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/12 15:30	1
Bromobenzene	ND		1.0		ug/L			09/05/12 15:30	1
Chlorobromomethane	ND		1.0		ug/L			09/05/12 15:30	1
Bromoform	ND		1.0		ug/L			09/05/12 15:30	1
Bromomethane	ND		1.0		ug/L			09/05/12 15:30	1
2-Butanone (MEK)	ND	*	50		ug/L			09/05/12 15:30	1
n-Butylbenzene	ND		1.0		ug/L			09/05/12 15:30	1
sec-Butylbenzene	ND		1.0		ug/L			09/05/12 15:30	1
tert-Butylbenzene	ND		1.0		ug/L			09/05/12 15:30	1
Carbon disulfide	ND		5.0		ug/L			09/05/12 15:30	1
Carbon tetrachloride	ND		0.50		ug/L			09/05/12 15:30	1
Chlorobenzene	ND		0.50		ug/L			09/05/12 15:30	1
Chloroethane	ND		1.0		ug/L			09/05/12 15:30	1
Chloroform	ND		1.0		ug/L			09/05/12 15:30	1
Chloromethane	ND		1.0		ug/L			09/05/12 15:30	1
2-Chlorotoluene	ND		0.50		ug/L			09/05/12 15:30	1
4-Chlorotoluene	ND		0.50		ug/L			09/05/12 15:30	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/12 15:30	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/05/12 15:30	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/05/12 15:30	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/05/12 15:30	1
1,3-Dichloropropane	ND		1.0		ug/L			09/05/12 15:30	1
1,1-Dichloropropene	ND		0.50		ug/L			09/05/12 15:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/12 15:30	1
Ethylene Dibromide	ND		0.50		ug/L			09/05/12 15:30	1
Dibromomethane	ND		0.50		ug/L			09/05/12 15:30	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/05/12 15:30	1
1,1-Dichloroethane	ND		0.50		ug/L			09/05/12 15:30	1
1,2-Dichloroethane	ND		0.50		ug/L			09/05/12 15:30	1
1,1-Dichloroethene	ND		0.50		ug/L			09/05/12 15:30	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 15:30	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 15:30	1
1,2-Dichloropropane	ND		0.50		ug/L			09/05/12 15:30	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 15:30	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 15:30	1
Ethylbenzene	ND		0.50		ug/L			09/05/12 15:30	1
Hexachlorobutadiene	ND		1.0		ug/L			09/05/12 15:30	1
2-Hexanone	ND		50		ug/L			09/05/12 15:30	1
Isopropylbenzene	ND		0.50		ug/L			09/05/12 15:30	1
4-Isopropyltoluene	ND		1.0		ug/L			09/05/12 15:30	1
Methylene Chloride	ND		5.0		ug/L			09/05/12 15:30	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/05/12 15:30	1
Naphthalene	ND		1.0		ug/L			09/05/12 15:30	1
N-Propylbenzene	ND		1.0		ug/L			09/05/12 15:30	1
Styrene	ND		0.50		ug/L			09/05/12 15:30	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 15:30	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 15:30	1
Tetrachloroethene	ND		0.50		ug/L			09/05/12 15:30	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB-5
Date Collected: 09/05/12 07:45
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/05/12 15:30	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/05/12 15:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/12 15:30	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/05/12 15:30	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/05/12 15:30	1
Trichloroethene	ND		0.50		ug/L			09/05/12 15:30	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/12 15:30	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/05/12 15:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/05/12 15:30	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/05/12 15:30	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/05/12 15:30	1
Vinyl acetate	ND		10		ug/L			09/05/12 15:30	1
Vinyl chloride	ND		0.50		ug/L			09/05/12 15:30	1
Xylenes, Total	ND		1.0		ug/L			09/05/12 15:30	1
2,2-Dichloropropane	ND		0.50		ug/L			09/05/12 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*09/05/12 15:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*		*09/05/12 15:30*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/05/12 15:30*	*1*

Client Sample ID: SB-44
Date Collected: 09/05/12 08:10
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/05/12 16:01	1
Acetone	ND		50 UJ		ug/L			09/05/12 16:01	1
Benzene	ND		0.50		ug/L			09/05/12 16:01	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/12 16:01	1
Bromobenzene	ND		1.0		ug/L			09/05/12 16:01	1
Chlorobromomethane	ND		1.0		ug/L			09/05/12 16:01	1
Bromoform	ND		1.0		ug/L			09/05/12 16:01	1
Bromomethane	ND		1.0		ug/L			09/05/12 16:01	1
2-Butanone (MEK)	ND	*	50 UJ		ug/L			09/05/12 16:01	1
n-Butylbenzene	ND		1.0		ug/L			09/05/12 16:01	1
sec-Butylbenzene	ND		1.0		ug/L			09/05/12 16:01	1
tert-Butylbenzene	ND		1.0		ug/L			09/05/12 16:01	1
Carbon disulfide	ND		5.0		ug/L			09/05/12 16:01	1
Carbon tetrachloride	ND		0.50		ug/L			09/05/12 16:01	1
Chlorobenzene	ND		0.50		ug/L			09/05/12 16:01	1
Chloroethane	ND		1.0		ug/L			09/05/12 16:01	1
Chloroform	ND		1.0		ug/L			09/05/12 16:01	1
Chloromethane	ND		1.0		ug/L			09/05/12 16:01	1
2-Chlorotoluene	ND		0.50		ug/L			09/05/12 16:01	1
4-Chlorotoluene	ND		0.50		ug/L			09/05/12 16:01	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/12 16:01	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:01	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:01	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:01	1
1,3-Dichloropropane	ND		1.0		ug/L			09/05/12 16:01	1
1,1-Dichloropropene	ND		0.50		ug/L			09/05/12 16:01	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-44
Date Collected: 09/05/12 08:10
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/12 16:01	1
Ethylene Dibromide	ND		0.50		ug/L			09/05/12 16:01	1
Dibromomethane	ND		0.50		ug/L			09/05/12 16:01	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/05/12 16:01	1
1,1-Dichloroethane	ND		0.50		ug/L			09/05/12 16:01	1
1,2-Dichloroethane	ND		0.50		ug/L			09/05/12 16:01	1
1,1-Dichloroethene	ND		0.50		ug/L			09/05/12 16:01	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 16:01	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 16:01	1
1,2-Dichloropropane	ND		0.50		ug/L			09/05/12 16:01	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 16:01	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 16:01	1
Ethylbenzene	ND		0.50		ug/L			09/05/12 16:01	1
Hexachlorobutadiene	ND		1.0		ug/L			09/05/12 16:01	1
2-Hexanone	ND		50		ug/L			09/05/12 16:01	1
Isopropylbenzene	ND		0.50		ug/L			09/05/12 16:01	1
4-Isopropyltoluene	ND		1.0		ug/L			09/05/12 16:01	1
Methylene Chloride	ND		5.0		ug/L			09/05/12 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/05/12 16:01	1
Naphthalene	ND		1.0		ug/L			09/05/12 16:01	1
N-Propylbenzene	ND		1.0		ug/L			09/05/12 16:01	1
Styrene	ND		0.50		ug/L			09/05/12 16:01	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 16:01	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 16:01	1
Tetrachloroethene	**7.3**		0.50		ug/L			09/05/12 16:01	1
Toluene	ND		0.50		ug/L			09/05/12 16:01	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/05/12 16:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/12 16:01	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/05/12 16:01	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/05/12 16:01	1
Trichloroethene	ND		0.50		ug/L			09/05/12 16:01	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/12 16:01	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/05/12 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/05/12 16:01	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/05/12 16:01	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/05/12 16:01	1
Vinyl acetate	ND		10		ug/L			09/05/12 16:01	1
Vinyl chloride	ND		0.50		ug/L			09/05/12 16:01	1
Xylenes, Total	ND		1.0		ug/L			09/05/12 16:01	1
2,2-Dichloropropane	ND		0.50		ug/L			09/05/12 16:01	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/05/12 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/05/12 16:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*09/05/12 16:01*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/05/12 16:01*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SB-45
Date Collected: 09/05/12 08:45
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/05/12 16:33	1
Acetone	ND		50 UJ		ug/L			09/05/12 16:33	1
Benzene	ND		0.50		ug/L			09/05/12 16:33	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/12 16:33	1
Bromobenzene	ND		1.0		ug/L			09/05/12 16:33	1
Chlorobromomethane	ND		1.0		ug/L			09/05/12 16:33	1
Bromoform	ND		1.0		ug/L			09/05/12 16:33	1
Bromomethane	ND		1.0		ug/L			09/05/12 16:33	1
2-Butanone (MEK)	ND	*	50 UJ		ug/L			09/05/12 16:33	1
n-Butylbenzene	ND		1.0		ug/L			09/05/12 16:33	1
sec-Butylbenzene	ND		1.0		ug/L			09/05/12 16:33	1
tert-Butylbenzene	ND		1.0		ug/L			09/05/12 16:33	1
Carbon disulfide	ND		5.0		ug/L			09/05/12 16:33	1
Carbon tetrachloride	ND		0.50		ug/L			09/05/12 16:33	1
Chlorobenzene	ND		0.50		ug/L			09/05/12 16:33	1
Chloroethane	ND		1.0		ug/L			09/05/12 16:33	1
Chloroform	ND		1.0		ug/L			09/05/12 16:33	1
Chloromethane	ND		1.0		ug/L			09/05/12 16:33	1
2-Chlorotoluene	ND		0.50		ug/L			09/05/12 16:33	1
4-Chlorotoluene	ND		0.50		ug/L			09/05/12 16:33	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/12 16:33	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:33	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:33	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/05/12 16:33	1
1,3-Dichloropropane	ND		1.0		ug/L			09/05/12 16:33	1
1,1-Dichloropropene	ND		0.50		ug/L			09/05/12 16:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/12 16:33	1
Ethylene Dibromide	ND		0.50		ug/L			09/05/12 16:33	1
Dibromomethane	ND		0.50		ug/L			09/05/12 16:33	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/05/12 16:33	1
1,1-Dichloroethane	ND		0.50		ug/L			09/05/12 16:33	1
1,2-Dichloroethane	ND		0.50		ug/L			09/05/12 16:33	1
1,1-Dichloroethene	ND		0.50		ug/L			09/05/12 16:33	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 16:33	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 16:33	1
1,2-Dichloropropane	ND		0.50		ug/L			09/05/12 16:33	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 16:33	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 16:33	1
Ethylbenzene	ND		0.50		ug/L			09/05/12 16:33	1
Hexachlorobutadiene	ND		1.0		ug/L			09/05/12 16:33	1
2-Hexanone	ND		50		ug/L			09/05/12 16:33	1
Isopropylbenzene	ND		0.50		ug/L			09/05/12 16:33	1
4-Isopropyltoluene	ND		1.0		ug/L			09/05/12 16:33	1
Methylene Chloride	ND		5.0		ug/L			09/05/12 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/05/12 16:33	1
Naphthalene	ND		1.0		ug/L			09/05/12 16:33	1
N-Propylbenzene	ND		1.0		ug/L			09/05/12 16:33	1
Styrene	ND		0.50		ug/L			09/05/12 16:33	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 16:33	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 16:33	1
Tetrachloroethene	**70**		0.50		ug/L			09/05/12 16:33	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-45
Date Collected: 09/05/12 08:45
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/05/12 16:33	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/05/12 16:33	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/12 16:33	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/05/12 16:33	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/05/12 16:33	1
Trichloroethene	**0.59**		0.50		ug/L			09/05/12 16:33	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/12 16:33	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/05/12 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/05/12 16:33	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/05/12 16:33	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/05/12 16:33	1
Vinyl acetate	ND		10		ug/L			09/05/12 16:33	1
Vinyl chloride	ND		0.50		ug/L			09/05/12 16:33	1
Xylenes, Total	ND		1.0		ug/L			09/05/12 16:33	1
2,2-Dichloropropane	ND		0.50		ug/L			09/05/12 16:33	1
Gasoline Range Organics (GRO) -C5-C12	**61**	R	50		ug/L			09/05/12 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*09/05/12 16:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*09/05/12 16:33*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/05/12 16:33*	*1*

Client Sample ID: SB-46
Date Collected: 09/05/12 09:20
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/05/12 17:04	1
Acetone	ND		50 UJ		ug/L			09/05/12 17:04	1
Benzene	ND		0.50		ug/L			09/05/12 17:04	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/12 17:04	1
Bromobenzene	ND		1.0		ug/L			09/05/12 17:04	1
Chlorobromomethane	ND		1.0		ug/L			09/05/12 17:04	1
Bromoform	ND		1.0		ug/L			09/05/12 17:04	1
Bromomethane	ND		1.0		ug/L			09/05/12 17:04	1
2-Butanone (MEK)	ND	*	50 UJ		ug/L			09/05/12 17:04	1
n-Butylbenzene	ND		1.0		ug/L			09/05/12 17:04	1
sec-Butylbenzene	ND		1.0		ug/L			09/05/12 17:04	1
tert-Butylbenzene	ND		1.0		ug/L			09/05/12 17:04	1
Carbon disulfide	ND		5.0		ug/L			09/05/12 17:04	1
Carbon tetrachloride	ND		0.50		ug/L			09/05/12 17:04	1
Chlorobenzene	ND		0.50		ug/L			09/05/12 17:04	1
Chloroethane	ND		1.0		ug/L			09/05/12 17:04	1
Chloroform	ND		1.0		ug/L			09/05/12 17:04	1
Chloromethane	ND		1.0		ug/L			09/05/12 17:04	1
2-Chlorotoluene	ND		0.50		ug/L			09/05/12 17:04	1
4-Chlorotoluene	ND		0.50		ug/L			09/05/12 17:04	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/12 17:04	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/05/12 17:04	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/05/12 17:04	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/05/12 17:04	1
1,3-Dichloropropane	ND		1.0		ug/L			09/05/12 17:04	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SB-46
Date Collected: 09/05/12 09:20
Date Received: 09/05/12 12:07

Lab Sample ID: 720-44346-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/05/12 17:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/12 17:04	1
Ethylene Dibromide	ND		0.50		ug/L			09/05/12 17:04	1
Dibromomethane	ND		0.50		ug/L			09/05/12 17:04	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/05/12 17:04	1
1,1-Dichloroethane	ND		0.50		ug/L			09/05/12 17:04	1
1,2-Dichloroethane	ND		0.50		ug/L			09/05/12 17:04	1
1,1-Dichloroethene	ND		0.50		ug/L			09/05/12 17:04	1
cis-1,2-Dichloroethene	**0.80**		0.50		ug/L			09/05/12 17:04	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 17:04	1
1,2-Dichloropropane	ND		0.50		ug/L			09/05/12 17:04	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 17:04	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 17:04	1
Ethylbenzene	ND		0.50		ug/L			09/05/12 17:04	1
Hexachlorobutadiene	ND		1.0		ug/L			09/05/12 17:04	1
2-Hexanone	ND		50		ug/L			09/05/12 17:04	1
Isopropylbenzene	ND		0.50		ug/L			09/05/12 17:04	1
4-Isopropyltoluene	ND		1.0		ug/L			09/05/12 17:04	1
Methylene Chloride	ND		5.0		ug/L			09/05/12 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/05/12 17:04	1
Naphthalene	ND		1.0		ug/L			09/05/12 17:04	1
N-Propylbenzene	ND		1.0		ug/L			09/05/12 17:04	1
Styrene	ND		0.50		ug/L			09/05/12 17:04	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 17:04	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 17:04	1
Tetrachloroethene	**45**		0.50		ug/L			09/05/12 17:04	1
Toluene	ND		0.50		ug/L			09/05/12 17:04	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/05/12 17:04	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/12 17:04	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/05/12 17:04	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/05/12 17:04	1
Trichloroethene	**8.5**		0.50		ug/L			09/05/12 17:04	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/12 17:04	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/05/12 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/05/12 17:04	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/05/12 17:04	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/05/12 17:04	1
Vinyl acetate	ND		10		ug/L			09/05/12 17:04	1
Vinyl chloride	ND		0.50		ug/L			09/05/12 17:04	1
Xylenes, Total	ND		1.0		ug/L			09/05/12 17:04	1
2,2-Dichloropropane	ND		0.50		ug/L			09/05/12 17:04	1
Gasoline Range Organics (GRO) -C5-C12	**67**	R	50		ug/L			09/05/12 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*09/05/12 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*09/05/12 17:04*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/05/12 17:04*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120292/4
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/05/12 08:29	1
Acetone	ND		50		ug/L			09/05/12 08:29	1
Benzene	ND		0.50		ug/L			09/05/12 08:29	1
Dichlorobromomethane	ND		0.50		ug/L			09/05/12 08:29	1
Bromobenzene	ND		1.0		ug/L			09/05/12 08:29	1
Chlorobromomethane	ND		1.0		ug/L			09/05/12 08:29	1
Bromoform	ND		1.0		ug/L			09/05/12 08:29	1
Bromomethane	ND		1.0		ug/L			09/05/12 08:29	1
2-Butanone (MEK)	ND		50		ug/L			09/05/12 08:29	1
n-Butylbenzene	ND		1.0		ug/L			09/05/12 08:29	1
sec-Butylbenzene	ND		1.0		ug/L			09/05/12 08:29	1
tert-Butylbenzene	ND		1.0		ug/L			09/05/12 08:29	1
Carbon disulfide	ND		5.0		ug/L			09/05/12 08:29	1
Carbon tetrachloride	ND		0.50		ug/L			09/05/12 08:29	1
Chlorobenzene	ND		0.50		ug/L			09/05/12 08:29	1
Chloroethane	ND		1.0		ug/L			09/05/12 08:29	1
Chloroform	ND		1.0		ug/L			09/05/12 08:29	1
Chloromethane	ND		1.0		ug/L			09/05/12 08:29	1
2-Chlorotoluene	ND		0.50		ug/L			09/05/12 08:29	1
4-Chlorotoluene	ND		0.50		ug/L			09/05/12 08:29	1
Chlorodibromomethane	ND		0.50		ug/L			09/05/12 08:29	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/05/12 08:29	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/05/12 08:29	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/05/12 08:29	1
1,3-Dichloropropane	ND		1.0		ug/L			09/05/12 08:29	1
1,1-Dichloropropene	ND		0.50		ug/L			09/05/12 08:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/05/12 08:29	1
Ethylene Dibromide	ND		0.50		ug/L			09/05/12 08:29	1
Dibromomethane	ND		0.50		ug/L			09/05/12 08:29	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/05/12 08:29	1
1,1-Dichloroethane	ND		0.50		ug/L			09/05/12 08:29	1
1,2-Dichloroethane	ND		0.50		ug/L			09/05/12 08:29	1
1,1-Dichloroethene	ND		0.50		ug/L			09/05/12 08:29	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 08:29	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/05/12 08:29	1
1,2-Dichloropropane	ND		0.50		ug/L			09/05/12 08:29	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 08:29	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/05/12 08:29	1
Ethylbenzene	ND		0.50		ug/L			09/05/12 08:29	1
Hexachlorobutadiene	ND		1.0		ug/L			09/05/12 08:29	1
2-Hexanone	ND		50		ug/L			09/05/12 08:29	1
Isopropylbenzene	ND		0.50		ug/L			09/05/12 08:29	1
4-Isopropyltoluene	ND		1.0		ug/L			09/05/12 08:29	1
Methylene Chloride	ND		5.0		ug/L			09/05/12 08:29	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/05/12 08:29	1
Naphthalene	ND		1.0		ug/L			09/05/12 08:29	1
N-Propylbenzene	ND		1.0		ug/L			09/05/12 08:29	1
Styrene	ND		0.50		ug/L			09/05/12 08:29	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 08:29	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120292/4
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/05/12 08:29	1
Tetrachloroethene	ND		0.50		ug/L			09/05/12 08:29	1
Toluene	ND		0.50		ug/L			09/05/12 08:29	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/05/12 08:29	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/05/12 08:29	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/05/12 08:29	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/05/12 08:29	1
Trichloroethene	ND		0.50		ug/L			09/05/12 08:29	1
Trichlorofluoromethane	ND		1.0		ug/L			09/05/12 08:29	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/05/12 08:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/05/12 08:29	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/05/12 08:29	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/05/12 08:29	1
Vinyl acetate	ND		10		ug/L			09/05/12 08:29	1
Vinyl chloride	ND		0.50		ug/L			09/05/12 08:29	1
Xylenes, Total	ND		1.0		ug/L			09/05/12 08:29	1
2,2-Dichloropropane	ND		0.50		ug/L			09/05/12 08:29	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/05/12 08:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 130*		*09/05/12 08:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 138*		*09/05/12 08:29*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/05/12 08:29*	*1*

Lab Sample ID: LCS 720-120292/5
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.4		ug/L		101	62 - 130
Acetone	125	117		ug/L		94	26 - 180
Benzene	25.0	25.3		ug/L		101	79 - 130
Dichlorobromomethane	25.0	28.1		ug/L		112	70 - 130
Bromobenzene	25.0	25.5		ug/L		102	70 - 130
Chlorobromomethane	25.0	24.9		ug/L		100	70 - 130
Bromoform	25.0	24.6		ug/L		98	68 - 136
Bromomethane	25.0	28.5		ug/L		114	43 - 151
2-Butanone (MEK)	125	114		ug/L		92	54 - 130
n-Butylbenzene	25.0	27.0		ug/L		108	70 - 142
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 134
tert-Butylbenzene	25.0	27.7		ug/L		111	70 - 135
Carbon disulfide	25.0	31.4		ug/L		126	58 - 130
Carbon tetrachloride	25.0	30.4		ug/L		122	70 - 146
Chlorobenzene	25.0	25.0		ug/L		100	70 - 130
Chloroethane	25.0	27.9		ug/L		112	62 - 138
Chloroform	25.0	26.6		ug/L		106	70 - 130
Chloromethane	25.0	29.5		ug/L		118	52 - 175
2-Chlorotoluene	25.0	26.5		ug/L		106	70 - 130
4-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120292/5
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	29.3		ug/L		117	70 - 145
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,3-Dichlorobenzene	25.0	26.4		ug/L		106	70 - 130
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	70 - 130
1,3-Dichloropropane	25.0	25.1		ug/L		100	70 - 130
1,1-Dichloropropene	25.0	28.5		ug/L		114	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.1		ug/L		100	70 - 136
Ethylene Dibromide	25.0	26.5		ug/L		106	70 - 130
Dibromomethane	25.0	25.5		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	23.9		ug/L		96	34 - 132
1,1-Dichloroethane	25.0	26.5		ug/L		106	70 - 130
1,2-Dichloroethane	25.0	25.8		ug/L		103	61 - 132
1,1-Dichloroethene	25.0	28.0		ug/L		112	64 - 128
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	70 - 130
trans-1,2-Dichloroethene	25.0	27.4		ug/L		110	68 - 130
1,2-Dichloropropane	25.0	25.8		ug/L		103	70 - 130
cis-1,3-Dichloropropene	25.0	30.1		ug/L		120	70 - 130
trans-1,3-Dichloropropene	25.0	28.9		ug/L		115	70 - 140
Ethylbenzene	25.0	25.3		ug/L		101	80 - 120
Hexachlorobutadiene	25.0	26.7		ug/L		107	70 - 130
2-Hexanone	125	111		ug/L		89	60 - 164
Isopropylbenzene	25.0	27.8		ug/L		111	70 - 130
4-Isopropyltoluene	25.0	26.3		ug/L		105	70 - 130
Methylene Chloride	25.0	27.0		ug/L		108	70 - 147
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		100	58 - 130
Naphthalene	25.0	24.0		ug/L		96	70 - 130
N-Propylbenzene	25.0	26.9		ug/L		108	70 - 130
Styrene	25.0	27.6		ug/L		110	70 - 130
1,1,1,2-Tetrachloroethane	25.0	28.2		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 130
Tetrachloroethene	25.0	28.7		ug/L		115	70 - 130
Toluene	25.0	25.1		ug/L		101	78 - 120
1,2,3-Trichlorobenzene	25.0	22.8		ug/L		91	70 - 130
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	70 - 130
1,1,1-Trichloroethane	25.0	29.7		ug/L		119	70 - 130
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	70 - 130
Trichloroethene	25.0	27.7		ug/L		111	70 - 130
Trichlorofluoromethane	25.0	27.2		ug/L		109	66 - 132
1,2,3-Trichloropropane	25.0	26.0		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.1		ug/L		116	42 - 162
1,2,4-Trimethylbenzene	25.0	25.6		ug/L		102	70 - 132
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130
Vinyl acetate	25.0	24.4		ug/L		98	43 - 163
Vinyl chloride	25.0	27.4		ug/L		109	54 - 135
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	70 - 142
o-Xylene	25.0	25.8		ug/L		103	70 - 130
2,2-Dichloropropane	25.0	33.0		ug/L		132	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120292/5
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-120292/7
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	511		ug/L		102	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 720-120292/6
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.9		ug/L		104	62 - 130	2	20
Acetone	125	134		ug/L		108	26 - 180	14	30
Benzene	25.0	24.8		ug/L		99	79 - 130	2	20
Dichlorobromomethane	25.0	27.4		ug/L		109	70 - 130	3	20
Bromobenzene	25.0	25.5		ug/L		102	70 - 130	0	20
Chlorobromomethane	25.0	24.6		ug/L		98	70 - 130	1	20
Bromoform	25.0	25.4		ug/L		102	68 - 136	3	20
Bromomethane	25.0	28.0		ug/L		112	43 - 151	2	20
2-Butanone (MEK)	125	144	*	ug/L		115	54 - 130	23	20
n-Butylbenzene	25.0	27.2		ug/L		109	70 - 142	1	20
sec-Butylbenzene	25.0	26.3		ug/L		105	70 - 134	0	20
tert-Butylbenzene	25.0	27.7		ug/L		111	70 - 135	0	20
Carbon disulfide	25.0	32.5		ug/L		130	58 - 130	4	20
Carbon tetrachloride	25.0	30.2		ug/L		121	70 - 146	1	20
Chlorobenzene	25.0	25.2		ug/L		101	70 - 130	1	20
Chloroethane	25.0	27.1		ug/L		108	62 - 138	3	20
Chloroform	25.0	25.8		ug/L		103	70 - 130	3	20
Chloromethane	25.0	28.4		ug/L		114	52 - 175	4	20
2-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130	1	20
4-Chlorotoluene	25.0	25.5		ug/L		102	70 - 130	2	20
Chlorodibromomethane	25.0	29.1		ug/L		116	70 - 145	1	20
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130	0	20
1,3-Dichlorobenzene	25.0	25.9		ug/L		103	70 - 130	2	20
1,4-Dichlorobenzene	25.0	25.9		ug/L		103	70 - 130	0	20
1,3-Dichloropropane	25.0	24.9		ug/L		100	70 - 130	1	20
1,1-Dichloropropene	25.0	28.3		ug/L		113	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	29.1		ug/L		117	70 - 136	15	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120292/6
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	26.5		ug/L		106	70 - 130	0	20
Dibromomethane	25.0	25.2		ug/L		101	70 - 130	1	20
Dichlorodifluoromethane	25.0	23.7		ug/L		95	34 - 132	1	20
1,1-Dichloroethane	25.0	26.7		ug/L		107	70 - 130	1	20
1,2-Dichloroethane	25.0	25.4		ug/L		102	61 - 132	2	20
1,1-Dichloroethene	25.0	28.9		ug/L		115	64 - 128	3	20
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	70 - 130	3	20
trans-1,2-Dichloroethene	25.0	28.2		ug/L		113	68 - 130	3	20
1,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130	4	20
cis-1,3-Dichloropropene	25.0	29.1		ug/L		116	70 - 130	3	20
trans-1,3-Dichloropropene	25.0	28.0		ug/L		112	70 - 140	3	20
Ethylbenzene	25.0	25.9		ug/L		104	80 - 120	2	20
Hexachlorobutadiene	25.0	27.1		ug/L		108	70 - 130	1	20
2-Hexanone	125	124		ug/L		99	60 - 164	11	20
Isopropylbenzene	25.0	27.7		ug/L		111	70 - 130	0	20
4-Isopropyltoluene	25.0	26.0		ug/L		104	70 - 130	1	20
Methylene Chloride	25.0	27.3		ug/L		109	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	58 - 130	9	20
Naphthalene	25.0	25.8		ug/L		103	70 - 130	7	20
N-Propylbenzene	25.0	26.9		ug/L		108	70 - 130	0	20
Styrene	25.0	27.4		ug/L		109	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	28.1		ug/L		113	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130	5	20
Tetrachloroethene	25.0	28.3		ug/L		113	70 - 130	1	20
Toluene	25.0	25.0		ug/L		100	78 - 120	1	20
1,2,3-Trichlorobenzene	25.0	23.1		ug/L		92	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	70 - 130	0	20
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	70 - 130	3	20
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	70 - 130	1	20
Trichloroethene	25.0	27.5		ug/L		110	70 - 130	1	20
Trichlorofluoromethane	25.0	26.4		ug/L		105	66 - 132	3	20
1,2,3-Trichloropropane	25.0	27.9		ug/L		112	70 - 130	7	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.1		ug/L		116	42 - 162	0	20
1,2,4-Trimethylbenzene	25.0	25.3		ug/L		101	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 130	0	20
Vinyl acetate	25.0	24.7		ug/L		99	43 - 163	1	20
Vinyl chloride	25.0	27.6		ug/L		110	54 - 135	1	20
m-Xylene & p-Xylene	50.0	50.5		ug/L		101	70 - 142	1	20
o-Xylene	25.0	25.8		ug/L		103	70 - 130	0	20
2,2-Dichloropropane	25.0	33.0		ug/L		132	70 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120292/8
Matrix: Water
Analysis Batch: 120292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	499		ug/L		100	62 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*99*		*70 - 130*

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QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

GC/MS VOA

Analysis Batch: 120292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44346-1	TB-5	Total/NA	Water	8260B/CA_LUFT MS	
720-44346-2	SB-44	Total/NA	Water	8260B/CA_LUFT MS	
720-44346-3	SB-45	Total/NA	Water	8260B/CA_LUFT MS	
720-44346-4	SB-46	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120292/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120292/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120292/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120292/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120292/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

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Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Client Sample ID: TB-5

Lab Sample ID: 720-44346-1
Matrix: Water

Date Collected: 09/05/12 07:45
Date Received: 09/05/12 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120292	09/05/12 15:30	AC	TAL SF

Client Sample ID: SB-44

Lab Sample ID: 720-44346-2
Matrix: Water

Date Collected: 09/05/12 08:10
Date Received: 09/05/12 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120292	09/05/12 16:01	AC	TAL SF

Client Sample ID: SB-45

Lab Sample ID: 720-44346-3
Matrix: Water

Date Collected: 09/05/12 08:45
Date Received: 09/05/12 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120292	09/05/12 16:33	AC	TAL SF

Client Sample ID: SB-46

Lab Sample ID: 720-44346-4
Matrix: Water

Date Collected: 09/05/12 09:20
Date Received: 09/05/12 12:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120292	09/05/12 17:04	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44346-1	TB-5	Water	09/05/12 07:45	09/05/12 12:07
720-44346-2	SB-44	Water	09/05/12 08:10	09/05/12 12:07
720-44346-3	SB-45	Water	09/05/12 08:45	09/05/12 12:07
720-44346-4	SB-46	Water	09/05/12 09:20	09/05/12 12:07

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720-44346 140539 OAK 18019

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Crown Chevrolet		DATE: 9/5/12	PAGE 1 OF 1
PROJECT NUMBER: 0D1UT60070.00002	LABORATORY NAME: Test America	CLIENT INFORMATION: AMEC	REPORTING REQUIREMENTS:
RESULTS TO: Avery.Patton@amec.com	LABORATORY ADDRESS: 1220 Quarry Ln. Pleasanton, CA		
TURNAROUND TIME: 24 HR RUSH			
SAMPLE SHIPMENT METHOD: drop off @ lab	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 925-484-1919		SITE SPECIFIC GLOBAL ID NO. T1000000161 6

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	VOCs+TPH-g (8260B)	VOCs (8260B)	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
												Temp 4.6°C
9/5/12	0745	TB-5		X	VOA	W	N	HCl	y	N	3	Standard TAT
	0810	SB-44	X			W	N	HCl	y	N	3	24 HR TAT
	0845	SB-45	X			W	N	HCl	y	N	3	24 HR TAT
	0920	SB-46	X			W	N	HCl	y	N	3	24HR TAT

RUSH

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	9/5/12	1207	SIGNATURE:	9/5/12	1207
PRINTED NAME: Shelly Young			PRINTED NAME:		
COMPANY: AMEC			COMPANY: BSF.		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

9/6/2012

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44346-1

Login Number: 44346
List Number: 1
Creator: Mullen, Joan

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44435-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/12/2012 3:09:47 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44435-1

Laboratory: TestAmerica Pleasanton

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Narrative

Job Narrative
720-44435-1

Comments
No additional comments.

Receipt
The samples were received on 9/11/2012 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.6° C.

Except:

Sampled received out of temp. Ok to analyze per COC.

GC/MS VOA
Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 44435-3 is due to the presence of discrete peak PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Client Sample ID: MP-2-2 — Lab Sample ID: 720-44435-1

No Detections

Client Sample ID: MP-2-3 — Lab Sample ID: 720-44435-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	130		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-3-1 — Lab Sample ID: 720-44435-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	120		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	6.4		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	140	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-3-3 — Lab Sample ID: 720-44435-4

No Detections

Client Sample ID: MP-4-1 — Lab Sample ID: 720-44435-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.0		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	1.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-4-2 — Lab Sample ID: 720-44435-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-4-3 — Lab Sample ID: 720-44435-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	150		50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	86		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-2-10 — Lab Sample ID: 720-44435-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	1.6		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	19		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-2-2
Date Collected: 09/10/12 17:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 19:16	1
Acetone	ND		50		ug/L			09/11/12 19:16	1
Benzene	ND		0.50		ug/L			09/11/12 19:16	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 19:16	1
Bromobenzene	ND		1.0		ug/L			09/11/12 19:16	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 19:16	1
Bromoform	ND		1.0		ug/L			09/11/12 19:16	1
Bromomethane	ND		1.0		ug/L			09/11/12 19:16	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 19:16	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 19:16	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 19:16	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 19:16	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 19:16	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 19:16	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 19:16	1
Chloroethane	ND		1.0		ug/L			09/11/12 19:16	1
Chloroform	ND		1.0		ug/L			09/11/12 19:16	1
Chloromethane	ND		1.0		ug/L			09/11/12 19:16	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 19:16	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 19:16	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 19:16	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:16	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:16	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:16	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 19:16	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 19:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 19:16	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 19:16	1
Dibromomethane	ND		0.50		ug/L			09/11/12 19:16	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 19:16	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 19:16	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 19:16	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 19:16	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 19:16	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 19:16	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 19:16	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 19:16	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 19:16	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 19:16	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 19:16	1
2-Hexanone	ND		50		ug/L			09/11/12 19:16	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 19:16	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 19:16	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 19:16	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 19:16	1
Naphthalene	ND		1.0		ug/L			09/11/12 19:16	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 19:16	1
Styrene	ND		0.50		ug/L			09/11/12 19:16	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 19:16	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 19:16	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 19:16	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-2-2
Date Collected: 09/10/12 17:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 19:16	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 19:16	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 19:16	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 19:16	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 19:16	1
Trichloroethene	ND		0.50		ug/L			09/11/12 19:16	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 19:16	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 19:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 19:16	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 19:16	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 19:16	1
Vinyl acetate	ND		10		ug/L			09/11/12 19:16	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 19:16	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 19:16	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 19:16	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 19:16*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/11/12 19:16*	*1*

Client Sample ID: MP-2-3
Date Collected: 09/10/12 17:20
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 19:46	1
Acetone	**130**		50		ug/L			09/11/12 19:46	1
Benzene	ND		0.50		ug/L			09/11/12 19:46	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 19:46	1
Bromobenzene	ND		1.0		ug/L			09/11/12 19:46	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 19:46	1
Bromoform	ND		1.0		ug/L			09/11/12 19:46	1
Bromomethane	ND		1.0		ug/L			09/11/12 19:46	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 19:46	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 19:46	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 19:46	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 19:46	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 19:46	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 19:46	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 19:46	1
Chloroethane	ND		1.0		ug/L			09/11/12 19:46	1
Chloroform	ND		1.0		ug/L			09/11/12 19:46	1
Chloromethane	ND		1.0		ug/L			09/11/12 19:46	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 19:46	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 19:46	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 19:46	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:46	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:46	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 19:46	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 19:46	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-2-3
Date Collected: 09/10/12 17:20
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 19:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 19:46	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 19:46	1
Dibromomethane	ND		0.50		ug/L			09/11/12 19:46	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 19:46	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 19:46	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 19:46	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 19:46	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 19:46	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 19:46	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 19:46	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 19:46	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 19:46	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 19:46	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 19:46	1
2-Hexanone	ND		50		ug/L			09/11/12 19:46	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 19:46	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 19:46	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 19:46	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 19:46	1
Naphthalene	ND		1.0		ug/L			09/11/12 19:46	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 19:46	1
Styrene	ND		0.50		ug/L			09/11/12 19:46	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 19:46	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 19:46	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 19:46	1
Toluene	ND		0.50		ug/L			09/11/12 19:46	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 19:46	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 19:46	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 19:46	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 19:46	1
Trichloroethene	ND		0.50		ug/L			09/11/12 19:46	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 19:46	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 19:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 19:46	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 19:46	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 19:46	1
Vinyl acetate	ND		10		ug/L			09/11/12 19:46	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 19:46	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 19:46	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 19:46	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/11/12 19:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 19:46*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*09/11/12 19:46*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-3-1
Date Collected: 09/10/12 12:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 20:17	1
Acetone	ND		50		ug/L			09/11/12 20:17	1
Benzene	ND		0.50		ug/L			09/11/12 20:17	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 20:17	1
Bromobenzene	ND		1.0		ug/L			09/11/12 20:17	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 20:17	1
Bromoform	ND		1.0		ug/L			09/11/12 20:17	1
Bromomethane	ND		1.0		ug/L			09/11/12 20:17	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 20:17	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 20:17	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 20:17	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 20:17	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 20:17	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 20:17	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 20:17	1
Chloroethane	ND		1.0		ug/L			09/11/12 20:17	1
Chloroform	ND		1.0		ug/L			09/11/12 20:17	1
Chloromethane	ND		1.0		ug/L			09/11/12 20:17	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 20:17	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 20:17	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 20:17	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:17	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:17	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:17	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 20:17	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 20:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 20:17	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 20:17	1
Dibromomethane	ND		0.50		ug/L			09/11/12 20:17	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 20:17	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 20:17	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 20:17	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 20:17	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 20:17	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 20:17	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 20:17	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 20:17	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 20:17	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 20:17	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 20:17	1
2-Hexanone	ND		50		ug/L			09/11/12 20:17	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 20:17	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 20:17	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 20:17	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 20:17	1
Naphthalene	ND		1.0		ug/L			09/11/12 20:17	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 20:17	1
Styrene	ND		0.50		ug/L			09/11/12 20:17	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 20:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 20:17	1
Tetrachloroethene	**120**		0.50		ug/L			09/11/12 20:17	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-3-1
Date Collected: 09/10/12 12:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 20:17	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 20:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 20:17	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 20:17	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 20:17	1
Trichloroethene	**6.4**		0.50		ug/L			09/11/12 20:17	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 20:17	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 20:17	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 20:17	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 20:17	1
Vinyl acetate	ND		10		ug/L			09/11/12 20:17	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 20:17	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 20:17	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 20:17	1
Gasoline Range Organics (GRO) -C5-C12	**140**	R	50		ug/L			09/11/12 20:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 130*		*09/11/12 20:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*09/11/12 20:17*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/11/12 20:17*	*1*

Client Sample ID: MP-3-3
Date Collected: 09/10/12 17:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 20:47	1
Acetone	ND		50		ug/L			09/11/12 20:47	1
Benzene	ND		0.50		ug/L			09/11/12 20:47	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 20:47	1
Bromobenzene	ND		1.0		ug/L			09/11/12 20:47	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 20:47	1
Bromoform	ND		1.0		ug/L			09/11/12 20:47	1
Bromomethane	ND		1.0		ug/L			09/11/12 20:47	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 20:47	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 20:47	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 20:47	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 20:47	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 20:47	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 20:47	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 20:47	1
Chloroethane	ND		1.0		ug/L			09/11/12 20:47	1
Chloroform	ND		1.0		ug/L			09/11/12 20:47	1
Chloromethane	ND		1.0		ug/L			09/11/12 20:47	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 20:47	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 20:47	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 20:47	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:47	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:47	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 20:47	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 20:47	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-3-3
Date Collected: 09/10/12 17:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 20:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 20:47	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 20:47	1
Dibromomethane	ND		0.50		ug/L			09/11/12 20:47	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 20:47	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 20:47	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 20:47	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 20:47	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 20:47	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 20:47	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 20:47	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 20:47	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 20:47	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 20:47	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 20:47	1
2-Hexanone	ND		50		ug/L			09/11/12 20:47	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 20:47	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 20:47	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 20:47	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 20:47	1
Naphthalene	ND		1.0		ug/L			09/11/12 20:47	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 20:47	1
Styrene	ND		0.50		ug/L			09/11/12 20:47	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 20:47	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 20:47	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 20:47	1
Toluene	ND		0.50		ug/L			09/11/12 20:47	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 20:47	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 20:47	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 20:47	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 20:47	1
Trichloroethene	ND		0.50		ug/L			09/11/12 20:47	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 20:47	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 20:47	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 20:47	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 20:47	1
Vinyl acetate	ND		10		ug/L			09/11/12 20:47	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 20:47	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 20:47	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 20:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/11/12 20:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*		*09/11/12 20:47*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/11/12 20:47*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-4-1
Date Collected: 09/10/12 18:00
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 21:18	1
Acetone	ND		50		ug/L			09/11/12 21:18	1
Benzene	ND		0.50		ug/L			09/11/12 21:18	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 21:18	1
Bromobenzene	ND		1.0		ug/L			09/11/12 21:18	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 21:18	1
Bromoform	ND		1.0		ug/L			09/11/12 21:18	1
Bromomethane	ND		1.0		ug/L			09/11/12 21:18	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 21:18	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 21:18	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 21:18	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 21:18	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 21:18	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 21:18	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 21:18	1
Chloroethane	ND		1.0		ug/L			09/11/12 21:18	1
Chloroform	ND		1.0		ug/L			09/11/12 21:18	1
Chloromethane	ND		1.0		ug/L			09/11/12 21:18	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:18	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:18	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 21:18	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:18	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:18	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:18	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 21:18	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 21:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 21:18	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 21:18	1
Dibromomethane	ND		0.50		ug/L			09/11/12 21:18	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 21:18	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 21:18	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 21:18	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 21:18	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:18	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:18	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:18	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:18	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:18	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 21:18	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 21:18	1
2-Hexanone	ND		50		ug/L			09/11/12 21:18	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 21:18	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 21:18	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 21:18	1
Naphthalene	ND		1.0		ug/L			09/11/12 21:18	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 21:18	1
Styrene	ND		0.50		ug/L			09/11/12 21:18	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:18	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:18	1
Tetrachloroethene	**4.0**		0.50		ug/L			09/11/12 21:18	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-4-1
Date Collected: 09/10/12 18:00
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 21:18	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:18	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 21:18	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 21:18	1
Trichloroethene	**1.3**		0.50		ug/L			09/11/12 21:18	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 21:18	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 21:18	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:18	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:18	1
Vinyl acetate	ND		10		ug/L			09/11/12 21:18	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 21:18	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 21:18	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:18	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 21:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 21:18*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*09/11/12 21:18*	*1*

Client Sample ID: MP-4-2
Date Collected: 09/10/12 18:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 21:49	1
Acetone	**100**		50		ug/L			09/11/12 21:49	1
Benzene	ND		0.50		ug/L			09/11/12 21:49	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 21:49	1
Bromobenzene	ND		1.0		ug/L			09/11/12 21:49	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 21:49	1
Bromoform	ND		1.0		ug/L			09/11/12 21:49	1
Bromomethane	ND		1.0		ug/L			09/11/12 21:49	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 21:49	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 21:49	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 21:49	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 21:49	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 21:49	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 21:49	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 21:49	1
Chloroethane	ND		1.0		ug/L			09/11/12 21:49	1
Chloroform	ND		1.0		ug/L			09/11/12 21:49	1
Chloromethane	ND		1.0		ug/L			09/11/12 21:49	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:49	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:49	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 21:49	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:49	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 21:49	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-4-2
Date Collected: 09/10/12 18:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 21:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 21:49	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 21:49	1
Dibromomethane	ND		0.50		ug/L			09/11/12 21:49	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 21:49	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 21:49	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 21:49	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 21:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:49	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:49	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 21:49	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 21:49	1
2-Hexanone	ND		50		ug/L			09/11/12 21:49	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 21:49	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 21:49	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 21:49	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 21:49	1
Naphthalene	ND		1.0		ug/L			09/11/12 21:49	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 21:49	1
Styrene	ND		0.50		ug/L			09/11/12 21:49	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:49	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 21:49	1
Toluene	ND		0.50		ug/L			09/11/12 21:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 21:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 21:49	1
Trichloroethene	ND		0.50		ug/L			09/11/12 21:49	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 21:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 21:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:49	1
Vinyl acetate	ND		10		ug/L			09/11/12 21:49	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 21:49	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 21:49	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/11/12 21:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*		*09/11/12 21:49*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/11/12 21:49*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-4-3
Date Collected: 09/10/12 18:20
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 22:20	1
Acetone	**150**		50		ug/L			09/11/12 22:20	1
Benzene	ND		0.50		ug/L			09/11/12 22:20	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 22:20	1
Bromobenzene	ND		1.0		ug/L			09/11/12 22:20	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 22:20	1
Bromoform	ND		1.0		ug/L			09/11/12 22:20	1
Bromomethane	ND		1.0		ug/L			09/11/12 22:20	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 22:20	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 22:20	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 22:20	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 22:20	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 22:20	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 22:20	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 22:20	1
Chloroethane	ND		1.0		ug/L			09/11/12 22:20	1
Chloroform	ND		1.0		ug/L			09/11/12 22:20	1
Chloromethane	ND		1.0		ug/L			09/11/12 22:20	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:20	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:20	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 22:20	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:20	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:20	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:20	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 22:20	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 22:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 22:20	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 22:20	1
Dibromomethane	ND		0.50		ug/L			09/11/12 22:20	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 22:20	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 22:20	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 22:20	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 22:20	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 22:20	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 22:20	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:20	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:20	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:20	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 22:20	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 22:20	1
2-Hexanone	ND		50		ug/L			09/11/12 22:20	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 22:20	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 22:20	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 22:20	1
Naphthalene	ND		1.0		ug/L			09/11/12 22:20	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 22:20	1
Styrene	ND		0.50		ug/L			09/11/12 22:20	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:20	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:20	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 22:20	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-4-3
Date Collected: 09/10/12 18:20
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 22:20	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:20	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:20	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 22:20	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 22:20	1
Trichloroethene	ND		0.50		ug/L			09/11/12 22:20	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 22:20	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 22:20	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:20	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:20	1
Vinyl acetate	ND		10		ug/L			09/11/12 22:20	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 22:20	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 22:20	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:20	1
Gasoline Range Organics (GRO) -C5-C12	**86**		50		ug/L			09/11/12 22:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 130*		*09/11/12 22:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*		*09/11/12 22:20*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/11/12 22:20*	*1*

Client Sample ID: MP-2-10
Date Collected: 09/10/12 12:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 22:49	1
Acetone	ND		50		ug/L			09/11/12 22:49	1
Benzene	ND		0.50		ug/L			09/11/12 22:49	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 22:49	1
Bromobenzene	ND		1.0		ug/L			09/11/12 22:49	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 22:49	1
Bromoform	ND		1.0		ug/L			09/11/12 22:49	1
Bromomethane	ND		1.0		ug/L			09/11/12 22:49	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 22:49	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 22:49	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 22:49	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 22:49	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 22:49	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 22:49	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 22:49	1
Chloroethane	ND		1.0		ug/L			09/11/12 22:49	1
Chloroform	ND		1.0		ug/L			09/11/12 22:49	1
Chloromethane	ND		1.0		ug/L			09/11/12 22:49	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:49	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:49	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 22:49	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:49	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 22:49	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-2-10
Date Collected: 09/10/12 12:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 22:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 22:49	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 22:49	1
Dibromomethane	ND		0.50		ug/L			09/11/12 22:49	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 22:49	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 22:49	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 22:49	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 22:49	1
cis-1,2-Dichloroethene	**1.3**		0.50		ug/L			09/11/12 22:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 22:49	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:49	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 22:49	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 22:49	1
2-Hexanone	ND		50		ug/L			09/11/12 22:49	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 22:49	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 22:49	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 22:49	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 22:49	1
Naphthalene	ND		1.0		ug/L			09/11/12 22:49	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 22:49	1
Styrene	ND		0.50		ug/L			09/11/12 22:49	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:49	1
Tetrachloroethene	**1.6**		0.50		ug/L			09/11/12 22:49	1
Toluene	ND		0.50		ug/L			09/11/12 22:49	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:49	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 22:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 22:49	1
Trichloroethene	**19**		0.50		ug/L			09/11/12 22:49	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 22:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 22:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 22:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:49	1
Vinyl acetate	ND		10		ug/L			09/11/12 22:49	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 22:49	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 22:49	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:49	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/11/12 22:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*		*09/11/12 22:49*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/11/12 22:49*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120675/4
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 15:42	1
Acetone	ND		50		ug/L			09/11/12 15:42	1
Benzene	ND		0.50		ug/L			09/11/12 15:42	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 15:42	1
Bromobenzene	ND		1.0		ug/L			09/11/12 15:42	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 15:42	1
Bromoform	ND		1.0		ug/L			09/11/12 15:42	1
Bromomethane	ND		1.0		ug/L			09/11/12 15:42	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 15:42	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 15:42	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 15:42	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
Chloroethane	ND		1.0		ug/L			09/11/12 15:42	1
Chloroform	ND		1.0		ug/L			09/11/12 15:42	1
Chloromethane	ND		1.0		ug/L			09/11/12 15:42	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 15:42	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 15:42	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 15:42	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 15:42	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 15:42	1
Dibromomethane	ND		0.50		ug/L			09/11/12 15:42	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 15:42	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 15:42	1
2-Hexanone	ND		50		ug/L			09/11/12 15:42	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 15:42	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 15:42	1
Naphthalene	ND		1.0		ug/L			09/11/12 15:42	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
Styrene	ND		0.50		ug/L			09/11/12 15:42	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 15:42	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120675/4
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 15:42	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 15:42	1
Toluene	ND		0.50		ug/L			09/11/12 15:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 15:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 15:42	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
Trichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 15:42	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
Vinyl acetate	ND		10		ug/L			09/11/12 15:42	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 15:42	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 15:42	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 15:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 15:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 15:42*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/11/12 15:42*	*1*

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	27.0		ug/L		108	62 - 130
Acetone	125	105		ug/L		84	26 - 180
Benzene	25.0	25.0		ug/L		100	79 - 130
Dichlorobromomethane	25.0	28.1		ug/L		112	70 - 130
Bromobenzene	25.0	24.7		ug/L		99	70 - 130
Chlorobromomethane	25.0	25.4		ug/L		102	70 - 130
Bromoform	25.0	25.0		ug/L		100	68 - 136
Bromomethane	25.0	24.9		ug/L		100	43 - 151
2-Butanone (MEK)	125	130		ug/L		104	54 - 130
n-Butylbenzene	25.0	25.0		ug/L		100	70 - 142
sec-Butylbenzene	25.0	24.9		ug/L		100	70 - 134
tert-Butylbenzene	25.0	26.1		ug/L		104	70 - 135
Carbon disulfide	25.0	28.5		ug/L		114	58 - 130
Carbon tetrachloride	25.0	27.7		ug/L		111	70 - 146
Chlorobenzene	25.0	24.8		ug/L		99	70 - 130
Chloroethane	25.0	24.2		ug/L		97	62 - 138
Chloroform	25.0	25.7		ug/L		103	70 - 130
Chloromethane	25.0	24.2		ug/L		97	52 - 175
2-Chlorotoluene	25.0	25.2		ug/L		101	70 - 130
4-Chlorotoluene	25.0	24.4		ug/L		98	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	29.5		ug/L		118	70 - 145
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	26.2		ug/L		105	70 - 130
1,1-Dichloropropene	25.0	27.2		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	70 - 136
Ethylene Dibromide	25.0	27.3		ug/L		109	70 - 130
Dibromomethane	25.0	25.6		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	19.8		ug/L		79	34 - 132
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	26.0		ug/L		104	61 - 132
1,1-Dichloroethene	25.0	25.9		ug/L		103	64 - 128
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	70 - 130
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	68 - 130
1,2-Dichloropropane	25.0	26.5		ug/L		106	70 - 130
cis-1,3-Dichloropropene	25.0	30.5		ug/L		122	70 - 130
trans-1,3-Dichloropropene	25.0	29.6		ug/L		118	70 - 140
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130
2-Hexanone	125	117		ug/L		94	60 - 164
Isopropylbenzene	25.0	26.6		ug/L		106	70 - 130
4-Isopropyltoluene	25.0	24.5		ug/L		98	70 - 130
Methylene Chloride	25.0	27.0		ug/L		108	70 - 147
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	58 - 130
Naphthalene	25.0	24.8		ug/L		99	70 - 130
N-Propylbenzene	25.0	25.4		ug/L		102	70 - 130
Styrene	25.0	27.7		ug/L		111	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.5		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	70 - 130
Toluene	25.0	24.7		ug/L		99	78 - 120
1,2,3-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	70 - 130
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	70 - 130
1,1,2-Trichloroethane	25.0	27.3		ug/L		109	70 - 130
Trichloroethene	25.0	26.7		ug/L		107	70 - 130
Trichlorofluoromethane	25.0	24.2		ug/L		97	66 - 132
1,2,3-Trichloropropane	25.0	25.6		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		101	70 - 130
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163
Vinyl chloride	25.0	23.0		ug/L		92	54 - 135
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 142
o-Xylene	25.0	25.6		ug/L		102	70 - 130
2,2-Dichloropropane	25.0	30.4		ug/L		121	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 720-120675/7
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	499		ug/L		100	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-120675/6
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.1		ug/L		108	62 - 130	0	20
Acetone	125	104		ug/L		83	26 - 180	0	30
Benzene	25.0	24.8		ug/L		99	79 - 130	1	20
Dichlorobromomethane	25.0	28.2		ug/L		113	70 - 130	1	20
Bromobenzene	25.0	25.1		ug/L		100	70 - 130	2	20
Chlorobromomethane	25.0	25.8		ug/L		103	70 - 130	2	20
Bromoform	25.0	25.1		ug/L		100	68 - 136	0	20
Bromomethane	25.0	24.6		ug/L		98	43 - 151	1	20
2-Butanone (MEK)	125	117		ug/L		93	54 - 130	11	20
n-Butylbenzene	25.0	25.3		ug/L		101	70 - 142	1	20
sec-Butylbenzene	25.0	24.9		ug/L		100	70 - 134	0	20
tert-Butylbenzene	25.0	26.4		ug/L		106	70 - 135	1	20
Carbon disulfide	25.0	28.4		ug/L		114	58 - 130	0	20
Carbon tetrachloride	25.0	28.0		ug/L		112	70 - 146	1	20
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130	0	20
Chloroethane	25.0	23.4		ug/L		94	62 - 138	4	20
Chloroform	25.0	26.0		ug/L		104	70 - 130	1	20
Chloromethane	25.0	24.3		ug/L		97	52 - 175	0	20
2-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130	0	20
4-Chlorotoluene	25.0	24.6		ug/L		99	70 - 130	1	20
Chlorodibromomethane	25.0	29.8		ug/L		119	70 - 145	1	20
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	2	20
1,3-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	0	20
1,1-Dichloropropene	25.0	27.1		ug/L		108	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	25.7		ug/L		103	70 - 136	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120675/6
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	27.3		ug/L		109	70 - 130	0	20
Dibromomethane	25.0	26.2		ug/L		105	70 - 130	2	20
Dichlorodifluoromethane	25.0	19.6		ug/L		78	34 - 132	1	20
1,1-Dichloroethane	25.0	26.0		ug/L		104	70 - 130	0	20
1,2-Dichloroethane	25.0	26.1		ug/L		104	61 - 132	0	20
1,1-Dichloroethene	25.0	25.8		ug/L		103	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	26.1		ug/L		105	68 - 130	0	20
1,2-Dichloropropane	25.0	26.5		ug/L		106	70 - 130	0	20
cis-1,3-Dichloropropene	25.0	30.7		ug/L		123	70 - 130	0	20
trans-1,3-Dichloropropene	25.0	29.8		ug/L		119	70 - 140	1	20
Ethylbenzene	25.0	24.1		ug/L		96	80 - 120	2	20
Hexachlorobutadiene	25.0	25.1		ug/L		100	70 - 130	4	20
2-Hexanone	125	116		ug/L		93	60 - 164	1	20
Isopropylbenzene	25.0	26.4		ug/L		106	70 - 130	1	20
4-Isopropyltoluene	25.0	24.8		ug/L		99	70 - 130	1	20
Methylene Chloride	25.0	26.5		ug/L		106	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130	2	20
Naphthalene	25.0	25.7		ug/L		103	70 - 130	4	20
N-Propylbenzene	25.0	25.4		ug/L		102	70 - 130	0	20
Styrene	25.0	27.5		ug/L		110	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	70 - 130	3	20
Tetrachloroethene	25.0	27.0		ug/L		108	70 - 130	0	20
Toluene	25.0	24.2		ug/L		97	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	23.9		ug/L		96	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	1	20
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	70 - 130	0	20
1,1,2-Trichloroethane	25.0	27.1		ug/L		108	70 - 130	1	20
Trichloroethene	25.0	27.3		ug/L		109	70 - 130	2	20
Trichlorofluoromethane	25.0	23.8		ug/L		95	66 - 132	2	20
1,2,3-Trichloropropane	25.0	26.1		ug/L		104	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130	1	20
Vinyl acetate	25.0	22.9		ug/L		92	43 - 163	6	20
Vinyl chloride	25.0	22.6		ug/L		91	54 - 135	2	20
m-Xylene & p-Xylene	50.0	48.5		ug/L		97	70 - 142	2	20
o-Xylene	25.0	25.1		ug/L		100	70 - 130	2	20
2,2-Dichloropropane	25.0	29.8		ug/L		119	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120675/8
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	503		ug/L		101	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 720-44435-1 MS
Matrix: Water
Analysis Batch: 120675

Client Sample ID: MP-2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		25.0	28.1		ug/L		112	60 - 138
Acetone	ND		125	90.5		ug/L		68	60 - 140
Benzene	ND		25.0	25.1		ug/L		100	60 - 140
Dichlorobromomethane	ND		25.0	28.5		ug/L		114	60 - 140
Bromobenzene	ND		25.0	25.6		ug/L		103	60 - 140
Chlorobromomethane	ND		25.0	26.2		ug/L		104	60 - 140
Bromoform	ND		25.0	26.0		ug/L		104	56 - 140
Bromomethane	ND		25.0	22.5		ug/L		90	23 - 140
2-Butanone (MEK)	ND		125	112		ug/L		90	60 - 140
n-Butylbenzene	ND		25.0	24.9		ug/L		100	60 - 140
sec-Butylbenzene	ND		25.0	24.8		ug/L		99	60 - 140
tert-Butylbenzene	ND		25.0	26.5		ug/L		106	60 - 140
Carbon disulfide	ND		25.0	29.3		ug/L		117	38 - 140
Carbon tetrachloride	ND		25.0	27.8		ug/L		111	60 - 140
Chlorobenzene	ND		25.0	24.8		ug/L		99	60 - 140
Chloroethane	ND		25.0	22.9		ug/L		92	51 - 140
Chloroform	ND		25.0	26.4		ug/L		104	60 - 140
Chloromethane	ND		25.0	21.1		ug/L		84	52 - 140
2-Chlorotoluene	ND		25.0	25.2		ug/L		101	60 - 140
4-Chlorotoluene	ND		25.0	24.6		ug/L		98	60 - 140
Chlorodibromomethane	ND		25.0	30.8		ug/L		123	60 - 140
1,2-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140
1,3-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140
1,4-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140
1,3-Dichloropropane	ND		25.0	26.5		ug/L		105	60 - 140
1,1-Dichloropropene	ND		25.0	26.8		ug/L		107	60 - 140
1,2-Dibromo-3-Chloropropane	ND		25.0	25.8		ug/L		102	60 - 140
Ethylene Dibromide	ND		25.0	28.3		ug/L		113	60 - 140
Dibromomethane	ND		25.0	26.5		ug/L		105	60 - 140
Dichlorodifluoromethane	ND		25.0	19.2		ug/L		77	38 - 140
1,1-Dichloroethane	ND		25.0	25.9		ug/L		104	60 - 140
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	60 - 140
1,1-Dichloroethene	ND		25.0	25.4		ug/L		102	60 - 140
cis-1,2-Dichloroethene	ND		25.0	27.1		ug/L		109	60 - 140
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	60 - 140
1,2-Dichloropropane	ND		25.0	26.8		ug/L		107	60 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44435-1 MS
Matrix: Water
Analysis Batch: 120675

Client Sample ID: MP-2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	ND		25.0	31.2		ug/L		125	60 - 140
trans-1,3-Dichloropropene	ND		25.0	29.9		ug/L		120	60 - 140
Ethylbenzene	ND		25.0	24.1		ug/L		96	60 - 140
Hexachlorobutadiene	ND		25.0	25.3		ug/L		101	60 - 140
2-Hexanone	ND		125	112		ug/L		86	60 - 140
Isopropylbenzene	ND		25.0	26.4		ug/L		105	60 - 140
4-Isopropyltoluene	ND		25.0	24.8		ug/L		99	60 - 140
Methylene Chloride	ND		25.0	28.8		ug/L		108	40 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	128		ug/L		102	58 - 130
Naphthalene	ND		25.0	25.4		ug/L		102	56 - 140
N-Propylbenzene	ND		25.0	25.1		ug/L		100	60 - 140
Styrene	ND		25.0	27.5		ug/L		110	60 - 140
1,1,1,2-Tetrachloroethane	ND		25.0	28.0		ug/L		112	60 - 140
1,1,2,2-Tetrachloroethane	ND		25.0	25.7		ug/L		103	60 - 140
Tetrachloroethene	ND		25.0	27.1		ug/L		108	60 - 140
Toluene	ND		25.0	24.4		ug/L		98	60 - 140
1,2,3-Trichlorobenzene	ND		25.0	23.7		ug/L		95	60 - 140
1,2,4-Trichlorobenzene	ND		25.0	24.7		ug/L		99	60 - 140
1,1,1-Trichloroethane	ND		25.0	28.1		ug/L		113	60 - 140
1,1,2-Trichloroethane	ND		25.0	28.1		ug/L		112	60 - 140
Trichloroethene	ND		25.0	26.9		ug/L		108	60 - 140
Trichlorofluoromethane	ND		25.0	23.9		ug/L		96	60 - 140
1,2,3-Trichloropropane	ND		25.0	25.9		ug/L		104	60 - 140
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.7		ug/L		103	60 - 140
1,2,4-Trimethylbenzene	ND		25.0	24.7		ug/L		99	60 - 140
1,3,5-Trimethylbenzene	ND		25.0	25.2		ug/L		101	60 - 140
Vinyl acetate	ND		25.0	24.7		ug/L		99	40 - 140
Vinyl chloride	ND		25.0	22.6		ug/L		90	58 - 140
m-Xylene & p-Xylene	ND		50.0	48.3		ug/L		97	60 - 140
o-Xylene	ND		25.0	25.3		ug/L		101	60 - 140
2,2-Dichloropropane	ND		25.0	29.1		ug/L		117	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 720-44435-1 MSD
Matrix: Water
Analysis Batch: 120675

Client Sample ID: MP-2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		25.0	28.9		ug/L		116	60 - 138	3	20
Acetone	ND		125	92.7		ug/L		70	60 - 140	2	20
Benzene	ND		25.0	25.1		ug/L		100	60 - 140	0	20
Dichlorobromomethane	ND		25.0	29.3		ug/L		117	60 - 140	3	20
Bromobenzene	ND		25.0	25.8		ug/L		103	60 - 140	1	20
Chlorobromomethane	ND		25.0	26.5		ug/L		105	60 - 140	1	20
Bromoform	ND		25.0	27.1		ug/L		108	56 - 140	4	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44435-1 MSD
Matrix: Water
Analysis Batch: 120675

Client Sample ID: MP-2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		25.0	22.6		ug/L		90	23 - 140	0	20
2-Butanone (MEK)	ND		125	115		ug/L		92	60 - 140	3	20
n-Butylbenzene	ND		25.0	24.8		ug/L		99	60 - 140	0	20
sec-Butylbenzene	ND		25.0	24.7		ug/L		99	60 - 140	0	20
tert-Butylbenzene	ND		25.0	26.7		ug/L		107	60 - 140	1	20
Carbon disulfide	ND		25.0	29.0		ug/L		116	38 - 140	1	20
Carbon tetrachloride	ND		25.0	27.9		ug/L		112	60 - 140	0	20
Chlorobenzene	ND		25.0	25.2		ug/L		101	60 - 140	2	20
Chloroethane	ND		25.0	23.1		ug/L		93	51 - 140	1	20
Chloroform	ND		25.0	26.6		ug/L		104	60 - 140	1	20
Chloromethane	ND		25.0	21.2		ug/L		85	52 - 140	1	20
2-Chlorotoluene	ND		25.0	25.6		ug/L		102	60 - 140	1	20
4-Chlorotoluene	ND		25.0	24.7		ug/L		99	60 - 140	0	20
Chlorodibromomethane	ND		25.0	31.6		ug/L		126	60 - 140	3	20
1,2-Dichlorobenzene	ND		25.0	25.7		ug/L		103	60 - 140	1	20
1,3-Dichlorobenzene	ND		25.0	25.8		ug/L		103	60 - 140	0	20
1,4-Dichlorobenzene	ND		25.0	25.5		ug/L		102	60 - 140	0	20
1,3-Dichloropropane	ND		25.0	27.2		ug/L		108	60 - 140	2	20
1,1-Dichloropropene	ND		25.0	26.8		ug/L		107	60 - 140	0	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.1		ug/L		107	60 - 140	5	20
Ethylene Dibromide	ND		25.0	28.7		ug/L		115	60 - 140	1	20
Dibromomethane	ND		25.0	27.2		ug/L		108	60 - 140	2	20
Dichlorodifluoromethane	ND		25.0	19.4		ug/L		77	38 - 140	1	20
1,1-Dichloroethane	ND		25.0	26.1		ug/L		104	60 - 140	1	20
1,2-Dichloroethane	ND		25.0	26.8		ug/L		107	60 - 140	2	20
1,1-Dichloroethene	ND		25.0	25.3		ug/L		101	60 - 140	0	20
cis-1,2-Dichloroethene	ND		25.0	27.4		ug/L		109	60 - 140	1	20
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	60 - 140	0	20
1,2-Dichloropropane	ND		25.0	27.2		ug/L		109	60 - 140	1	20
cis-1,3-Dichloropropene	ND		25.0	31.5		ug/L		126	60 - 140	1	20
trans-1,3-Dichloropropene	ND		25.0	30.8		ug/L		123	60 - 140	3	20
Ethylbenzene	ND		25.0	24.4		ug/L		97	60 - 140	1	20
Hexachlorobutadiene	ND		25.0	25.0		ug/L		100	60 - 140	1	20
2-Hexanone	ND		125	116		ug/L		90	60 - 140	4	20
Isopropylbenzene	ND		25.0	26.4		ug/L		106	60 - 140	0	20
4-Isopropyltoluene	ND		25.0	24.7		ug/L		99	60 - 140	1	20
Methylene Chloride	ND		25.0	29.1		ug/L		110	40 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	58 - 130	4	20
Naphthalene	ND		25.0	26.6		ug/L		106	56 - 140	4	20
N-Propylbenzene	ND		25.0	25.2		ug/L		101	60 - 140	0	20
Styrene	ND		25.0	27.7		ug/L		111	60 - 140	1	20
1,1,1,2-Tetrachloroethane	ND		25.0	28.5		ug/L		114	60 - 140	2	20
1,1,2,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	60 - 140	4	20
Tetrachloroethene	ND		25.0	27.1		ug/L		109	60 - 140	0	20
Toluene	ND		25.0	24.6		ug/L		98	60 - 140	1	20
1,2,3-Trichlorobenzene	ND		25.0	24.3		ug/L		97	60 - 140	2	20
1,2,4-Trichlorobenzene	ND		25.0	25.1		ug/L		100	60 - 140	2	20
1,1,1-Trichloroethane	ND		25.0	28.0		ug/L		112	60 - 140	0	20
1,1,2-Trichloroethane	ND		25.0	28.8		ug/L		115	60 - 140	3	20
Trichloroethene	ND		25.0	26.8		ug/L		107	60 - 140	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-44435-1 MSD
Matrix: Water
Analysis Batch: 120675

Client Sample ID: MP-2-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichlorofluoromethane	ND		25.0	22.5		ug/L		90	60 - 140	6	20
1,2,3-Trichloropropane	ND		25.0	27.0		ug/L		108	60 - 140	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.7		ug/L		103	60 - 140	0	20
1,2,4-Trimethylbenzene	ND		25.0	24.8		µg/L		99	60 - 140	1	20
1,3,5-Trimethylbenzene	ND		25.0	25.4		ug/L		102	60 - 140	1	20
Vinyl acetate	ND		25.0	24.6		ug/L		99	40 - 140	0	20
Vinyl chloride	ND		25.0	22.2		ug/L		89	58 - 140	2	20
m-Xylene & p-Xylene	ND		50.0	48.3		ug/L		97	60 - 140	0	20
o-Xylene	ND		25.0	25.6		ug/L		102	60 - 140	1	20
2,2-Dichloropropane	ND		25.0	28.8		ug/L		115	60 - 140	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

GC/MS VOA

Analysis Batch: 120675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44435-1	MP-2-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-1 MS	MP-2-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-1 MSD	MP-2-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-2	MP-2-3	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-3	MP-3-1	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-4	MP-3-3	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-5	MP-4-1	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-6	MP-4-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-7	MP-4-3	Total/NA	Water	8260B/CA_LUFT MS	
720-44435-8	MP-2-10	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120675/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120675/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120675/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120675/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120675/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Client Sample ID: MP-2-2
Lab Sample ID: 720-44435-1
Date Collected: 09/10/12 17:10
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 19:16	AC	TAL SF

Client Sample ID: MP-2-3
Lab Sample ID: 720-44435-2
Date Collected: 09/10/12 17:20
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 19:46	AC	TAL SF

Client Sample ID: MP-3-1
Lab Sample ID: 720-44435-3
Date Collected: 09/10/12 12:40
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 20:17	AC	TAL SF

Client Sample ID: MP-3-3
Lab Sample ID: 720-44435-4
Date Collected: 09/10/12 17:40
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 20:47	AC	TAL SF

Client Sample ID: MP-4-1
Lab Sample ID: 720-44435-5
Date Collected: 09/10/12 18:00
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 21:18	AC	TAL SF

Client Sample ID: MP-4-2
Lab Sample ID: 720-44435-6
Date Collected: 09/10/12 18:10
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 21:49	AC	TAL SF

Client Sample ID: MP-4-3
Lab Sample ID: 720-44435-7
Date Collected: 09/10/12 18:20
Matrix: Water
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 22:20	AC	TAL SF

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Client Sample ID: MP-2-10

Date Collected: 09/10/12 12:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44435-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 22:49	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44435-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44435-1	MP-2-2	Water	09/10/12 17:10	09/11/12 11:30
720-44435-2	MP-2-3	Water	09/10/12 17:20	09/11/12 11:30
720-44435-3	MP-3-1	Water	09/10/12 12:40	09/11/12 11:30
720-44435-4	MP-3-3	Water	09/10/12 17:40	09/11/12 11:30
720-44435-5	MP-4-1	Water	09/10/12 18:00	09/11/12 11:30
720-44435-6	MP-4-2	Water	09/10/12 18:10	09/11/12 11:30
720-44435-7	MP-4-3	Water	09/10/12 18:20	09/11/12 11:30
720-44435-8	MP-2-10	Water	09/10/12 12:40	09/11/12 11:30

Seq. No. 1479

Lab: Test America

1465 North McDowell Blvd.
Suite 200
Petaluma, CA 94954
(707) 793-3800

CHAIN OF CUSTODY FORM

amec

Samplers: Scott Graham

720.4443

140658

9/12/2012

Job Number: 0D10160070.00002

Name/Location: Crown Chevrolet

Project Manager: Avery Patton

Recorder: (Signature Required)

MATRIX			# CONTAINERS					SAMPLE NUMBER	DATE YR	MO	DAY	TIME	STATION DESCRIPTION	DEPTH	ANALYSIS REQUESTED: 8260 VOCs + TPH-g	8270	TITLE 22 METALS
Water	Soil	Air	Unpres.	H2SO4	HNO3	HCL											
X						3		MP-2-2	12	09	10	1710			X		
X						3		MP-2-3	12	09	10	1720			X		
X						3		MP-3-1	12	09	10	1240			X		
X						3		MP-3-3	12	09	10	1740			X		
X						3		MP-4-1	12	09	10	1800			X		
X						3		MP-4-2	12	09	10	1810			X		
X						3		MP-4-3	12	09	10	1820			X		
X						3		MP-2-10	12	09	10	1240					

ADDITIONAL INFORMATION

REPORT TO: Avery Patton

PO#:

TAT:

Comments: Field Filtered Y/N

24-hr TAT

permission to analyze out of temp

RUSH

CHAIN OF CUSTODY RECORD

Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
	Scott Graham	AMEC	9/11/12 1130

Received By (Signature):	(Print Name)	(Company)	(Date/Time)
			9/11/12 430

Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)

Received By (Signature):	(Print Name)	(Company)	(Date/Time)

Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)

Received By (Signature):	(Print Name)	(Company)	(Date/Time)

Method of Shipment: Temp 8.6°

White - Laboratory Copy Yellow - Project Office Copy Pink - Field or Office Copy

F1008-E

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44435-1

Login Number: 44435
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44436-1
Client Project/Site: Crown Chevrolet
Revision: 1

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/18/2012 12:31:52 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through
TotalAccess

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Ask The Expert

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44436-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44436-1

Revised on 9/18/12 for sample ID.

Comments

No additional comments.

Receipt

The samples were received on 9/11/2012 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.6° C.

Except:

Sampled received out of temp. Ok to analyze per COC.

GC/MS VOA

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 44436-1 and 5 is due to the presence of discrete peak PCE.

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 3120674 recovered above the upper control limit for Acetone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 720-120674/2).

Method(s) 8260B: The Gasoline Range Organics (GRO) concentration reported for the following sample 720-44436-2 is due to the presence of discrete peak PCE.

No other analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

5

Client Sample ID: MW-1 — Lab Sample ID: 720-44436-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	150		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	1.2		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	120	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 720-44436-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	160		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	1.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	140	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 720-44436-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	16		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	6.9		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 720-44436-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorobromomethane	1.4		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Chloroform	2.1		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Chlorodibromomethane	0.92		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	3.2		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-1-1 — Lab Sample ID: 720-44436-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	120		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Gasoline Range Organics (GRO) -C5-C12	110	R	50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-1-2 — Lab Sample ID: 720-44436-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	130		50		ug/L	1		8260B/CA_LUFT MS	Total/NA

Client Sample ID: MP-1-3 — Lab Sample ID: 720-44436-7

No Detections

Client Sample ID: MP-2-1 — Lab Sample ID: 720-44436-8

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Client Sample ID: MP-2-1 (Continued)

Lab Sample ID: 720-44436-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Tetrachloroethene	1.2		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Trichloroethene	15		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA

5

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-1
Date Collected: 09/10/12 15:15
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 23:21	1
Acetone	ND		50		ug/L			09/11/12 23:21	1
Benzene	ND		0.50		ug/L			09/11/12 23:21	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 23:21	1
Bromobenzene	ND		1.0		ug/L			09/11/12 23:21	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 23:21	1
Bromoform	ND		1.0		ug/L			09/11/12 23:21	1
Bromomethane	ND		1.0		ug/L			09/11/12 23:21	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 23:21	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 23:21	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 23:21	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 23:21	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 23:21	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 23:21	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 23:21	1
Chloroethane	ND		1.0		ug/L			09/11/12 23:21	1
Chloroform	ND		1.0		ug/L			09/11/12 23:21	1
Chloromethane	ND		1.0		ug/L			09/11/12 23:21	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 23:21	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 23:21	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 23:21	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:21	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:21	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:21	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 23:21	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 23:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 23:21	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 23:21	1
Dibromomethane	ND		0.50		ug/L			09/11/12 23:21	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 23:21	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 23:21	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 23:21	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 23:21	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 23:21	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 23:21	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 23:21	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 23:21	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 23:21	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 23:21	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 23:21	1
2-Hexanone	ND		50		ug/L			09/11/12 23:21	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 23:21	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 23:21	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 23:21	1
Naphthalene	ND		1.0		ug/L			09/11/12 23:21	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 23:21	1
Styrene	ND		0.50		ug/L			09/11/12 23:21	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 23:21	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 23:21	1
Tetrachloroethene	**150**		0.50		ug/L			09/11/12 23:21	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-1
Date Collected: 09/10/12 15:15
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 23:21	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 23:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 23:21	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 23:21	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 23:21	1
Trichloroethene	**1.2**		0.50		ug/L			09/11/12 23:21	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 23:21	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 23:21	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 23:21	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 23:21	1
Vinyl acetate	ND		10		ug/L			09/11/12 23:21	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 23:21	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 23:21	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 23:21	1
Gasoline Range Organics (GRO) -C5-C12	**120**	R	50		ug/L			09/11/12 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 23:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*		*09/11/12 23:21*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/11/12 23:21*	*1*

Client Sample ID: MW-10
Date Collected: 09/10/12 15:17
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 23:52	1
Acetone	ND		50		ug/L			09/11/12 23:52	1
Benzene	ND		0.50		ug/L			09/11/12 23:52	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 23:52	1
Bromobenzene	ND		1.0		ug/L			09/11/12 23:52	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 23:52	1
Bromoform	ND		1.0		ug/L			09/11/12 23:52	1
Bromomethane	ND		1.0		ug/L			09/11/12 23:52	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 23:52	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 23:52	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 23:52	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 23:52	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 23:52	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 23:52	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 23:52	1
Chloroethane	ND		1.0		ug/L			09/11/12 23:52	1
Chloroform	ND		1.0		ug/L			09/11/12 23:52	1
Chloromethane	ND		1.0		ug/L			09/11/12 23:52	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 23:52	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 23:52	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 23:52	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:52	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:52	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 23:52	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 23:52	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-10
Date Collected: 09/10/12 15:17
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 23:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 23:52	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 23:52	1
Dibromomethane	ND		0.50		ug/L			09/11/12 23:52	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 23:52	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 23:52	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 23:52	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 23:52	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 23:52	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 23:52	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 23:52	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 23:52	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 23:52	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 23:52	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 23:52	1
2-Hexanone	ND		50		ug/L			09/11/12 23:52	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 23:52	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 23:52	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 23:52	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 23:52	1
Naphthalene	ND		1.0		ug/L			09/11/12 23:52	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 23:52	1
Styrene	ND		0.50		ug/L			09/11/12 23:52	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 23:52	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 23:52	1
Tetrachloroethene	**160**		0.50		ug/L			09/11/12 23:52	1
Toluene	ND		0.50		ug/L			09/11/12 23:52	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 23:52	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 23:52	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 23:52	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 23:52	1
Trichloroethene	**1.3**		0.50		ug/L			09/11/12 23:52	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 23:52	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 23:52	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 23:52	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 23:52	1
Vinyl acetate	ND		10		ug/L			09/11/12 23:52	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 23:52	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 23:52	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 23:52	1
Gasoline Range Organics (GRO) -C5-C12	**140**	R	50		ug/L			09/11/12 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*09/11/12 23:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 23:52*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/11/12 23:52*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MW-2
Date Collected: 09/10/12 16:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/12/12 00:24	1
Acetone	ND		50		ug/L			09/12/12 00:24	1
Benzene	ND		0.50		ug/L			09/12/12 00:24	1
Dichlorobromomethane	ND		0.50		ug/L			09/12/12 00:24	1
Bromobenzene	ND		1.0		ug/L			09/12/12 00:24	1
Chlorobromomethane	ND		1.0		ug/L			09/12/12 00:24	1
Bromoform	ND		1.0		ug/L			09/12/12 00:24	1
Bromomethane	ND		1.0		ug/L			09/12/12 00:24	1
2-Butanone (MEK)	ND		50		ug/L			09/12/12 00:24	1
n-Butylbenzene	ND		1.0		ug/L			09/12/12 00:24	1
sec-Butylbenzene	ND		1.0		ug/L			09/12/12 00:24	1
tert-Butylbenzene	ND		1.0		ug/L			09/12/12 00:24	1
Carbon disulfide	ND		5.0		ug/L			09/12/12 00:24	1
Carbon tetrachloride	ND		0.50		ug/L			09/12/12 00:24	1
Chlorobenzene	ND		0.50		ug/L			09/12/12 00:24	1
Chloroethane	ND		1.0		ug/L			09/12/12 00:24	1
Chloroform	ND		1.0		ug/L			09/12/12 00:24	1
Chloromethane	ND		1.0		ug/L			09/12/12 00:24	1
2-Chlorotoluene	ND		0.50		ug/L			09/12/12 00:24	1
4-Chlorotoluene	ND		0.50		ug/L			09/12/12 00:24	1
Chlorodibromomethane	ND		0.50		ug/L			09/12/12 00:24	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:24	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:24	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:24	1
1,3-Dichloropropane	ND		1.0		ug/L			09/12/12 00:24	1
1,1-Dichloropropene	ND		0.50		ug/L			09/12/12 00:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/12/12 00:24	1
Ethylene Dibromide	ND		0.50		ug/L			09/12/12 00:24	1
Dibromomethane	ND		0.50		ug/L			09/12/12 00:24	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/12/12 00:24	1
1,1-Dichloroethane	ND		0.50		ug/L			09/12/12 00:24	1
1,2-Dichloroethane	ND		0.50		ug/L			09/12/12 00:24	1
1,1-Dichloroethene	ND		0.50		ug/L			09/12/12 00:24	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 00:24	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 00:24	1
1,2-Dichloropropane	ND		0.50		ug/L			09/12/12 00:24	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 00:24	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 00:24	1
Ethylbenzene	ND		0.50		ug/L			09/12/12 00:24	1
Hexachlorobutadiene	ND		1.0		ug/L			09/12/12 00:24	1
2-Hexanone	ND		50		ug/L			09/12/12 00:24	1
Isopropylbenzene	ND		0.50		ug/L			09/12/12 00:24	1
4-Isopropyltoluene	ND		1.0		ug/L			09/12/12 00:24	1
Methylene Chloride	ND		5.0		ug/L			09/12/12 00:24	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/12/12 00:24	1
Naphthalene	ND		1.0		ug/L			09/12/12 00:24	1
N-Propylbenzene	ND		1.0		ug/L			09/12/12 00:24	1
Styrene	ND		0.50		ug/L			09/12/12 00:24	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 00:24	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 00:24	1
Tetrachloroethene	**16**		0.50		ug/L			09/12/12 00:24	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-2
Date Collected: 09/10/12 16:10
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/12/12 00:24	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/12/12 00:24	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/12/12 00:24	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/12/12 00:24	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/12/12 00:24	1
Trichloroethene	**6.9**		0.50		ug/L			09/12/12 00:24	1
Trichlorofluoromethane	ND		1.0		ug/L			09/12/12 00:24	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/12/12 00:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/12/12 00:24	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/12/12 00:24	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/12/12 00:24	1
Vinyl acetate	ND		10		ug/L			09/12/12 00:24	1
Vinyl chloride	ND		0.50		ug/L			09/12/12 00:24	1
Xylenes, Total	ND		1.0		ug/L			09/12/12 00:24	1
2,2-Dichloropropane	ND		0.50		ug/L			09/12/12 00:24	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/12/12 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*09/12/12 00:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*09/12/12 00:24*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*09/12/12 00:24*	*1*

Client Sample ID: MW-3
Date Collected: 09/10/12 15:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/12/12 00:54	1
Acetone	ND		50		ug/L			09/12/12 00:54	1
Benzene	ND		0.50		ug/L			09/12/12 00:54	1
Dichlorobromomethane	**1.4**		0.50		ug/L			09/12/12 00:54	1
Bromobenzene	ND		1.0		ug/L			09/12/12 00:54	1
Chlorobromomethane	ND		1.0		ug/L			09/12/12 00:54	1
Bromoform	ND		1.0		ug/L			09/12/12 00:54	1
Bromomethane	ND		1.0		ug/L			09/12/12 00:54	1
2-Butanone (MEK)	ND		50		ug/L			09/12/12 00:54	1
n-Butylbenzene	ND		1.0		ug/L			09/12/12 00:54	1
sec-Butylbenzene	ND		1.0		ug/L			09/12/12 00:54	1
tert-Butylbenzene	ND		1.0		ug/L			09/12/12 00:54	1
Carbon disulfide	ND		5.0		ug/L			09/12/12 00:54	1
Carbon tetrachloride	ND		0.50		ug/L			09/12/12 00:54	1
Chlorobenzene	ND		0.50		ug/L			09/12/12 00:54	1
Chloroethane	ND		1.0		ug/L			09/12/12 00:54	1
Chloroform	**2.1**		1.0		ug/L			09/12/12 00:54	1
Chloromethane	ND		1.0		ug/L			09/12/12 00:54	1
2-Chlorotoluene	ND		0.50		ug/L			09/12/12 00:54	1
4-Chlorotoluene	ND		0.50		ug/L			09/12/12 00:54	1
Chlorodibromomethane	**0.92**		0.50		ug/L			09/12/12 00:54	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:54	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:54	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/12/12 00:54	1
1,3-Dichloropropane	ND		1.0		ug/L			09/12/12 00:54	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MW-3
Date Collected: 09/10/12 15:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/12/12 00:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/12/12 00:54	1
Ethylene Dibromide	ND		0.50		ug/L			09/12/12 00:54	1
Dibromomethane	ND		0.50		ug/L			09/12/12 00:54	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/12/12 00:54	1
1,1-Dichloroethane	ND		0.50		ug/L			09/12/12 00:54	1
1,2-Dichloroethane	ND		0.50		ug/L			09/12/12 00:54	1
1,1-Dichloroethene	ND		0.50		ug/L			09/12/12 00:54	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 00:54	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 00:54	1
1,2-Dichloropropane	ND		0.50		ug/L			09/12/12 00:54	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 00:54	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 00:54	1
Ethylbenzene	ND		0.50		ug/L			09/12/12 00:54	1
Hexachlorobutadiene	ND		1.0		ug/L			09/12/12 00:54	1
2-Hexanone	ND		50		ug/L			09/12/12 00:54	1
Isopropylbenzene	ND		0.50		ug/L			09/12/12 00:54	1
4-Isopropyltoluene	ND		1.0		ug/L			09/12/12 00:54	1
Methylene Chloride	ND		5.0		ug/L			09/12/12 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/12/12 00:54	1
Naphthalene	ND		1.0		ug/L			09/12/12 00:54	1
N-Propylbenzene	ND		1.0		ug/L			09/12/12 00:54	1
Styrene	ND		0.50		ug/L			09/12/12 00:54	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 00:54	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 00:54	1
Tetrachloroethene	**3.2**		0.50		ug/L			09/12/12 00:54	1
Toluene	ND		0.50		ug/L			09/12/12 00:54	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/12/12 00:54	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/12/12 00:54	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/12/12 00:54	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/12/12 00:54	1
Trichloroethene	ND		0.50		ug/L			09/12/12 00:54	1
Trichlorofluoromethane	ND		1.0		ug/L			09/12/12 00:54	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/12/12 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/12/12 00:54	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/12/12 00:54	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/12/12 00:54	1
Vinyl acetate	ND		10		ug/L			09/12/12 00:54	1
Vinyl chloride	ND		0.50		ug/L			09/12/12 00:54	1
Xylenes, Total	ND		1.0		ug/L			09/12/12 00:54	1
2,2-Dichloropropane	ND		0.50		ug/L			09/12/12 00:54	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/12/12 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*09/12/12 00:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/12/12 00:54*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/12/12 00:54*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-1-1
Date Collected: 09/10/12 10:25
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/12/12 01:27	1
Acetone	ND		50		ug/L			09/12/12 01:27	1
Benzene	ND		0.50		ug/L			09/12/12 01:27	1
Dichlorobromomethane	ND		0.50		ug/L			09/12/12 01:27	1
Bromobenzene	ND		1.0		ug/L			09/12/12 01:27	1
Chlorobromomethane	ND		1.0		ug/L			09/12/12 01:27	1
Bromoform	ND		1.0		ug/L			09/12/12 01:27	1
Bromomethane	ND		1.0		ug/L			09/12/12 01:27	1
2-Butanone (MEK)	ND		50		ug/L			09/12/12 01:27	1
n-Butylbenzene	ND		1.0		ug/L			09/12/12 01:27	1
sec-Butylbenzene	ND		1.0		ug/L			09/12/12 01:27	1
tert-Butylbenzene	ND		1.0		ug/L			09/12/12 01:27	1
Carbon disulfide	ND		5.0		ug/L			09/12/12 01:27	1
Carbon tetrachloride	ND		0.50		ug/L			09/12/12 01:27	1
Chlorobenzene	ND		0.50		ug/L			09/12/12 01:27	1
Chloroethane	ND		1.0		ug/L			09/12/12 01:27	1
Chloroform	ND		1.0		ug/L			09/12/12 01:27	1
Chloromethane	ND		1.0		ug/L			09/12/12 01:27	1
2-Chlorotoluene	ND		0.50		ug/L			09/12/12 01:27	1
4-Chlorotoluene	ND		0.50		ug/L			09/12/12 01:27	1
Chlorodibromomethane	ND		0.50		ug/L			09/12/12 01:27	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:27	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:27	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:27	1
1,3-Dichloropropane	ND		1.0		ug/L			09/12/12 01:27	1
1,1-Dichloropropene	ND		0.50		ug/L			09/12/12 01:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/12/12 01:27	1
Ethylene Dibromide	ND		0.50		ug/L			09/12/12 01:27	1
Dibromomethane	ND		0.50		ug/L			09/12/12 01:27	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/12/12 01:27	1
1,1-Dichloroethane	ND		0.50		ug/L			09/12/12 01:27	1
1,2-Dichloroethane	ND		0.50		ug/L			09/12/12 01:27	1
1,1-Dichloroethene	ND		0.50		ug/L			09/12/12 01:27	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 01:27	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 01:27	1
1,2-Dichloropropane	ND		0.50		ug/L			09/12/12 01:27	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 01:27	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 01:27	1
Ethylbenzene	ND		0.50		ug/L			09/12/12 01:27	1
Hexachlorobutadiene	ND		1.0		ug/L			09/12/12 01:27	1
2-Hexanone	ND		50		ug/L			09/12/12 01:27	1
Isopropylbenzene	ND		0.50		ug/L			09/12/12 01:27	1
4-Isopropyltoluene	ND		1.0		ug/L			09/12/12 01:27	1
Methylene Chloride	ND		5.0		ug/L			09/12/12 01:27	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/12/12 01:27	1
Naphthalene	ND		1.0		ug/L			09/12/12 01:27	1
N-Propylbenzene	ND		1.0		ug/L			09/12/12 01:27	1
Styrene	ND		0.50		ug/L			09/12/12 01:27	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 01:27	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 01:27	1
Tetrachloroethene	**120**		0.50		ug/L			09/12/12 01:27	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-1-1
Date Collected: 09/10/12 10:25
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/12/12 01:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/12/12 01:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/12/12 01:27	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/12/12 01:27	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/12/12 01:27	1
Trichloroethene	ND		0.50		ug/L			09/12/12 01:27	1
Trichlorofluoromethane	ND		1.0		ug/L			09/12/12 01:27	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/12/12 01:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/12/12 01:27	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/12/12 01:27	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/12/12 01:27	1
Vinyl acetate	ND		10		ug/L			09/12/12 01:27	1
Vinyl chloride	ND		0.50		ug/L			09/12/12 01:27	1
Xylenes, Total	ND		1.0		ug/L			09/12/12 01:27	1
2,2-Dichloropropane	ND		0.50		ug/L			09/12/12 01:27	1
Gasoline Range Organics (GRO) -C5-C12	**110**	R	50		ug/L			09/12/12 01:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*67 - 130*		*09/12/12 01:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*		*09/12/12 01:27*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/12/12 01:27*	*1*

Client Sample ID: MP-1-2
Date Collected: 09/10/12 16:30
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/12/12 01:58	1
Acetone	**130**		50		ug/L			09/12/12 01:58	1
Benzene	ND		0.50		ug/L			09/12/12 01:58	1
Dichlorobromomethane	ND		0.50		ug/L			09/12/12 01:58	1
Bromobenzene	ND		1.0		ug/L			09/12/12 01:58	1
Chlorobromomethane	ND		1.0		ug/L			09/12/12 01:58	1
Bromoform	ND		1.0		ug/L			09/12/12 01:58	1
Bromomethane	ND		1.0		ug/L			09/12/12 01:58	1
2-Butanone (MEK)	ND		50		ug/L			09/12/12 01:58	1
n-Butylbenzene	ND		1.0		ug/L			09/12/12 01:58	1
sec-Butylbenzene	ND		1.0		ug/L			09/12/12 01:58	1
tert-Butylbenzene	ND		1.0		ug/L			09/12/12 01:58	1
Carbon disulfide	ND		5.0		ug/L			09/12/12 01:58	1
Carbon tetrachloride	ND		0.50		ug/L			09/12/12 01:58	1
Chlorobenzene	ND		0.50		ug/L			09/12/12 01:58	1
Chloroethane	ND		1.0		ug/L			09/12/12 01:58	1
Chloroform	ND		1.0		ug/L			09/12/12 01:58	1
Chloromethane	ND		1.0		ug/L			09/12/12 01:58	1
2-Chlorotoluene	ND		0.50		ug/L			09/12/12 01:58	1
4-Chlorotoluene	ND		0.50		ug/L			09/12/12 01:58	1
Chlorodibromomethane	ND		0.50		ug/L			09/12/12 01:58	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:58	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:58	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/12/12 01:58	1
1,3-Dichloropropane	ND		1.0		ug/L			09/12/12 01:58	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-1-2
Date Collected: 09/10/12 16:30
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/12/12 01:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/12/12 01:58	1
Ethylene Dibromide	ND		0.50		ug/L			09/12/12 01:58	1
Dibromomethane	ND		0.50		ug/L			09/12/12 01:58	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/12/12 01:58	1
1,1-Dichloroethane	ND		0.50		ug/L			09/12/12 01:58	1
1,2-Dichloroethane	ND		0.50		ug/L			09/12/12 01:58	1
1,1-Dichloroethene	ND		0.50		ug/L			09/12/12 01:58	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 01:58	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/12/12 01:58	1
1,2-Dichloropropane	ND		0.50		ug/L			09/12/12 01:58	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 01:58	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/12/12 01:58	1
Ethylbenzene	ND		0.50		ug/L			09/12/12 01:58	1
Hexachlorobutadiene	ND		1.0		ug/L			09/12/12 01:58	1
2-Hexanone	ND		50		ug/L			09/12/12 01:58	1
Isopropylbenzene	ND		0.50		ug/L			09/12/12 01:58	1
4-Isopropyltoluene	ND		1.0		ug/L			09/12/12 01:58	1
Methylene Chloride	ND		5.0		ug/L			09/12/12 01:58	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/12/12 01:58	1
Naphthalene	ND		1.0		ug/L			09/12/12 01:58	1
N-Propylbenzene	ND		1.0		ug/L			09/12/12 01:58	1
Styrene	ND		0.50		ug/L			09/12/12 01:58	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 01:58	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/12/12 01:58	1
Tetrachloroethene	ND		0.50		ug/L			09/12/12 01:58	1
Toluene	ND		0.50		ug/L			09/12/12 01:58	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/12/12 01:58	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/12/12 01:58	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/12/12 01:58	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/12/12 01:58	1
Trichloroethene	ND		0.50		ug/L			09/12/12 01:58	1
Trichlorofluoromethane	ND		1.0		ug/L			09/12/12 01:58	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/12/12 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/12/12 01:58	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/12/12 01:58	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/12/12 01:58	1
Vinyl acetate	ND		10		ug/L			09/12/12 01:58	1
Vinyl chloride	ND		0.50		ug/L			09/12/12 01:58	1
Xylenes, Total	ND		1.0		ug/L			09/12/12 01:58	1
2,2-Dichloropropane	ND		0.50		ug/L			09/12/12 01:58	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/12/12 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*67 - 130*		*09/12/12 01:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/12/12 01:58*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/12/12 01:58*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: MP-1-3
Date Collected: 09/10/12 16:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 21:51	1
Acetone	ND		50		ug/L			09/11/12 21:51	1
Benzene	ND		0.50		ug/L			09/11/12 21:51	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 21:51	1
Bromobenzene	ND		1.0		ug/L			09/11/12 21:51	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 21:51	1
Bromoform	ND		1.0		ug/L			09/11/12 21:51	1
Bromomethane	ND		1.0		ug/L			09/11/12 21:51	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 21:51	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 21:51	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 21:51	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 21:51	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 21:51	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 21:51	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 21:51	1
Chloroethane	ND		1.0		ug/L			09/11/12 21:51	1
Chloroform	ND		1.0		ug/L			09/11/12 21:51	1
Chloromethane	ND		1.0		ug/L			09/11/12 21:51	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:51	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 21:51	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 21:51	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:51	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:51	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 21:51	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 21:51	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 21:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 21:51	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 21:51	1
Dibromomethane	ND		0.50		ug/L			09/11/12 21:51	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 21:51	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 21:51	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 21:51	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 21:51	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:51	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 21:51	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:51	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:51	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 21:51	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 21:51	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 21:51	1
2-Hexanone	ND		50		ug/L			09/11/12 21:51	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 21:51	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 21:51	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 21:51	1
Naphthalene	ND		1.0		ug/L			09/11/12 21:51	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 21:51	1
Styrene	ND		0.50		ug/L			09/11/12 21:51	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:51	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 21:51	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 21:51	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-1-3
Date Collected: 09/10/12 16:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/11/12 21:51	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:51	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 21:51	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 21:51	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 21:51	1
Trichloroethene	ND		0.50		ug/L			09/11/12 21:51	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 21:51	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 21:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 21:51	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:51	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 21:51	1
Vinyl acetate	ND		10		ug/L			09/11/12 21:51	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 21:51	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 21:51	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 21:51	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/11/12 21:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*		*09/11/12 21:51*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/11/12 21:51*	*1*

Client Sample ID: MP-2-1
Date Collected: 09/10/12 12:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 22:21	1
Acetone	ND		50		ug/L			09/11/12 22:21	1
Benzene	ND		0.50		ug/L			09/11/12 22:21	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 22:21	1
Bromobenzene	ND		1.0		ug/L			09/11/12 22:21	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 22:21	1
Bromoform	ND		1.0		ug/L			09/11/12 22:21	1
Bromomethane	ND		1.0		ug/L			09/11/12 22:21	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 22:21	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 22:21	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 22:21	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 22:21	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 22:21	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 22:21	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 22:21	1
Chloroethane	ND		1.0		ug/L			09/11/12 22:21	1
Chloroform	ND		1.0		ug/L			09/11/12 22:21	1
Chloromethane	ND		1.0		ug/L			09/11/12 22:21	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:21	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 22:21	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 22:21	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:21	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:21	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 22:21	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 22:21	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: MP-2-1
Date Collected: 09/10/12 12:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 22:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 22:21	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 22:21	1
Dibromomethane	ND		0.50		ug/L			09/11/12 22:21	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 22:21	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 22:21	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 22:21	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 22:21	1
cis-1,2-Dichloroethene	**1.1**		0.50		ug/L			09/11/12 22:21	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 22:21	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:21	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:21	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 22:21	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 22:21	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 22:21	1
2-Hexanone	ND		50		ug/L			09/11/12 22:21	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 22:21	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 22:21	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 22:21	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 22:21	1
Naphthalene	ND		1.0		ug/L			09/11/12 22:21	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 22:21	1
Styrene	ND		0.50		ug/L			09/11/12 22:21	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:21	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 22:21	1
Tetrachloroethene	**1.2**		0.50		ug/L			09/11/12 22:21	1
Toluene	ND		0.50		ug/L			09/11/12 22:21	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 22:21	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 22:21	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 22:21	1
Trichloroethene	**15**		0.50		ug/L			09/11/12 22:21	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 22:21	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 22:21	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:21	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 22:21	1
Vinyl acetate	ND		10		ug/L			09/11/12 22:21	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 22:21	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 22:21	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 22:21	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 22:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*		*09/11/12 22:21*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/11/12 22:21*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120674/4
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 16:19	1
Acetone	ND		50		ug/L			09/11/12 16:19	1
Benzene	ND		0.50		ug/L			09/11/12 16:19	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 16:19	1
Bromobenzene	ND		1.0		ug/L			09/11/12 16:19	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 16:19	1
Bromoform	ND		1.0		ug/L			09/11/12 16:19	1
Bromomethane	ND		1.0		ug/L			09/11/12 16:19	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 16:19	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 16:19	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 16:19	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 16:19	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 16:19	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 16:19	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 16:19	1
Chloroethane	ND		1.0		ug/L			09/11/12 16:19	1
Chloroform	ND		1.0		ug/L			09/11/12 16:19	1
Chloromethane	ND		1.0		ug/L			09/11/12 16:19	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 16:19	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 16:19	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 16:19	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 16:19	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 16:19	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 16:19	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 16:19	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 16:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 16:19	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 16:19	1
Dibromomethane	ND		0.50		ug/L			09/11/12 16:19	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 16:19	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 16:19	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 16:19	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 16:19	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 16:19	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 16:19	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 16:19	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 16:19	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 16:19	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 16:19	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 16:19	1
2-Hexanone	ND		50		ug/L			09/11/12 16:19	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 16:19	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 16:19	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 16:19	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 16:19	1
Naphthalene	ND		1.0		ug/L			09/11/12 16:19	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 16:19	1
Styrene	ND		0.50		ug/L			09/11/12 16:19	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 16:19	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120674/4
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 16:19	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 16:19	1
Toluene	ND		0.50		ug/L			09/11/12 16:19	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 16:19	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 16:19	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 16:19	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 16:19	1
Trichloroethene	ND		0.50		ug/L			09/11/12 16:19	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 16:19	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 16:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 16:19	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 16:19	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 16:19	1
Vinyl acetate	ND		10		ug/L			09/11/12 16:19	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 16:19	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 16:19	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 16:19	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 16:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 16:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 138*		*09/11/12 16:19*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*09/11/12 16:19*	*1*

Lab Sample ID: LCS 720-120674/5
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.2		ug/L		101	62 - 130
Acetone	125	111		ug/L		89	26 - 180
Benzene	25.0	25.2		ug/L		101	79 - 130
Dichlorobromomethane	25.0	27.3		ug/L		109	70 - 130
Bromobenzene	25.0	25.2		ug/L		101	70 - 130
Chlorobromomethane	25.0	25.3		ug/L		101	70 - 130
Bromoform	25.0	26.2		ug/L		105	68 - 136
Bromomethane	25.0	26.7		ug/L		107	43 - 151
2-Butanone (MEK)	125	129		ug/L		103	54 - 130
n-Butylbenzene	25.0	26.8		ug/L		107	70 - 142
sec-Butylbenzene	25.0	26.4		ug/L		106	70 - 134
tert-Butylbenzene	25.0	26.8		ug/L		107	70 - 135
Carbon disulfide	25.0	24.8		ug/L		99	58 - 130
Carbon tetrachloride	25.0	26.8		ug/L		107	70 - 146
Chlorobenzene	25.0	25.6		ug/L		103	70 - 130
Chloroethane	25.0	26.3		ug/L		105	62 - 138
Chloroform	25.0	24.8		ug/L		99	70 - 130
Chloromethane	25.0	24.0		ug/L		96	52 - 175
2-Chlorotoluene	25.0	26.3		ug/L		105	70 - 130
4-Chlorotoluene	25.0	25.9		ug/L		103	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120674/5
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	28.6		ug/L		115	70 - 145
1,2-Dichlorobenzene	25.0	25.9		ug/L		104	70 - 130
1,3-Dichlorobenzene	25.0	26.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	25.0	26.1		ug/L		105	70 - 130
1,3-Dichloropropane	25.0	25.8		ug/L		103	70 - 130
1,1-Dichloropropene	25.0	26.4		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		106	70 - 136
Ethylene Dibromide	25.0	26.9		ug/L		108	70 - 130
Dibromomethane	25.0	25.4		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	21.3		ug/L		85	34 - 132
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130
1,2-Dichloroethane	25.0	24.9		ug/L		100	61 - 132
1,1-Dichloroethene	25.0	25.1		ug/L		100	64 - 128
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	70 - 130
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	68 - 130
1,2-Dichloropropane	25.0	25.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	25.0	29.0		ug/L		116	70 - 130
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	70 - 140
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	25.4		ug/L		102	70 - 130
2-Hexanone	125	125		ug/L		100	60 - 164
Isopropylbenzene	25.0	27.3		ug/L		109	70 - 130
4-Isopropyltoluene	25.0	26.3		ug/L		105	70 - 130
Methylene Chloride	25.0	24.7		ug/L		99	70 - 147
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130
Naphthalene	25.0	25.4		ug/L		101	70 - 130
N-Propylbenzene	25.0	27.1		ug/L		108	70 - 130
Styrene	25.0	26.7		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	25.0	26.9		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	70 - 130
Tetrachloroethene	25.0	26.2		ug/L		105	70 - 130
Toluene	25.0	25.1		ug/L		100	78 - 120
1,2,3-Trichlorobenzene	25.0	24.1		ug/L		96	70 - 130
1,2,4-Trichlorobenzene	25.0	25.0		ug/L		100	70 - 130
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	70 - 130
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	70 - 130
Trichloroethene	25.0	26.1		ug/L		104	70 - 130
Trichlorofluoromethane	25.0	26.1		ug/L		104	66 - 132
1,2,3-Trichloropropane	25.0	26.0		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	24.2		ug/L		97	42 - 162
1,2,4-Trimethylbenzene	25.0	26.1		ug/L		104	70 - 132
1,3,5-Trimethylbenzene	25.0	26.7		ug/L		107	70 - 130
Vinyl acetate	25.0	26.3		ug/L		105	43 - 163
Vinyl chloride	25.0	25.8		ug/L		103	54 - 135
m-Xylene & p-Xylene	50.0	50.8		ug/L		102	70 - 142
o-Xylene	25.0	26.2		ug/L		105	70 - 130
2,2-Dichloropropane	25.0	28.2		ug/L		113	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120674/5
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 720-120674/7
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	509		ug/L		102	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-120674/6
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.2		ug/L		101	62 - 130	0	20
Acetone	125	118		ug/L		95	26 - 180	6	30
Benzene	25.0	25.1		ug/L		100	79 - 130	0	20
Dichlorobromomethane	25.0	26.9		ug/L		108	70 - 130	2	20
Bromobenzene	25.0	25.5		ug/L		102	70 - 130	1	20
Chlorobromomethane	25.0	25.3		ug/L		101	70 - 130	0	20
Bromoform	25.0	26.4		ug/L		106	68 - 136	1	20
Bromomethane	25.0	26.4		ug/L		105	43 - 151	1	20
2-Butanone (MEK)	125	130		ug/L		104	54 - 130	1	20
n-Butylbenzene	25.0	26.4		ug/L		106	70 - 142	1	20
sec-Butylbenzene	25.0	26.7		ug/L		107	70 - 134	1	20
tert-Butylbenzene	25.0	27.1		ug/L		109	70 - 135	1	20
Carbon disulfide	25.0	24.7		ug/L		99	58 - 130	0	20
Carbon tetrachloride	25.0	26.2		ug/L		105	70 - 146	2	20
Chlorobenzene	25.0	25.7		ug/L		103	70 - 130	0	20
Chloroethane	25.0	26.4		ug/L		106	62 - 138	0	20
Chloroform	25.0	24.5		ug/L		98	70 - 130	1	20
Chloromethane	25.0	23.9		ug/L		96	52 - 175	0	20
2-Chlorotoluene	25.0	26.8		ug/L		107	70 - 130	2	20
4-Chlorotoluene	25.0	25.9		ug/L		104	70 - 130	0	20
Chlorodibromomethane	25.0	28.4		ug/L		114	70 - 145	1	20
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	70 - 130	0	20
1,3-Dichlorobenzene	25.0	26.4		ug/L		106	70 - 130	0	20
1,4-Dichlorobenzene	25.0	26.1		ug/L		105	70 - 130	0	20
1,3-Dichloropropane	25.0	25.6		ug/L		102	70 - 130	1	20
1,1-Dichloropropene	25.0	26.1		ug/L		104	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	25.0	26.5		ug/L		106	70 - 136	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120674/6
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	26.7		ug/L		107	70 - 130	1	20
Dibromomethane	25.0	25.5		ug/L		102	70 - 130	0	20
Dichlorodifluoromethane	25.0	20.7		ug/L		83	34 - 132	3	20
1,1-Dichloroethane	25.0	25.0		ug/L		100	70 - 130	0	20
1,2-Dichloroethane	25.0	24.4		ug/L		98	61 - 132	2	20
1,1-Dichloroethene	25.0	25.2		ug/L		101	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	68 - 130	1	20
1,2-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	0	20
cis-1,3-Dichloropropene	25.0	28.7		ug/L		115	70 - 130	1	20
trans-1,3-Dichloropropene	25.0	27.8		ug/L		111	70 - 140	1	20
Ethylbenzene	25.0	24.5		ug/L		98	80 - 120	0	20
Hexachlorobutadiene	25.0	24.5		ug/L		98	70 - 130	4	20
2-Hexanone	125	126		ug/L		101	60 - 164	1	20
Isopropylbenzene	25.0	27.2		ug/L		109	70 - 130	1	20
4-Isopropyltoluene	25.0	26.3		ug/L		105	70 - 130	0	20
Methylene Chloride	25.0	24.8		ug/L		99	70 - 147	1	20
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	58 - 130	1	20
Naphthalene	25.0	25.2		ug/L		101	70 - 130	1	20
N-Propylbenzene	25.0	27.3		ug/L		109	70 - 130	1	20
Styrene	25.0	26.7		ug/L		107	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	26.8		ug/L		107	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	27.2		ug/L		109	70 - 130	1	20
Tetrachloroethene	25.0	26.1		ug/L		105	70 - 130	0	20
Toluene	25.0	25.2		ug/L		101	78 - 120	0	20
1,2,3-Trichlorobenzene	25.0	23.7		ug/L		95	70 - 130	2	20
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	70 - 130	3	20
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	70 - 130	2	20
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	70 - 130	0	20
Trichloroethene	25.0	26.2		ug/L		105	70 - 130	1	20
Trichlorofluoromethane	25.0	25.5		ug/L		102	66 - 132	2	20
1,2,3-Trichloropropane	25.0	26.9		ug/L		108	70 - 130	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.7		ug/L		95	42 - 162	2	20
1,2,4-Trimethylbenzene	25.0	26.2		ug/L		105	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	26.8		ug/L		107	70 - 130	0	20
Vinyl acetate	25.0	23.2		ug/L		93	43 - 163	13	20
Vinyl chloride	25.0	25.2		ug/L		101	54 - 135	2	20
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	70 - 142	1	20
o-Xylene	25.0	25.9		ug/L		103	70 - 130	1	20
2,2-Dichloropropane	25.0	27.9		ug/L		112	70 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120674/8
Matrix: Water
Analysis Batch: 120674

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	497		ug/L		99	62 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 720-120675/4
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/11/12 15:42	1
Acetone	ND		50		ug/L			09/11/12 15:42	1
Benzene	ND		0.50		ug/L			09/11/12 15:42	1
Dichlorobromomethane	ND		0.50		ug/L			09/11/12 15:42	1
Bromobenzene	ND		1.0		ug/L			09/11/12 15:42	1
Chlorobromomethane	ND		1.0		ug/L			09/11/12 15:42	1
Bromoform	ND		1.0		ug/L			09/11/12 15:42	1
Bromomethane	ND		1.0		ug/L			09/11/12 15:42	1
2-Butanone (MEK)	ND		50		ug/L			09/11/12 15:42	1
n-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
sec-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
tert-Butylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
Carbon disulfide	ND		5.0		ug/L			09/11/12 15:42	1
Carbon tetrachloride	ND		0.50		ug/L			09/11/12 15:42	1
Chlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
Chloroethane	ND		1.0		ug/L			09/11/12 15:42	1
Chloroform	ND		1.0		ug/L			09/11/12 15:42	1
Chloromethane	ND		1.0		ug/L			09/11/12 15:42	1
2-Chlorotoluene	ND		0.50		ug/L			09/11/12 15:42	1
4-Chlorotoluene	ND		0.50		ug/L			09/11/12 15:42	1
Chlorodibromomethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3-Dichloropropane	ND		1.0		ug/L			09/11/12 15:42	1
1,1-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/11/12 15:42	1
Ethylene Dibromide	ND		0.50		ug/L			09/11/12 15:42	1
Dibromomethane	ND		0.50		ug/L			09/11/12 15:42	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1-Dichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
1,2-Dichloropropane	ND		0.50		ug/L			09/11/12 15:42	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120675/4
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/11/12 15:42	1
Ethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
Hexachlorobutadiene	ND		1.0		ug/L			09/11/12 15:42	1
2-Hexanone	ND		50		ug/L			09/11/12 15:42	1
Isopropylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
4-Isopropyltoluene	ND		1.0		ug/L			09/11/12 15:42	1
Methylene Chloride	ND		5.0		ug/L			09/11/12 15:42	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/11/12 15:42	1
Naphthalene	ND		1.0		ug/L			09/11/12 15:42	1
N-Propylbenzene	ND		1.0		ug/L			09/11/12 15:42	1
Styrene	ND		0.50		ug/L			09/11/12 15:42	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/11/12 15:42	1
Tetrachloroethene	ND		0.50		ug/L			09/11/12 15:42	1
Toluene	ND		0.50		ug/L			09/11/12 15:42	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/11/12 15:42	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/11/12 15:42	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/11/12 15:42	1
Trichloroethene	ND		0.50		ug/L			09/11/12 15:42	1
Trichlorofluoromethane	ND		1.0		ug/L			09/11/12 15:42	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/11/12 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/11/12 15:42	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/11/12 15:42	1
Vinyl acetate	ND		10		ug/L			09/11/12 15:42	1
Vinyl chloride	ND		0.50		ug/L			09/11/12 15:42	1
Xylenes, Total	ND		1.0		ug/L			09/11/12 15:42	1
2,2-Dichloropropane	ND		0.50		ug/L			09/11/12 15:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/11/12 15:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*67 - 130*		*09/11/12 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/11/12 15:42*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/11/12 15:42*	*1*

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	27.0		ug/L		108	62 - 130
Acetone	125	105		ug/L		84	26 - 180
Benzene	25.0	25.0		ug/L		100	79 - 130
Dichlorobromomethane	25.0	28.1		ug/L		112	70 - 130
Bromobenzene	25.0	24.7		ug/L		99	70 - 130
Chlorobromomethane	25.0	25.4		ug/L		102	70 - 130
Bromoform	25.0	25.0		ug/L		100	68 - 136

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	24.9		ug/L		100	43 - 151
2-Butanone (MEK)	125	130		ug/L		104	54 - 130
n-Butylbenzene	25.0	25.0		ug/L		100	70 - 142
sec-Butylbenzene	25.0	24.9		ug/L		100	70 - 134
tert-Butylbenzene	25.0	26.1		ug/L		104	70 - 135
Carbon disulfide	25.0	28.5		ug/L		114	58 - 130
Carbon tetrachloride	25.0	27.7		ug/L		111	70 - 146
Chlorobenzene	25.0	24.8		ug/L		99	70 - 130
Chloroethane	25.0	24.2		ug/L		97	62 - 138
Chloroform	25.0	25.7		ug/L		103	70 - 130
Chloromethane	25.0	24.2		ug/L		97	52 - 175
2-Chlorotoluene	25.0	25.2		ug/L		101	70 - 130
4-Chlorotoluene	25.0	24.4		ug/L		98	70 - 130
Chlorodibromomethane	25.0	29.5		ug/L		118	70 - 145
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	70 - 130
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130
1,3-Dichloropropane	25.0	26.2		ug/L		105	70 - 130
1,1-Dichloropropene	25.0	27.2		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	25.5		ug/L		102	70 - 136
Ethylene Dibromide	25.0	27.3		ug/L		109	70 - 130
Dibromomethane	25.0	25.6		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	19.8		ug/L		79	34 - 132
1,1-Dichloroethane	25.0	25.9		ug/L		104	70 - 130
1,2-Dichloroethane	25.0	26.0		ug/L		104	61 - 132
1,1-Dichloroethene	25.0	25.9		ug/L		103	64 - 128
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	70 - 130
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	68 - 130
1,2-Dichloropropane	25.0	26.5		ug/L		106	70 - 130
cis-1,3-Dichloropropene	25.0	30.5		ug/L		122	70 - 130
trans-1,3-Dichloropropene	25.0	29.6		ug/L		118	70 - 140
Ethylbenzene	25.0	24.6		ug/L		98	80 - 120
Hexachlorobutadiene	25.0	24.2		ug/L		97	70 - 130
2-Hexanone	125	117		ug/L		94	60 - 164
Isopropylbenzene	25.0	26.6		ug/L		106	70 - 130
4-Isopropyltoluene	25.0	24.5		ug/L		98	70 - 130
Methylene Chloride	25.0	27.0		ug/L		108	70 - 147
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	58 - 130
Naphthalene	25.0	24.8		ug/L		99	70 - 130
N-Propylbenzene	25.0	25.4		ug/L		102	70 - 130
Styrene	25.0	27.7		ug/L		111	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.5		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	70 - 130
Tetrachloroethene	25.0	26.9		ug/L		108	70 - 130
Toluene	25.0	24.7		ug/L		99	78 - 120
1,2,3-Trichlorobenzene	25.0	23.0		ug/L		92	70 - 130
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	70 - 130
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	70 - 130
1,1,2-Trichloroethane	25.0	27.3		ug/L		109	70 - 130
Trichloroethene	25.0	26.7		ug/L		107	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120675/5
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	25.0	24.2		ug/L		97	66 - 132
1,2,3-Trichloropropane	25.0	25.6		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 132
1,3,5-Trimethylbenzene	25.0	25.1		ug/L		101	70 - 130
Vinyl acetate	25.0	24.5		ug/L		98	43 - 163
Vinyl chloride	25.0	23.0		ug/L		92	54 - 135
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 142
o-Xylene	25.0	25.6		ug/L		102	70 - 130
2,2-Dichloropropane	25.0	30.4		ug/L		121	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCS 720-120675/7
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	499		ug/L		100	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 720-120675/6
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	27.1		ug/L		108	62 - 130	0	20
Acetone	125	104		ug/L		83	26 - 180	0	30
Benzene	25.0	24.8		ug/L		99	79 - 130	1	20
Dichlorobromomethane	25.0	28.2		ug/L		113	70 - 130	1	20
Bromobenzene	25.0	25.1		ug/L		100	70 - 130	2	20
Chlorobromomethane	25.0	25.8		ug/L		103	70 - 130	2	20
Bromoform	25.0	25.1		ug/L		100	68 - 136	0	20
Bromomethane	25.0	24.6		ug/L		98	43 - 151	1	20
2-Butanone (MEK)	125	117		ug/L		93	54 - 130	11	20
n-Butylbenzene	25.0	25.3		ug/L		101	70 - 142	1	20
sec-Butylbenzene	25.0	24.9		ug/L		100	70 - 134	0	20
tert-Butylbenzene	25.0	26.4		ug/L		106	70 - 135	1	20
Carbon disulfide	25.0	28.4		ug/L		114	58 - 130	0	20
Carbon tetrachloride	25.0	28.0		ug/L		112	70 - 146	1	20
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130	0	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120675/6
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	25.0	23.4		ug/L		94	62 - 138	4	20
Chloroform	25.0	26.0		ug/L		104	70 - 130	1	20
Chloromethane	25.0	24.3		ug/L		97	52 - 175	0	20
2-Chlorotoluene	25.0	25.3		ug/L		101	70 - 130	0	20
4-Chlorotoluene	25.0	24.6		ug/L		99	70 - 130	1	20
Chlorodibromomethane	25.0	29.8		ug/L		119	70 - 145	1	20
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	70 - 130	2	20
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene	25.0	25.6		ug/L		102	70 - 130	2	20
1,3-Dichloropropane	25.0	26.3		ug/L		105	70 - 130	0	20
1,1-Dichloropropene	25.0	27.1		ug/L		108	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	25.0	25.7		ug/L		103	70 - 136	1	20
Ethylene Dibromide	25.0	27.3		ug/L		109	70 - 130	0	20
Dibromomethane	25.0	26.2		ug/L		105	70 - 130	2	20
Dichlorodifluoromethane	25.0	19.6		ug/L		78	34 - 132	1	20
1,1-Dichloroethane	25.0	26.0		ug/L		104	70 - 130	0	20
1,2-Dichloroethane	25.0	26.1		ug/L		104	61 - 132	0	20
1,1-Dichloroethene	25.0	25.8		ug/L		103	64 - 128	0	20
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	70 - 130	1	20
trans-1,2-Dichloroethene	25.0	26.1		ug/L		105	68 - 130	0	20
1,2-Dichloropropane	25.0	26.5		ug/L		106	70 - 130	0	20
cis-1,3-Dichloropropene	25.0	30.7		ug/L		123	70 - 130	0	20
trans-1,3-Dichloropropene	25.0	29.8		ug/L		119	70 - 140	1	20
Ethylbenzene	25.0	24.1		ug/L		96	80 - 120	2	20
Hexachlorobutadiene	25.0	25.1		ug/L		100	70 - 130	4	20
2-Hexanone	125	116		ug/L		93	60 - 164	1	20
Isopropylbenzene	25.0	26.4		ug/L		106	70 - 130	1	20
4-Isopropyltoluene	25.0	24.8		ug/L		99	70 - 130	1	20
Methylene Chloride	25.0	26.5		ug/L		106	70 - 147	2	20
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	58 - 130	2	20
Naphthalene	25.0	25.7		ug/L		103	70 - 130	4	20
N-Propylbenzene	25.0	25.4		ug/L		102	70 - 130	0	20
Styrene	25.0	27.5		ug/L		110	70 - 130	1	20
1,1,1,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130	0	20
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	70 - 130	3	20
Tetrachloroethene	25.0	27.0		ug/L		108	70 - 130	0	20
Toluene	25.0	24.2		ug/L		97	78 - 120	2	20
1,2,3-Trichlorobenzene	25.0	23.9		ug/L		96	70 - 130	4	20
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	1	20
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	70 - 130	0	20
1,1,2-Trichloroethane	25.0	27.1		ug/L		108	70 - 130	1	20
Trichloroethene	25.0	27.3		ug/L		109	70 - 130	2	20
Trichlorofluoromethane	25.0	23.8		ug/L		95	66 - 132	2	20
1,2,3-Trichloropropane	25.0	26.1		ug/L		104	70 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.3		ug/L		101	42 - 162	1	20
1,2,4-Trimethylbenzene	25.0	24.8		ug/L		99	70 - 132	1	20
1,3,5-Trimethylbenzene	25.0	25.4		ug/L		102	70 - 130	1	20
Vinyl acetate	25.0	22.9		ug/L		92	43 - 163	6	20
Vinyl chloride	25.0	22.6		ug/L		91	54 - 135	2	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120675/6
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	50.0	48.5		ug/L		97	70 - 142	2	20
o-Xylene	25.0	25.1		ug/L		100	70 - 130	2	20
2,2-Dichloropropane	25.0	29.8		ug/L		119	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 138*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 720-120675/8
Matrix: Water
Analysis Batch: 120675

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	503		ug/L		101	62 - 120	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 138*
Toluene-d8 (Surr)	*101*		*70 - 130*

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

GC/MS VOA

Analysis Batch: 120674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44436-7	MP-1-3	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-8	MP-2-1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120674/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120674/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120674/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120674/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120674/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Analysis Batch: 120675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44436-1	MW-1	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-2	MW-10	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-3	MW-2	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-4	MW-3	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-5	MP-1-1	Total/NA	Water	8260B/CA_LUFT MS	
720-44436-6	MP-1-2	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120675/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120675/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120675/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120675/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120675/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Client Sample ID: MW-1

Lab Sample ID: 720-44436-1
Matrix: Water

Date Collected: 09/10/12 15:15
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 23:21	AC	TAL SF

Client Sample ID: MW-10

Lab Sample ID: 720-44436-2
Matrix: Water

Date Collected: 09/10/12 15:17
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/11/12 23:52	AC	TAL SF

Client Sample ID: MW-2

Lab Sample ID: 720-44436-3
Matrix: Water

Date Collected: 09/10/12 16:10
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/12/12 00:24	AC	TAL SF

Client Sample ID: MW-3

Lab Sample ID: 720-44436-4
Matrix: Water

Date Collected: 09/10/12 15:40
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/12/12 00:54	AC	TAL SF

Client Sample ID: MP-1-1

Lab Sample ID: 720-44436-5
Matrix: Water

Date Collected: 09/10/12 10:25
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/12/12 01:27	AC	TAL SF

Client Sample ID: MP-1-2

Lab Sample ID: 720-44436-6
Matrix: Water

Date Collected: 09/10/12 16:30
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120675	09/12/12 01:58	AC	TAL SF

Client Sample ID: MP-1-3

Lab Sample ID: 720-44436-7
Matrix: Water

Date Collected: 09/10/12 16:40
Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120674	09/11/12 21:51	AC	TAL SF

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Client Sample ID: MP-2-1

Date Collected: 09/10/12 12:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44436-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120674	09/11/12 22:21	AC	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44436-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44436-1	MW-1	Water	09/10/12 15:15	09/11/12 11:30
720-44436-2	MW-10	Water	09/10/12 15:17	09/11/12 11:30
720-44436-3	MW-2	Water	09/10/12 16:10	09/11/12 11:30
720-44436-4	MW-3	Water	09/10/12 15:40	09/11/12 11:30
720-44436-5	MP-1-1	Water	09/10/12 10:25	09/11/12 11:30
720-44436-6	MP-1-2	Water	09/10/12 16:30	09/11/12 11:30
720-44436-7	MP-1-3	Water	09/10/12 16:40	09/11/12 11:30
720-44436-8	MP-2-1	Water	09/10/12 12:35	09/11/12 11:30

13

CHAIN OF CUSTODY FORM

amec

9/18/2012

Seq. No. 1478

Lab: Test America

1465 North McDowell Blvd.
Suite 200
Petaluma, CA 94954
(707) 793-3800

Samplers: Scott Graham

720.44436

140659

Job Number: 0D1016 0070.0000 2

Name/Location: Crown Chevrolet

Project Manager: Avery Patton

Recorder: (Signature Required)

MATRIX			# CONTAINERS					SAMPLE NUMBER	DATE YR	MO	DAY	TIME	STATION DESCRIPTION	DEPTH	ANALYSIS REQUESTED: 8260 VOCs + TPHg	8270	TITLE 22 METALS
Water	Soil	Air	Unpres.	H2SO4	HNO3	HCL											
X						3		MW-1	12	09	10	1515			X		
X						3		MW-10	12	09	10	1577			X		
X						3		MW-2	12	09	10	1610			X		
X						3		MW-3	12	09	10	1540			X		
X						3		MP-1-1	12	09	10	1025			X		
X						3		MP-1-2	12	09	10	1630			X		
X						3		MP-1-3	12	09	10	1640			X		
X						3		MP-2-1	12	09	10	1235			X		
~~X~~						~~3~~		~~MP-2-1 C~~	~~12~~	~~09~~	~~10~~	~~1245~~			~~X~~		

ADDITIONAL INFORMATION

REPORT TO: Avery Patton

RUSH

PO#:

TAT:

Comments: Field Filtered Y/N

24 hr TAT

permission to analyze out of temp

CHAIN OF CUSTODY RECORD

Relinquished By (Signature)	Scott Graham (Print Name)	AMEC (Company)	9/11/12 1130 (Date/Time)
Received By (Signature):	Curtis Geard (Print Name)	TASF (Company)	9/11/12 1130 (Date/Time)
Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
Received By (Signature):	(Print Name)	(Company)	(Date/Time)
Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
Received By (Signature):	(Print Name)	(Company)	(Date/Time)

Method of Shipment: Temp 8.6°C

White - Laboratory Copy Yellow - Project Office Copy Pink - Field or Office Copy

F1008-E

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44436-1

Login Number: 44436
List Number: 1
Creator: Apostol, Anita

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-44469-1
Client Project/Site: Crown Chevrolet

For:
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612

Attn: Avery Patton

Authorized for release by:
9/18/2012 6:18:37 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-44469-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-44469-1

Comments
No additional comments.

Receipt
The samples were received on 9/11/2012 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.6º C.

GC/MS VOA
Method(s) 8260B: Matrix spikes for batch #120901 could not be recovered due to sample matrix interferences. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: Surrogate PTP recovery for the following sample(s) was outside control limits: IDW-2 (720-44469-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

Metals
.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Client Sample ID: IDW-2 — Lab Sample ID: 720-44469-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	24		0.99		mg/Kg	1		8015B	Total/NA
Motor Oil Range Organics [C24-C36]	81		50		mg/Kg	1		8015B	Total/NA
TPH-Hydraulic Oil Range (C19-C36)	75		50		mg/Kg	1		8015B	Total/NA
Arsenic	5.3		3.9		mg/Kg	4		6010B	Total/NA
Barium	130		2.0		mg/Kg	4		6010B	Total/NA
Beryllium	0.46		0.39		mg/Kg	4		6010B	Total/NA
Chromium	43		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.78		mg/Kg	4		6010B	Total/NA
Copper	27		5.9		mg/Kg	4		6010B	Total/NA
Lead	5.9		2.0		mg/Kg	4		6010B	Total/NA
Nickel	41		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	40		2.0		mg/Kg	4		6010B	Total/NA
Zinc	56		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.036		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: IDW-1 — Lab Sample ID: 720-44469-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		0.50		ug/L	1		8260B/CA_LUFT MS	Total/NA
Xylenes, Total	1.5		1.0		ug/L	1		8260B/CA_LUFT MS	Total/NA
Diesel Range Organics [C10-C28]	240		47		ug/L	1		8015B	Total/NA
Barium	0.088		0.0050		mg/L	1		6010B	Total/NA
Chromium	0.023		0.010		mg/L	1		6010B	Total/NA
Cobalt	0.0026		0.0020		mg/L	1		6010B	Total/NA
Molybdenum	0.18		0.010		mg/L	1		6010B	Total/NA
Nickel	0.015		0.010		mg/L	1		6010B	Total/NA
Vanadium	0.11		0.010		mg/L	1		6010B	Total/NA
Zinc	0.020		0.020		mg/L	1		6010B	Total/NA

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: IDW-1
Date Collected: 09/11/12 10:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/14/12 18:12	1
Acetone	ND		50		ug/L			09/14/12 18:12	1
Benzene	ND		0.50		ug/L			09/14/12 18:12	1
Dichlorobromomethane	ND		0.50		ug/L			09/14/12 18:12	1
Bromobenzene	ND		1.0		ug/L			09/14/12 18:12	1
Chlorobromomethane	ND		1.0		ug/L			09/14/12 18:12	1
Bromoform	ND		1.0		ug/L			09/14/12 18:12	1
Bromomethane	ND		1.0		ug/L			09/14/12 18:12	1
2-Butanone (MEK)	ND		50		ug/L			09/14/12 18:12	1
n-Butylbenzene	ND		1.0		ug/L			09/14/12 18:12	1
sec-Butylbenzene	ND		1.0		ug/L			09/14/12 18:12	1
tert-Butylbenzene	ND		1.0		ug/L			09/14/12 18:12	1
Carbon disulfide	ND		5.0		ug/L			09/14/12 18:12	1
Carbon tetrachloride	ND		0.50		ug/L			09/14/12 18:12	1
Chlorobenzene	ND		0.50		ug/L			09/14/12 18:12	1
Chloroethane	ND		1.0		ug/L			09/14/12 18:12	1
Chloroform	ND		1.0		ug/L			09/14/12 18:12	1
Chloromethane	ND		1.0		ug/L			09/14/12 18:12	1
2-Chlorotoluene	ND		0.50		ug/L			09/14/12 18:12	1
4-Chlorotoluene	ND		0.50		ug/L			09/14/12 18:12	1
Chlorodibromomethane	ND		0.50		ug/L			09/14/12 18:12	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/14/12 18:12	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/14/12 18:12	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/14/12 18:12	1
1,3-Dichloropropane	ND		1.0		ug/L			09/14/12 18:12	1
1,1-Dichloropropene	ND		0.50		ug/L			09/14/12 18:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/14/12 18:12	1
Ethylene Dibromide	ND		0.50		ug/L			09/14/12 18:12	1
Dibromomethane	ND		0.50		ug/L			09/14/12 18:12	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/14/12 18:12	1
1,1-Dichloroethane	ND		0.50		ug/L			09/14/12 18:12	1
1,2-Dichloroethane	ND		0.50		ug/L			09/14/12 18:12	1
1,1-Dichloroethene	ND		0.50		ug/L			09/14/12 18:12	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/14/12 18:12	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/14/12 18:12	1
1,2-Dichloropropane	ND		0.50		ug/L			09/14/12 18:12	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/14/12 18:12	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/14/12 18:12	1
Ethylbenzene	ND		0.50		ug/L			09/14/12 18:12	1
Hexachlorobutadiene	ND		1.0		ug/L			09/14/12 18:12	1
2-Hexanone	ND		50		ug/L			09/14/12 18:12	1
Isopropylbenzene	ND		0.50		ug/L			09/14/12 18:12	1
4-Isopropyltoluene	ND		1.0		ug/L			09/14/12 18:12	1
Methylene Chloride	ND		5.0		ug/L			09/14/12 18:12	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/14/12 18:12	1
Naphthalene	ND		1.0		ug/L			09/14/12 18:12	1
N-Propylbenzene	ND		1.0		ug/L			09/14/12 18:12	1
Styrene	ND		0.50		ug/L			09/14/12 18:12	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/14/12 18:12	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/14/12 18:12	1
Tetrachloroethene	**1.3**		0.50		ug/L			09/14/12 18:12	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: IDW-1
Date Collected: 09/11/12 10:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50		ug/L			09/14/12 18:12	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/14/12 18:12	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/14/12 18:12	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/14/12 18:12	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/14/12 18:12	1
Trichloroethene	ND		0.50		ug/L			09/14/12 18:12	1
Trichlorofluoromethane	ND		1.0		ug/L			09/14/12 18:12	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/14/12 18:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/14/12 18:12	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/14/12 18:12	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/14/12 18:12	1
Vinyl acetate	ND		10		ug/L			09/14/12 18:12	1
Vinyl chloride	ND		0.50		ug/L			09/14/12 18:12	1
Xylenes, Total	**1.5**		1.0		ug/L			09/14/12 18:12	1
2,2-Dichloropropane	ND		0.50		ug/L			09/14/12 18:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/14/12 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*67 - 130*		*09/14/12 18:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 138*		*09/14/12 18:12*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*09/14/12 18:12*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Client Sample ID: IDW-2
Date Collected: 09/11/12 10:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	24		0.99		mg/Kg		09/14/12 07:08	09/17/12 13:22	1
Motor Oil Range Organics [C24-C36]	81		50		mg/Kg		09/14/12 07:08	09/17/12 13:22	1
TPH-Hydraulic Oil Range (C19-C36)	75		50		mg/Kg		09/14/12 07:08	09/17/12 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*166*	*X*	*40 - 130*	*09/14/12 07:08*	*09/17/12 13:22*	*1*

Client Sample ID: IDW-1
Date Collected: 09/11/12 10:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	240		47		ug/L		09/14/12 14:09	09/17/12 15:00	1
Motor Oil Range Organics [C24-C36]	ND		93		ug/L		09/14/12 14:09	09/17/12 15:00	1
TPH-Hydraulic Oil Range (C19-C36)	ND		93		ug/L		09/14/12 14:09	09/17/12 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*110*		*23 - 156*	*09/14/12 14:09*	*09/17/12 15:00*	*1*

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method: 6010B - Metals (ICP)

Client Sample ID: IDW-2
Date Collected: 09/11/12 10:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Arsenic	**5.3**		3.9		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Barium	**130**		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Beryllium	**0.46**		0.39		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Cadmium	ND		0.49		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Chromium	**43**		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Cobalt	**11**		0.78		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Copper	**27**		5.9		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Lead	**5.9**		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Molybdenum	ND		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Nickel	**41**		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Selenium	ND		3.9		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Silver	ND		0.98		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Thallium	ND		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Vanadium	**40**		2.0		mg/Kg		09/14/12 16:14	09/17/12 12:45	4
Zinc	**56**		5.9		mg/Kg		09/14/12 16:14	09/17/12 12:45	4

Client Sample ID: IDW-1
Date Collected: 09/11/12 10:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Arsenic	ND		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Barium	**0.088**		0.0050		mg/L		09/13/12 14:20	09/15/12 01:24	1
Beryllium	ND		0.0020		mg/L		09/13/12 14:20	09/15/12 01:24	1
Cadmium	ND		0.0025		mg/L		09/13/12 14:20	09/15/12 01:24	1
Chromium	**0.023**		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Cobalt	**0.0026**		0.0020		mg/L		09/13/12 14:20	09/15/12 01:24	1
Copper	ND		0.020		mg/L		09/13/12 14:20	09/15/12 01:24	1
Lead	ND		0.0050		mg/L		09/13/12 14:20	09/15/12 01:24	1
Molybdenum	**0.18**		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Nickel	**0.015**		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Selenium	ND		0.020		mg/L		09/13/12 14:20	09/15/12 01:24	1
Silver	ND		0.0050		mg/L		09/13/12 14:20	09/15/12 01:24	1
Thallium	ND		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Vanadium	**0.11**		0.010		mg/L		09/13/12 14:20	09/15/12 01:24	1
Zinc	**0.020**		0.020		mg/L		09/13/12 14:20	09/15/12 01:24	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method: 7470A - Mercury (CVAA)

Client Sample ID: IDW-1
Date Collected: 09/11/12 10:40
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/17/12 18:28	09/18/12 17:21	1

Client Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method: 7471A - Mercury (CVAA)

Client Sample ID: IDW-2
Date Collected: 09/11/12 10:35
Date Received: 09/11/12 11:30

Lab Sample ID: 720-44469-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.0094		mg/Kg		09/14/12 18:03	09/17/12 14:18	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-120901/4
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L			09/14/12 08:25	1
Acetone	ND		50		ug/L			09/14/12 08:25	1
Benzene	ND		0.50		ug/L			09/14/12 08:25	1
Dichlorobromomethane	ND		0.50		ug/L			09/14/12 08:25	1
Bromobenzene	ND		1.0		ug/L			09/14/12 08:25	1
Chlorobromomethane	ND		1.0		ug/L			09/14/12 08:25	1
Bromoform	ND		1.0		ug/L			09/14/12 08:25	1
Bromomethane	ND		1.0		ug/L			09/14/12 08:25	1
2-Butanone (MEK)	ND		50		ug/L			09/14/12 08:25	1
n-Butylbenzene	ND		1.0		ug/L			09/14/12 08:25	1
sec-Butylbenzene	ND		1.0		ug/L			09/14/12 08:25	1
tert-Butylbenzene	ND		1.0		ug/L			09/14/12 08:25	1
Carbon disulfide	ND		5.0		ug/L			09/14/12 08:25	1
Carbon tetrachloride	ND		0.50		ug/L			09/14/12 08:25	1
Chlorobenzene	ND		0.50		ug/L			09/14/12 08:25	1
Chloroethane	ND		1.0		ug/L			09/14/12 08:25	1
Chloroform	ND		1.0		ug/L			09/14/12 08:25	1
Chloromethane	ND		1.0		ug/L			09/14/12 08:25	1
2-Chlorotoluene	ND		0.50		ug/L			09/14/12 08:25	1
4-Chlorotoluene	ND		0.50		ug/L			09/14/12 08:25	1
Chlorodibromomethane	ND		0.50		ug/L			09/14/12 08:25	1
1,2-Dichlorobenzene	ND		0.50		ug/L			09/14/12 08:25	1
1,3-Dichlorobenzene	ND		0.50		ug/L			09/14/12 08:25	1
1,4-Dichlorobenzene	ND		0.50		ug/L			09/14/12 08:25	1
1,3-Dichloropropane	ND		1.0		ug/L			09/14/12 08:25	1
1,1-Dichloropropene	ND		0.50		ug/L			09/14/12 08:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			09/14/12 08:25	1
Ethylene Dibromide	ND		0.50		ug/L			09/14/12 08:25	1
Dibromomethane	ND		0.50		ug/L			09/14/12 08:25	1
Dichlorodifluoromethane	ND		0.50		ug/L			09/14/12 08:25	1
1,1-Dichloroethane	ND		0.50		ug/L			09/14/12 08:25	1
1,2-Dichloroethane	ND		0.50		ug/L			09/14/12 08:25	1
1,1-Dichloroethene	ND		0.50		ug/L			09/14/12 08:25	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			09/14/12 08:25	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			09/14/12 08:25	1
1,2-Dichloropropane	ND		0.50		ug/L			09/14/12 08:25	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			09/14/12 08:25	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			09/14/12 08:25	1
Ethylbenzene	ND		0.50		ug/L			09/14/12 08:25	1
Hexachlorobutadiene	ND		1.0		ug/L			09/14/12 08:25	1
2-Hexanone	ND		50		ug/L			09/14/12 08:25	1
Isopropylbenzene	ND		0.50		ug/L			09/14/12 08:25	1
4-Isopropyltoluene	ND		1.0		ug/L			09/14/12 08:25	1
Methylene Chloride	ND		5.0		ug/L			09/14/12 08:25	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			09/14/12 08:25	1
Naphthalene	ND		1.0		ug/L			09/14/12 08:25	1
N-Propylbenzene	ND		1.0		ug/L			09/14/12 08:25	1
Styrene	ND		0.50		ug/L			09/14/12 08:25	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			09/14/12 08:25	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-120901/4
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			09/14/12 08:25	1
Tetrachloroethene	ND		0.50		ug/L			09/14/12 08:25	1
Toluene	ND		0.50		ug/L			09/14/12 08:25	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			09/14/12 08:25	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			09/14/12 08:25	1
1,1,1-Trichloroethane	ND		0.50		ug/L			09/14/12 08:25	1
1,1,2-Trichloroethane	ND		0.50		ug/L			09/14/12 08:25	1
Trichloroethene	ND		0.50		ug/L			09/14/12 08:25	1
Trichlorofluoromethane	ND		1.0		ug/L			09/14/12 08:25	1
1,2,3-Trichloropropane	ND		0.50		ug/L			09/14/12 08:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			09/14/12 08:25	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			09/14/12 08:25	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			09/14/12 08:25	1
Vinyl acetate	ND		10		ug/L			09/14/12 08:25	1
Vinyl chloride	ND		0.50		ug/L			09/14/12 08:25	1
Xylenes, Total	ND		1.0		ug/L			09/14/12 08:25	1
2,2-Dichloropropane	ND		0.50		ug/L			09/14/12 08:25	1
Gasoline Range Organics (GRO) -C5-C12	ND		50		ug/L			09/14/12 08:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 130*		*09/14/12 08:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 138*		*09/14/12 08:25*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*09/14/12 08:25*	*1*

Lab Sample ID: LCS 720-120901/5
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.6		ug/L		102	62 - 130
Acetone	125	64.3		ug/L		51	26 - 180
Benzene	25.0	25.4		ug/L		101	79 - 130
Dichlorobromomethane	25.0	26.4		ug/L		106	70 - 130
Bromobenzene	25.0	26.4		ug/L		106	70 - 130
Chlorobromomethane	25.0	24.2		ug/L		97	70 - 130
Bromoform	25.0	27.5		ug/L		110	68 - 136
Bromomethane	25.0	27.4		ug/L		109	43 - 151
2-Butanone (MEK)	125	98.2		ug/L		79	54 - 130
n-Butylbenzene	25.0	29.6		ug/L		119	70 - 142
sec-Butylbenzene	25.0	27.3		ug/L		109	70 - 134
tert-Butylbenzene	25.0	28.3		ug/L		113	70 - 135
Carbon disulfide	25.0	26.9		ug/L		108	58 - 130
Carbon tetrachloride	25.0	26.6		ug/L		106	70 - 146
Chlorobenzene	25.0	26.6		ug/L		106	70 - 130
Chloroethane	25.0	27.1		ug/L		108	62 - 138
Chloroform	25.0	25.8		ug/L		103	70 - 130
Chloromethane	25.0	23.2		ug/L		93	52 - 175
2-Chlorotoluene	25.0	28.0		ug/L		112	70 - 130
4-Chlorotoluene	25.0	27.7		ug/L		111	70 - 130

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120901/5
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	25.0	27.4		ug/L		110	70 - 145
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	70 - 130
1,3-Dichlorobenzene	25.0	27.5		ug/L		110	70 - 130
1,4-Dichlorobenzene	25.0	27.4		ug/L		110	70 - 130
1,3-Dichloropropane	25.0	26.1		ug/L		104	70 - 130
1,1-Dichloropropene	25.0	27.6		ug/L		110	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	26.9		ug/L		108	70 - 136
Ethylene Dibromide	25.0	25.3		ug/L		101	70 - 130
Dibromomethane	25.0	25.6		ug/L		102	70 - 130
Dichlorodifluoromethane	25.0	18.7		ug/L		75	34 - 132
1,1-Dichloroethane	25.0	26.2		ug/L		105	70 - 130
1,2-Dichloroethane	25.0	26.2		ug/L		105	61 - 132
1,1-Dichloroethene	25.0	26.6		ug/L		106	64 - 128
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	70 - 130
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	68 - 130
1,2-Dichloropropane	25.0	25.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	70 - 130
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	70 - 140
Ethylbenzene	25.0	26.3		ug/L		105	80 - 120
Hexachlorobutadiene	25.0	25.7		ug/L		103	70 - 130
2-Hexanone	125	101		ug/L		81	60 - 164
Isopropylbenzene	25.0	28.6		ug/L		114	70 - 130
4-Isopropyltoluene	25.0	28.4		ug/L		114	70 - 130
Methylene Chloride	25.0	24.0		ug/L		96	70 - 147
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		101	58 - 130
Naphthalene	25.0	26.9		ug/L		108	70 - 130
N-Propylbenzene	25.0	28.7		ug/L		115	70 - 130
Styrene	25.0	28.3		ug/L		113	70 - 130
1,1,1,2-Tetrachloroethane	25.0	27.5		ug/L		110	70 - 130
1,1,2,2-Tetrachloroethane	25.0	27.4		ug/L		110	70 - 130
Tetrachloroethene	25.0	26.8		ug/L		107	70 - 130
Toluene	25.0	25.6		ug/L		103	78 - 120
1,2,3-Trichlorobenzene	25.0	25.7		ug/L		103	70 - 130
1,2,4-Trichlorobenzene	25.0	26.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	25.0	28.1		ug/L		113	70 - 130
1,1,2-Trichloroethane	25.0	26.4		ug/L		106	70 - 130
Trichloroethene	25.0	26.2		ug/L		105	70 - 130
Trichlorofluoromethane	25.0	28.4		ug/L		113	66 - 132
1,2,3-Trichloropropane	25.0	28.0		ug/L		112	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	25.6		ug/L		102	42 - 162
1,2,4-Trimethylbenzene	25.0	27.9		ug/L		112	70 - 132
1,3,5-Trimethylbenzene	25.0	28.4		ug/L		114	70 - 130
Vinyl acetate	25.0	27.4		ug/L		110	43 - 163
Vinyl chloride	25.0	24.9		ug/L		100	54 - 135
m-Xylene & p-Xylene	50.0	54.4		ug/L		109	70 - 142
o-Xylene	25.0	27.3		ug/L		109	70 - 130
2,2-Dichloropropane	25.0	31.5		ug/L		126	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-120901/5
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: LCS 720-120901/7
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	500	465		ug/L		93	62 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 138*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 720-120901/6
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	25.0	25.4		ug/L		102	62 - 130	1	20
Acetone	125	71.2		ug/L		57	26 - 180	10	30
Benzene	25.0	24.2		ug/L		97	79 - 130	5	20
Dichlorobromomethane	25.0	25.3		ug/L		101	70 - 130	4	20
Bromobenzene	25.0	25.1		ug/L		101	70 - 130	5	20
Chlorobromomethane	25.0	23.2		ug/L		93	70 - 130	4	20
Bromoform	25.0	27.1		ug/L		109	68 - 136	1	20
Bromomethane	25.0	25.4		ug/L		102	43 - 151	7	20
2-Butanone (MEK)	125	98.8		ug/L		79	54 - 130	1	20
n-Butylbenzene	25.0	27.7		ug/L		111	70 - 142	7	20
sec-Butylbenzene	25.0	25.9		ug/L		104	70 - 134	5	20
tert-Butylbenzene	25.0	26.8		ug/L		107	70 - 135	5	20
Carbon disulfide	25.0	24.9		ug/L		100	58 - 130	8	20
Carbon tetrachloride	25.0	25.0		ug/L		100	70 - 146	6	20
Chlorobenzene	25.0	25.4		ug/L		102	70 - 130	4	20
Chloroethane	25.0	25.5		ug/L		102	62 - 138	6	20
Chloroform	25.0	24.6		ug/L		98	70 - 130	5	20
Chloromethane	25.0	21.7		ug/L		87	52 - 175	6	20
2-Chlorotoluene	25.0	26.5		ug/L		106	70 - 130	5	20
4-Chlorotoluene	25.0	26.2		ug/L		105	70 - 130	6	20
Chlorodibromomethane	25.0	26.3		ug/L		105	70 - 145	4	20
1,2-Dichlorobenzene	25.0	25.4		ug/L		101	70 - 130	5	20
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	70 - 130	5	20
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	70 - 130	5	20
1,3-Dichloropropane	25.0	25.2		ug/L		101	70 - 130	4	20
1,1-Dichloropropene	25.0	26.2		ug/L		105	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	25.0	27.6		ug/L		110	70 - 136	3	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120901/6
Matrix: Water
Analysis Batch: 120901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	25.0	24.6		ug/L		98	70 - 130	3	20
Dibromomethane	25.0	25.1		ug/L		100	70 - 130	2	20
Dichlorodifluoromethane	25.0	16.9		ug/L		68	34 - 132	10	20
1,1-Dichloroethane	25.0	24.8		ug/L		99	70 - 130	5	20
1,2-Dichloroethane	25.0	25.1		ug/L		100	61 - 132	4	20
1,1-Dichloroethene	25.0	24.9		ug/L		100	64 - 128	6	20
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	70 - 130	5	20
trans-1,2-Dichloroethene	25.0	24.9		ug/L		99	68 - 130	5	20
1,2-Dichloropropane	25.0	24.8		ug/L		99	70 - 130	4	20
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	70 - 130	4	20
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	70 - 140	3	20
Ethylbenzene	25.0	24.9		ug/L		100	80 - 120	5	20
Hexachlorobutadiene	25.0	23.9		ug/L		96	70 - 130	7	20
2-Hexanone	125	105		ug/L		84	60 - 164	3	20
Isopropylbenzene	25.0	26.9		ug/L		108	70 - 130	6	20
4-Isopropyltoluene	25.0	27.0		ug/L		108	70 - 130	5	20
Methylene Chloride	25.0	22.8		ug/L		91	70 - 147	5	20
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	58 - 130	2	20
Naphthalene	25.0	26.4		ug/L		106	70 - 130	2	20
N-Propylbenzene	25.0	27.2		ug/L		109	70 - 130	5	20
Styrene	25.0	27.0		ug/L		108	70 - 130	5	20
1,1,1,2-Tetrachloroethane	25.0	26.2		ug/L		105	70 - 130	5	20
1,1,2,2-Tetrachloroethane	25.0	27.6		ug/L		110	70 - 130	1	20
Tetrachloroethene	25.0	25.2		ug/L		101	70 - 130	6	20
Toluene	25.0	24.5		ug/L		98	78 - 120	5	20
1,2,3-Trichlorobenzene	25.0	24.3		ug/L		97	70 - 130	6	20
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	70 - 130	6	20
1,1,1-Trichloroethane	25.0	26.4		ug/L		106	70 - 130	6	20
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	70 - 130	3	20
Trichloroethene	25.0	24.8		ug/L		99	70 - 130	6	20
Trichlorofluoromethane	25.0	26.2		ug/L		105	66 - 132	8	20
1,2,3-Trichloropropane	25.0	27.8		ug/L		111	70 - 130	1	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne	25.0	24.0		ug/L		96	42 - 162	6	20
1,2,4-Trimethylbenzene	25.0	26.4		ug/L		106	70 - 132	5	20
1,3,5-Trimethylbenzene	25.0	26.8		ug/L		107	70 - 130	6	20
Vinyl acetate	25.0	27.1		ug/L		109	43 - 163	1	20
Vinyl chloride	25.0	22.8		ug/L		91	54 - 135	9	20
m-Xylene & p-Xylene	50.0	51.4		ug/L		103	70 - 142	6	20
o-Xylene	25.0	26.0		ug/L		104	70 - 130	5	20
2,2-Dichloropropane	25.0	29.3		ug/L		117	70 - 140	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 138*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-120901/8 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 120901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	500	451		ug/L		90	62 - 120	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 130*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 138*
Toluene-d8 (Surr)	*104*		*70 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-120906/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121011 — **Prep Batch: 120906**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		09/14/12 07:08	09/17/12 17:26	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		09/14/12 07:08	09/17/12 17:26	1
TPH-Hydraulic Oil Range (C19-C36)	ND		50		mg/Kg		09/14/12 07:08	09/17/12 17:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*99*		*40 - 130*	*09/14/12 07:08*	*09/17/12 17:26*	*1*

Lab Sample ID: LCS 720-120906/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120899 — **Prep Batch: 120906**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.9	65.8		mg/Kg		79	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*104*		*40 - 130*

Lab Sample ID: LCSD 720-120906/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 120899 — **Prep Batch: 120906**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.2	67.4		mg/Kg		81	50 - 150	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*91*		*40 - 130*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 720-120941/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121011 — **Prep Batch: 120941**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		50		ug/L		09/14/12 14:09	09/17/12 14:35	1
Motor Oil Range Organics [C24-C36]	ND		99		ug/L		09/14/12 14:09	09/17/12 14:35	1
TPH-Hydraulic Oil Range (C19-C36)	ND		99		ug/L		09/14/12 14:09	09/17/12 14:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
p-Terphenyl	*95*		*23 - 156*	*09/14/12 14:09*	*09/17/12 14:35*	*1*

Lab Sample ID: LCS 720-120941/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121011 — **Prep Batch: 120941**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	2500	1930		ug/L		77	40 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*96*		*23 - 156*

Lab Sample ID: LCSD 720-120941/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121011 — **Prep Batch: 120941**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	2500	1860		ug/L		74	40 - 150	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*104*		*23 - 156*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-120858/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121019 — **Prep Batch: 120858**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Arsenic	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Barium	ND		0.0050		mg/L		09/13/12 14:20	09/14/12 23:49	1
Beryllium	ND		0.0020		mg/L		09/13/12 14:20	09/14/12 23:49	1
Cadmium	ND		0.0025		mg/L		09/13/12 14:20	09/14/12 23:49	1
Chromium	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Cobalt	ND		0.0020		mg/L		09/13/12 14:20	09/14/12 23:49	1
Copper	ND		0.020		mg/L		09/13/12 14:20	09/14/12 23:49	1
Lead	ND		0.0050		mg/L		09/13/12 14:20	09/14/12 23:49	1
Molybdenum	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Nickel	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Selenium	ND		0.020		mg/L		09/13/12 14:20	09/14/12 23:49	1
Silver	ND		0.0050		mg/L		09/13/12 14:20	09/14/12 23:49	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-120858/1-A
Matrix: Water
Analysis Batch: 121019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Vanadium	ND		0.010		mg/L		09/13/12 14:20	09/14/12 23:49	1
Zinc	ND		0.020		mg/L		09/13/12 14:20	09/14/12 23:49	1

Lab Sample ID: LCS 720-120858/2-A
Matrix: Water
Analysis Batch: 121019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1.00	0.976		mg/L		98	80 - 120
Arsenic	1.00	0.982		mg/L		98	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	0.990		mg/L		99	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Cobalt	1.00	1.01		mg/L		101	80 - 120
Copper	1.00	1.01		mg/L		101	80 - 120
Lead	1.00	1.01		mg/L		101	80 - 120
Molybdenum	1.00	1.01		mg/L		101	80 - 120
Nickel	1.00	1.01		mg/L		101	80 - 120
Selenium	1.00	0.933		mg/L		93	80 - 120
Silver	0.500	0.492		mg/L		98	80 - 120
Thallium	1.00	1.00		mg/L		100	80 - 120
Vanadium	1.00	1.01		mg/L		101	80 - 120
Zinc	1.00	0.989		mg/L		99	80 - 120

Lab Sample ID: LCSD 720-120858/3-A
Matrix: Water
Analysis Batch: 121019

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120858

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1.00	0.979		mg/L		98	80 - 120	0	20
Arsenic	1.00	0.979		mg/L		98	80 - 120	0	20
Barium	1.00	1.00		mg/L		100	80 - 120	1	20
Beryllium	1.00	1.01		mg/L		101	80 - 120	1	20
Cadmium	1.00	0.987		mg/L		99	80 - 120	0	20
Chromium	1.00	1.02		mg/L		102	80 - 120	0	20
Cobalt	1.00	1.00		mg/L		100	80 - 120	0	20
Copper	1.00	1.01		mg/L		101	80 - 120	0	20
Lead	1.00	1.01		mg/L		101	80 - 120	0	20
Molybdenum	1.00	1.02		mg/L		102	80 - 120	1	20
Nickel	1.00	1.01		mg/L		101	80 - 120	0	20
Selenium	1.00	0.940		mg/L		94	80 - 120	1	20
Silver	0.500	0.493		mg/L		99	80 - 120	0	20
Thallium	1.00	1.00		mg/L		100	80 - 120	0	20
Vanadium	1.00	1.01		mg/L		101	80 - 120	0	20
Zinc	1.00	0.985		mg/L		99	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-44469-2 MS — **Client Sample ID: IDW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121019 — **Prep Batch: 120858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		1.00	0.898		mg/L		89	75 - 125
Arsenic	ND		1.00	0.949		mg/L		94	75 - 125
Barium	0.088		1.00	1.05		mg/L		97	75 - 125
Beryllium	ND		1.00	0.994		mg/L		99	75 - 125
Cadmium	ND		1.00	0.913		mg/L		91	75 - 125
Chromium	0.023		1.00	0.992		mg/L		97	75 - 125
Cobalt	0.0026		1.00	0.941		mg/L		94	75 - 125
Copper	ND		1.00	1.01		mg/L		100	75 - 125
Lead	ND		1.00	0.960		mg/L		96	75 - 125
Molybdenum	0.18		1.00	1.17		mg/L		99	75 - 125
Nickel	0.015		1.00	0.976		mg/L		96	75 - 125
Selenium	ND		1.00	0.919		mg/L		92	75 - 125
Silver	ND		0.500	0.468		mg/L		93	75 - 125
Thallium	ND		1.00	0.945		mg/L		95	75 - 125
Vanadium	0.11		1.00	1.12		mg/L		101	75 - 125
Zinc	0.020		1.00	0.935		mg/L		92	75 - 125

Lab Sample ID: 720-44469-2 MSD — **Client Sample ID: IDW-1**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121019 — **Prep Batch: 120858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		1.00	0.909		mg/L		91	75 - 125	1	20
Arsenic	ND		1.00	0.954		mg/L		95	75 - 125	1	20
Barium	0.088		1.00	1.06		mg/L		97	75 - 125	0	20
Beryllium	ND		1.00	1.00		mg/L		100	75 - 125	1	20
Cadmium	ND		1.00	0.916		mg/L		92	75 - 125	0	20
Chromium	0.023		1.00	1.01		mg/L		98	75 - 125	1	20
Cobalt	0.0026		1.00	0.945		mg/L		94	75 - 125	0	20
Copper	ND		1.00	1.03		mg/L		102	75 - 125	2	20
Lead	ND		1.00	0.971		mg/L		97	75 - 125	1	20
Molybdenum	0.18		1.00	1.19		mg/L		101	75 - 125	2	20
Nickel	0.015		1.00	0.987		mg/L		97	75 - 125	1	20
Selenium	ND		1.00	0.932		mg/L		93	75 - 125	1	20
Silver	ND		0.500	0.472		mg/L		94	75 - 125	1	20
Thallium	ND		1.00	0.958		mg/L		96	75 - 125	1	20
Vanadium	0.11		1.00	1.14		mg/L		103	75 - 125	2	20
Zinc	0.020		1.00	0.938		mg/L		92	75 - 125	0	20

Lab Sample ID: MB 720-120961/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121046 — **Prep Batch: 120961**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Arsenic	ND		1.0		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Barium	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Beryllium	ND		0.10		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Cadmium	ND		0.13		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Chromium	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-120961/1-A
Matrix: Solid
Analysis Batch: 121046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.20		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Copper	ND		1.5		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Lead	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Molybdenum	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Nickel	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Selenium	ND		1.0		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Silver	ND		0.25		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Thallium	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Vanadium	ND		0.50		mg/Kg		09/14/12 16:14	09/17/12 11:29	1
Zinc	ND		1.5		mg/Kg		09/14/12 16:14	09/17/12 11:29	1

Lab Sample ID: LCS 720-120961/2-A
Matrix: Solid
Analysis Batch: 121046

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	50.5		mg/Kg		101	80 - 120
Arsenic	50.0	49.7		mg/Kg		99	80 - 120
Barium	50.0	47.5		mg/Kg		95	80 - 120
Beryllium	50.0	49.5		mg/Kg		99	80 - 120
Cadmium	50.0	50.1		mg/Kg		100	80 - 120
Chromium	50.0	49.7		mg/Kg		99	80 - 120
Cobalt	50.0	51.6		mg/Kg		103	80 - 120
Copper	50.0	49.4		mg/Kg		99	80 - 120
Lead	50.0	49.1		mg/Kg		98	80 - 120
Molybdenum	50.0	49.3		mg/Kg		99	80 - 120
Nickel	50.0	49.4		mg/Kg		99	80 - 120
Selenium	50.0	50.0		mg/Kg		100	80 - 120
Silver	25.0	23.2		mg/Kg		93	80 - 120
Thallium	50.0	49.0		mg/Kg		98	80 - 120
Vanadium	50.0	46.1		mg/Kg		92	80 - 120
Zinc	50.0	50.1		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-120961/3-A
Matrix: Solid
Analysis Batch: 121046

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120961

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	50.6		mg/Kg		101	80 - 120	0	20
Arsenic	50.0	50.0		mg/Kg		100	80 - 120	1	20
Barium	50.0	47.5		mg/Kg		95	80 - 120	0	20
Beryllium	50.0	49.7		mg/Kg		99	80 - 120	0	20
Cadmium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Chromium	50.0	50.0		mg/Kg		100	80 - 120	1	20
Cobalt	50.0	51.8		mg/Kg		104	80 - 120	0	20
Copper	50.0	49.6		mg/Kg		99	80 - 120	0	20
Lead	50.0	49.5		mg/Kg		99	80 - 120	1	20
Molybdenum	50.0	49.8		mg/Kg		100	80 - 120	1	20
Nickel	50.0	49.7		mg/Kg		99	80 - 120	1	20
Selenium	50.0	50.4		mg/Kg		101	80 - 120	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-120961/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121046 — **Prep Batch: 120961**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	25.0	23.2		mg/Kg		93	80 - 120	0	20
Thallium	50.0	49.4		mg/Kg		99	80 - 120	1	20
Vanadium	50.0	46.0		mg/Kg		92	80 - 120	0	20
Zinc	50.0	50.6		mg/Kg		101	80 - 120	1	20

Lab Sample ID: LCSSRM 720-120961/25-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121046 — **Prep Batch: 120961**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	76.3	36.2		mg/Kg		47	11 - 101
Arsenic	84.1	79.7		mg/Kg		95	69 - 119
Barium	517	446		mg/Kg		86	61 - 117
Beryllium	153	140		mg/Kg		92	56 - 102
Cadmium	42.0	39.9		mg/Kg		95	67 - 118
Chromium	269	253		mg/Kg		94	67 - 121
Cobalt	323	317		mg/Kg		98	64 - 133
Copper	263	255		mg/Kg		97	68 - 126
Lead	280	259		mg/Kg		93	62 - 113
Molybdenum	215	202		mg/Kg		94	62 - 128
Nickel	106	97.8		mg/Kg		92	65 - 117
Selenium	138	132		mg/Kg		96	63 - 126
Silver	50.4	46.1		mg/Kg		92	51 - 130
Thallium	331	313		mg/Kg		95	64 - 124
Vanadium	142	126		mg/Kg		89	67 - 123
Zinc	574	535		mg/Kg		93	62 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-121082/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121175 — **Prep Batch: 121082**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/17/12 18:28	09/18/12 16:38	1

Lab Sample ID: LCS 720-121082/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121175 — **Prep Batch: 121082**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.00982		mg/L		98	85 - 115

Lab Sample ID: LCSD 720-121082/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 121175 — **Prep Batch: 121082**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.00976		mg/L		98	85 - 115	1	20

QC Sample Results

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-120972/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121057 — **Prep Batch: 120972**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		09/14/12 18:03	09/17/12 14:05	1

Lab Sample ID: LCS 720-120972/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121057 — **Prep Batch: 120972**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.820		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 720-120972/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121057 — **Prep Batch: 120972**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.803		mg/Kg		96	80 - 120	2	20

Lab Sample ID: 720-44469-1 MS — **Client Sample ID: IDW-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121057 — **Prep Batch: 120972**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.036		0.794	0.833		mg/Kg		100	75 - 125		

Lab Sample ID: 720-44469-1 MSD — **Client Sample ID: IDW-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 121057 — **Prep Batch: 120972**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.036		0.806	0.823		mg/Kg		97	75 - 125	1	20

QC Association Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

GC/MS VOA

Analysis Batch: 120901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120901/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCS 720-120901/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120901/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
LCSD 720-120901/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT MS	
MB 720-120901/4	Method Blank	Total/NA	Water	8260B/CA_LUFT MS	

GC Semi VOA

Analysis Batch: 120899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-120906/2-A	Lab Control Sample	Total/NA	Solid	8015B	120906
LCSD 720-120906/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	120906

Prep Batch: 120906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	3546	
LCS 720-120906/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-120906/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-120906/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 120941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	3510C	
LCS 720-120941/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 720-120941/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MB 720-120941/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 121011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	8015B	120906
720-44469-2	IDW-1	Total/NA	Water	8015B	120941
LCS 720-120941/2-A	Lab Control Sample	Total/NA	Water	8015B	120941
LCSD 720-120941/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	120941
MB 720-120906/1-A	Method Blank	Total/NA	Solid	8015B	120906
MB 720-120941/1-A	Method Blank	Total/NA	Water	8015B	120941

Metals

Prep Batch: 120858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	3010A	
720-44469-2 MS	IDW-1	Total/NA	Water	3010A	
720-44469-2 MSD	IDW-1	Total/NA	Water	3010A	
LCS 720-120858/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 720-120858/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 720-120858/1-A	Method Blank	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 120961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	3050B	
LCS 720-120961/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-120961/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-120961/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-120961/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 120972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	7471A	
720-44469-1 MS	IDW-2	Total/NA	Solid	7471A	
720-44469-1 MSD	IDW-2	Total/NA	Solid	7471A	
LCS 720-120972/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-120972/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-120972/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 121019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	6010B	120858
720-44469-2 MS	IDW-1	Total/NA	Water	6010B	120858
720-44469-2 MSD	IDW-1	Total/NA	Water	6010B	120858
LCS 720-120858/2-A	Lab Control Sample	Total/NA	Water	6010B	120858
LCSD 720-120858/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	120858
MB 720-120858/1-A	Method Blank	Total/NA	Water	6010B	120858

Analysis Batch: 121046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	6010B	120961
LCS 720-120961/2-A	Lab Control Sample	Total/NA	Solid	6010B	120961
LCSD 720-120961/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	120961
LCSSRM 720-120961/25-A	Lab Control Sample	Total/NA	Solid	6010B	120961
MB 720-120961/1-A	Method Blank	Total/NA	Solid	6010B	120961

Analysis Batch: 121057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-1	IDW-2	Total/NA	Solid	7471A	120972
720-44469-1 MS	IDW-2	Total/NA	Solid	7471A	120972
720-44469-1 MSD	IDW-2	Total/NA	Solid	7471A	120972
LCS 720-120972/2-A	Lab Control Sample	Total/NA	Solid	7471A	120972
LCSD 720-120972/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	120972
MB 720-120972/1-A	Method Blank	Total/NA	Solid	7471A	120972

Prep Batch: 121082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	7470A	
LCS 720-121082/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 720-121082/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 720-121082/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 121175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-44469-2	IDW-1	Total/NA	Water	7470A	121082
LCS 720-121082/2-A	Lab Control Sample	Total/NA	Water	7470A	121082

Metals (Continued)

Analysis Batch: 121175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 720-121082/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	121082
MB 720-121082/1-A	Method Blank	Total/NA	Water	7470A	121082

Lab Chronicle

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Client Sample ID: IDW-2

Lab Sample ID: 720-44469-1

Date Collected: 09/11/12 10:35

Matrix: Solid

Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			120906	09/14/12 07:08	AM	TAL SF
Total/NA	Analysis	8015B		1	121011	09/17/12 13:22	JZ	TAL SF
Total/NA	Prep	3050B			120961	09/14/12 16:14	ASB	TAL SF
Total/NA	Analysis	6010B		4	121046	09/17/12 12:45	EFH	TAL SF
Total/NA	Prep	7471A			120972	09/14/12 18:03	ASB	TAL SF
Total/NA	Analysis	7471A		1	121057	09/17/12 14:18	EFH	TAL SF

Client Sample ID: IDW-1

Lab Sample ID: 720-44469-2

Date Collected: 09/11/12 10:40

Matrix: Water

Date Received: 09/11/12 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	120901	09/14/12 18:12	AC	TAL SF
Total/NA	Prep	3510C			120941	09/14/12 14:09	RU	TAL SF
Total/NA	Analysis	8015B		1	121011	09/17/12 15:00	JZ	TAL SF
Total/NA	Prep	3010A			120858	09/13/12 14:20	ET	TAL SF
Total/NA	Analysis	6010B		1	121019	09/15/12 01:24	SK	TAL SF
Total/NA	Prep	7470A			121082	09/17/12 18:28	ASB	TAL SF
Total/NA	Analysis	7470A		1	121175	09/18/12 17:21	SK	TAL SF

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-14

Method Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7470A	Mercury (CVAA)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Environment & Infrastructure, Inc.
Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-44469-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-44469-1	IDW-2	Solid	09/11/12 10:35	09/11/12 11:30
720-44469-2	IDW-1	Water	09/11/12 10:40	09/11/12 11:30

Seq. No. 1480

720-44469

CHAIN OF CUSTODY FORM

amec

1465 North McDowell Blvd.
Suite 200
Petaluma, CA 94954
(707) 793-3800

Lab: Test America

Samplers: Scott Graham

140660

Job Number: 0D101600070.00002

Name/Location: Crown Chevrolet

Project Manager: Avery Patton

Recorder: (Signature Required)

ANALYSIS REQUESTED

MATRIX: Water	Soil	Air	# CONTAINERS: Unpres.	H2SO4	HNO3	HCL	SAMPLE NUMBER	DATE: YR	MO	DAY	TIME	STATION DESCRIPTION	DEPTH	8260	8270	TITLE 22 METALS	~~TPH~~ Extractable TPH-8015
	X		2				IDW-2	12	09	11	1035					X	X
X			2	2	3		IDW-1	12	09	11	1040					X	X

ADDITIONAL INFORMATION

REPORT TO: Avery Patton

PO#:

TAT:

Comments: Field Filtered Y/N

Please Filter metals @ Lab

permission to analyze out of temp

per client request do CAM17 & TPH D/MO & Hydraulic.

AS 9/12/12

CHAIN OF CUSTODY RECORD

Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
	Scott Graham	AMEC	9/11/12 1130
		TBST	9/11/12 1130
Received By (Signature):	(Print Name)	(Company)	(Date/Time)
Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
Received By (Signature):	(Print Name)	(Company)	(Date/Time)
Relinquished By (Signature)	(Print Name)	(Company)	(Date/Time)
Received By (Signature):	(Print Name)	(Company)	(Date/Time)

Method of Shipment: Temp 8.6°C < 4hrs.

White - Laboratory Copy Yellow - Project Office Copy Pink - Field or Office Copy F1008-E

Login Sample Receipt Checklist

Client: AMEC Environment & Infrastructure, Inc.

Job Number: 720-44469-1

Login Number: 44469

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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9/12/2012
Ms. Avery Patton
AMEC Geomatrix Consultants
2101 Webster Street, 12th Floor

Oakland CA 94612

Project Name: Crown
Project #: 0D10160070.0002
Workorder #: 1209025A

Dear Ms. Avery Patton

The following report includes the data for the above referenced project for sample(s) received on 9/5/2012 at Air Toxics Ltd.

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

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

Regards,

Kyle Vagadori
Project Manager

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WORK ORDER #: 1209025A

Work Order Summary

CLIENT:	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612	**BILL TO:**	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612
PHONE:	510-663-4100	**P.O. #**	pending
FAX:	510-663-4141	**PROJECT #**	0D10160070.0002 Crown
DATE RECEIVED:	09/05/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	09/12/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SG-16A	Modified TO-15	5.0 "Hg	15 psi
02A	SG-16B	Modified TO-15	3.5 "Hg	15 psi
03A	SG-15A	Modified TO-15	5.0 "Hg	15 psi
04A	SG-15B	Modified TO-15	6.0 "Hg	15 psi
05A	SG-14A	Modified TO-15	8.5 "Hg	15 psi
06A	SG-14B	Modified TO-15	8.0 "Hg	15 psi
07A	SG-19A	Modified TO-15	8.0 "Hg	15 psi
08A	SG-13B	Modified TO-15	6.0 "Hg	15 psi
09A	SG-13A	Modified TO-15	6.5 "Hg	15 psi
10A	Lab Blank	Modified TO-15	NA	NA
10B	Lab Blank	Modified TO-15	NA	NA
11A	CCV	Modified TO-15	NA	NA
11B	CCV	Modified TO-15	NA	NA
12A	LCS	Modified TO-15	NA	NA
12AA	LCSD	Modified TO-15	NA	NA
12B	LCS	Modified TO-15	NA	NA
12BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Hayes

Technical Director

DATE: 09/12/12

Certfication numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

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

LABORATORY NARRATIVE
EPA Method TO-15
AMEC Geomatrix Consultants
Workorder# 1209025A

Nine 1 Liter Summa Canister samples were received on September 05, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A dilution was performed on sample SG-16B due to the presence of high level target species.

The reported result for 4-Ethyltoluene in sample SG-16A, SG-15A and SG-15B may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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

Client Sample ID: SG-16A

Lab ID#: 1209025A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Carbon Disulfide	4.8	8.7	15	27
Tetrahydrofuran	1.2	1.7 J	3.6	5.1 J
Benzene	1.2	5.3	3.9	17
Toluene	1.2	21	4.6	80
Tetrachloroethene	1.2	14 J	8.2	92 J
Chlorobenzene	1.2	1.2	5.6	5.6
Ethyl Benzene	1.2	6.8	5.2	30
m,p-Xylene	1.2	27	5.2	120
o-Xylene	1.2	7.8	5.2	34
Propylbenzene	1.2	2.1	5.9	10
4-Ethyltoluene	1.2	8.2	5.9	40
1,3,5-Trimethylbenzene	1.2	4.2	5.9	20
1,2,4-Trimethylbenzene	1.2	10	5.9	51

Client Sample ID: SG-16B

Lab ID#: 1209025A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.5	3.3	5.7	12
Tetrachloroethene	1.5	390 J	10	2700 J
m,p-Xylene	1.5	3.2	6.6	14

Client Sample ID: SG-15A

Lab ID#: 1209025A-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	12	12 J	29	28 J
Toluene	1.2	4.5	4.6	17
Tetrachloroethene	1.2	11	8.2	74
Ethyl Benzene	1.2	2.3	5.2	10
m,p-Xylene	1.2	9.5	5.2	41
o-Xylene	1.2	2.2	5.2	9.4
4-Ethyltoluene	1.2	2.8	5.9	14

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

Client Sample ID: SG-15A

Lab ID#: 1209025A-03A

1,3,5-Trimethylbenzene	1.2	2.3	5.9	11
1,2,4-Trimethylbenzene	1.2	4.5	5.9	22

Client Sample ID: SG-15B

Lab ID#: 1209025A-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.3	25	6.8	140
Toluene	1.3	2.1	4.7	7.9
Tetrachloroethene	1.3	100 J	8.5	700 J
m,p-Xylene	1.3	5.0	5.5	22
o-Xylene	1.3	1.3	5.5	5.6
4-Ethyltoluene	1.3	1.6	6.2	7.8
1,3,5-Trimethylbenzene	1.3	1.6	6.2	8.1
1,2,4-Trimethylbenzene	1.3	2.8	6.2	14

Client Sample ID: SG-14A

Lab ID#: 1209025A-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Toluene	1.4	6.0	5.3	23
Tetrachloroethene	1.4	3.6 J	9.6	24 J
Chlorobenzene	1.4	1.5	6.5	6.9
Ethyl Benzene	1.4	2.6	6.1	11
m,p-Xylene	1.4	9.6	6.1	42
o-Xylene	1.4	2.6	6.1	12
4-Ethyltoluene	1.4	3.0	6.9	15
1,3,5-Trimethylbenzene	1.4	1.5	6.9	7.6
1,2,4-Trimethylbenzene	1.4	4.5	6.9	22

Client Sample ID: SG-14B

Lab ID#: 1209025A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)

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

Client Sample ID: SG-14B

Lab ID#: 1209025A-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.4	75	7.4	400
Toluene	1.4	4.6	5.2	17
Tetrachloroethene	1.4	6.0 J	9.4	41 J
Ethyl Benzene	1.4	1.6	6.0	7.1
m,p-Xylene	1.4	4.3	6.0	18
o-Xylene	1.4	1.6	6.0	7.1
1,2,4-Trimethylbenzene	1.4	1.4	6.8	7.0

Client Sample ID: SG-19A

Lab ID#: 1209025A-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	1.4	1.5	4.4	4.9
Trichloroethene	1.4	70	7.4	380
Toluene	1.4	4.5	5.2	17
Tetrachloroethene	1.4	10 J	9.4	68 J
m,p-Xylene	1.4	4.1	6.0	18
1,2,4-Trimethylbenzene	1.4	1.8	6.8	8.8

Client Sample ID: SG-13B

Lab ID#: 1209025A-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
trans-1,2-Dichloroethene	1.3	2.5	5.0	9.9
Benzene	1.3	1.3	4.0	4.2
Trichloroethene	1.3	30	6.8	160
Toluene	1.3	4.2	4.7	16
Chlorobenzene	1.3	1.3	5.8	6.1
m,p-Xylene	1.3	4.5	5.5	20
o-Xylene	1.3	1.8	5.5	7.7
4-Ethyltoluene	1.3	1.4	6.2	6.7
1,2,4-Trimethylbenzene	1.3	1.9	6.2	9.4

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

Client Sample ID: SG-13A

Lab ID#: 1209025A-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrahydrofuran	1.3	1.4 J	3.8	4.0 J
Benzene	1.3	3.4	4.1	11
Toluene	1.3	20	4.9	77
Ethyl Benzene	1.3	5.8	5.6	25
m,p-Xylene	1.3	27	5.6	120
o-Xylene	1.3	7.9	5.6	34
Cumene	1.3	2.2	6.3	11
Propylbenzene	1.3	1.4	6.3	6.7
4-Ethyltoluene	1.3	7.5	6.3	37
1,3,5-Trimethylbenzene	1.3	4.0	6.3	20
1,2,4-Trimethylbenzene	1.3	10	6.3	51

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Client Sample ID: SG-16A
Lab ID#: 1209025A-01A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090618	Date of Collection:	9/4/12 9:19:00 AM
Dil. Factor:	2.42	Date of Analysis:	9/6/12 09:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8 R	Not Detected	9.1 R	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	Not Detected	29	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	8.7	15	27
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	1.7 J	3.6	5.1 J
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	5.3	3.9	17
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	21	4.6	80
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	14 J	8.2	92 J
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: SG-16A
Lab ID#: 1209025A-01A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090618**	**Date of Collection:**	**9/4/12 9:19:00 AM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**9/6/12 09:48 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	1.2	5.6	5.6
Ethyl Benzene	1.2	6.8	5.2	30
m,p-Xylene	1.2	27	5.2	120
o-Xylene	1.2	7.8	5.2	34
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	2.1	5.9	10
4-Ethyltoluene	1.2	8.2	5.9	40
1,3,5-Trimethylbenzene	1.2	4.2	5.9	20
1,2,4-Trimethylbenzene	1.2	10	5.9	51
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	105	70-130

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Client Sample ID: SG-16B

Lab ID#: 1209025A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090619**	**Date of Collection:**	**9/4/12 9:57:00 AM**
Dil. Factor:	**3.05**	**Date of Analysis:**	**9/6/12 10:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.5	Not Detected	7.5	Not Detected
Freon 114	1.5	Not Detected	11	Not Detected
Chloromethane	15	Not Detected	31	Not Detected
Vinyl Chloride	1.5	Not Detected	3.9	Not Detected
1,3-Butadiene	1.5	Not Detected	3.4	Not Detected
Bromomethane	15	Not Detected	59	Not Detected
Chloroethane	6.1	Not Detected	16	Not Detected
Freon 11	1.5	Not Detected	8.6	Not Detected
Ethanol	6.1 R	Not Detected	11 R	Not Detected
Freon 113	1.5	Not Detected	12	Not Detected
1,1-Dichloroethene	1.5	Not Detected	6.0	Not Detected
Acetone	15	Not Detected	36	Not Detected
2-Propanol	6.1	Not Detected	15	Not Detected
Carbon Disulfide	6.1	Not Detected	19	Not Detected
3-Chloropropene	6.1	Not Detected	19	Not Detected
Methylene Chloride	15	Not Detected	53	Not Detected
Methyl tert-butyl ether	1.5	Not Detected	5.5	Not Detected
trans-1,2-Dichloroethene	1.5	Not Detected	6.0	Not Detected
Hexane	1.5	Not Detected	5.4	Not Detected
1,1-Dichloroethane	1.5	Not Detected	6.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	6.1	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	1.5	Not Detected	6.0	Not Detected
Tetrahydrofuran	1.5 R	Not Detected	4.5 R	Not Detected
Chloroform	1.5	Not Detected	7.4	Not Detected
1,1,1-Trichloroethane	1.5	Not Detected	8.3	Not Detected
Cyclohexane	1.5	Not Detected	5.2	Not Detected
Carbon Tetrachloride	1.5	Not Detected	9.6	Not Detected
2,2,4-Trimethylpentane	1.5	Not Detected	7.1	Not Detected
Benzene	1.5	Not Detected	4.9	Not Detected
1,2-Dichloroethane	1.5	Not Detected	6.2	Not Detected
Heptane	1.5	Not Detected	6.2	Not Detected
Trichloroethene	1.5	Not Detected	8.2	Not Detected
1,2-Dichloropropane	1.5	Not Detected	7.0	Not Detected
1,4-Dioxane	6.1	Not Detected	22	Not Detected
Bromodichloromethane	1.5	Not Detected	10	Not Detected
cis-1,3-Dichloropropene	1.5	Not Detected	6.9	Not Detected
4-Methyl-2-pentanone	1.5	Not Detected	6.2	Not Detected
Toluene	1.5	3.3	5.7	12
trans-1,3-Dichloropropene	1.5	Not Detected	6.9	Not Detected
1,1,2-Trichloroethane	1.5	Not Detected	8.3	Not Detected
Tetrachloroethene	1.5	390 J	10	2700 J
2-Hexanone	6.1	Not Detected	25	Not Detected

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Client Sample ID: SG-16B

Lab ID#: 1209025A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090619**	**Date of Collection:**	**9/4/12 9:57:00 AM**
Dil. Factor:	**3.05**	**Date of Analysis:**	**9/6/12 10:24 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.5	Not Detected	13	Not Detected
1,2-Dibromoethane (EDB)	1.5	Not Detected	12	Not Detected
Chlorobenzene	1.5	Not Detected	7.0	Not Detected
Ethyl Benzene	1.5	Not Detected	6.6	Not Detected
m,p-Xylene	1.5	3.2	6.6	14
o-Xylene	1.5	Not Detected	6.6	Not Detected
Styrene	1.5	Not Detected	6.5	Not Detected
Bromoform	1.5	Not Detected	16	Not Detected
Cumene	1.5	Not Detected	7.5	Not Detected
1,1,2,2-Tetrachloroethane	1.5	Not Detected	10	Not Detected
Propylbenzene	1.5	Not Detected	7.5	Not Detected
4-Ethyltoluene	1.5	Not Detected	7.5	Not Detected
1,3,5-Trimethylbenzene	1.5	Not Detected	7.5	Not Detected
1,2,4-Trimethylbenzene	1.5	Not Detected	7.5	Not Detected
1,3-Dichlorobenzene	1.5	Not Detected	9.2	Not Detected
1,4-Dichlorobenzene	1.5	Not Detected	9.2	Not Detected
alpha-Chlorotoluene	1.5	Not Detected	7.9	Not Detected
1,2-Dichlorobenzene	1.5	Not Detected	9.2	Not Detected
1,2,4-Trichlorobenzene	6.1	Not Detected	45	Not Detected
Hexachlorobutadiene	6.1	Not Detected	65	Not Detected
Naphthalene	6.1	Not Detected	32	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: SG-15A

Lab ID#: 1209025A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090620**	**Date of Collection:**	**9/4/12 10:42:00 AM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**9/7/12 06:51 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	12	Not Detected	25	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	12	Not Detected	47	Not Detected
Chloroethane	4.8	Not Detected	13	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8 R	Not Detected	9.1 R	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	12	12 J	29	28 J
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	4.8	Not Detected	15	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	12	Not Detected	42	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	4.8	Not Detected	14	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2 R	Not Detected	3.6 R	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	4.5	4.6	17
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	11 J	8.2	74 J
2-Hexanone	4.8	Not Detected	20	Not Detected

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Client Sample ID: SG-15A
Lab ID#: 1209025A-03A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090620**	**Date of Collection:**	**9/4/12 10:42:00 AM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**9/7/12 06:51 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	2.3	5.2	10
m,p-Xylene	1.2	9.5	5.2	41
o-Xylene	1.2	2.2	5.2	9.4
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	2.8	5.9	14
1,3,5-Trimethylbenzene	1.2	2.3	5.9	11
1,2,4-Trimethylbenzene	1.2	4.5	5.9	22
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected
Naphthalene	4.8	Not Detected	25	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: SG-15B
Lab ID#: 1209025A-04A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090621	Date of Collection:	9/4/12 11:21:00 AM
Dil. Factor:	2.52	Date of Analysis:	9/7/12 07:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	13	Not Detected	26	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	13	Not Detected	49	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.0 R	Not Detected	9.5 R	Not Detected
Freon 113	1.3	Not Detected	9.6	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	13	Not Detected	30	Not Detected
2-Propanol	5.0	Not Detected	12	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	5.0	Not Detected	16	Not Detected
Methylene Chloride	13	Not Detected	44	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.5	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3 R	Not Detected	3.7 R	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.3	Not Detected
Carbon Tetrachloride	1.3	Not Detected	7.9	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	25	6.8	140
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.0	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.4	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	2.1	4.7	7.9
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	100 J	8.5	700 J
2-Hexanone	5.0	Not Detected	21	Not Detected

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Client Sample ID: SG-15B

Lab ID#: 1209025A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090621**	**Date of Collection:**	**9/4/12 11:21:00 AM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**9/7/12 07:22 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	5.0	5.5	22
o-Xylene	1.3	1.3	5.5	5.6
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.6	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	1.6	6.2	7.8
1,3,5-Trimethylbenzene	1.3	1.6	6.2	8.1
1,2,4-Trimethylbenzene	1.3	2.8	6.2	14
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.0	Not Detected	37	Not Detected
Hexachlorobutadiene	5.0	Not Detected	54	Not Detected
Naphthalene	5.0	Not Detected	26	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: SG-14A
Lab ID#: 1209025A-05A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090622	Date of Collection:	9/4/12 12:26:00 PM
Dil. Factor:	2.82	Date of Analysis:	9/7/12 07:53 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.4	Not Detected	7.0	Not Detected
Freon 114	1.4	Not Detected	9.8	Not Detected
Chloromethane	14	Not Detected	29	Not Detected
Vinyl Chloride	1.4	Not Detected	3.6	Not Detected
1,3-Butadiene	1.4	Not Detected	3.1	Not Detected
Bromomethane	14	Not Detected	55	Not Detected
Chloroethane	5.6	Not Detected	15	Not Detected
Freon 11	1.4	Not Detected	7.9	Not Detected
Ethanol	5.6 R	Not Detected	11 R	Not Detected
Freon 113	1.4	Not Detected	11	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.6	Not Detected
Acetone	14	Not Detected	33	Not Detected
2-Propanol	5.6	Not Detected	14	Not Detected
Carbon Disulfide	5.6	Not Detected	18	Not Detected
3-Chloropropene	5.6	Not Detected	18	Not Detected
Methylene Chloride	14	Not Detected	49	Not Detected
Methyl tert-butyl ether	1.4	Not Detected	5.1	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.6	Not Detected
Hexane	1.4	Not Detected	5.0	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.6	Not Detected	17	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.6	Not Detected
Tetrahydrofuran	1.4 R	Not Detected	4.2 R	Not Detected
Chloroform	1.4	Not Detected	6.9	Not Detected
1,1,1-Trichloroethane	1.4	Not Detected	7.7	Not Detected
Cyclohexane	1.4	Not Detected	4.8	Not Detected
Carbon Tetrachloride	1.4	Not Detected	8.9	Not Detected
2,2,4-Trimethylpentane	1.4	Not Detected	6.6	Not Detected
Benzene	1.4	Not Detected	4.5	Not Detected
1,2-Dichloroethane	1.4	Not Detected	5.7	Not Detected
Heptane	1.4	Not Detected	5.8	Not Detected
Trichloroethene	1.4	Not Detected	7.6	Not Detected
1,2-Dichloropropane	1.4	Not Detected	6.5	Not Detected
1,4-Dioxane	5.6	Not Detected	20	Not Detected
Bromodichloromethane	1.4	Not Detected	9.4	Not Detected
cis-1,3-Dichloropropene	1.4	Not Detected	6.4	Not Detected
4-Methyl-2-pentanone	1.4	Not Detected	5.8	Not Detected
Toluene	1.4	6.0	5.3	23
trans-1,3-Dichloropropene	1.4	Not Detected	6.4	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.7	Not Detected
Tetrachloroethene	1.4	3.6 J	9.6	24 J
2-Hexanone	5.6	Not Detected	23	Not Detected

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Client Sample ID: SG-14A

Lab ID#: 1209025A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090622**	**Date of Collection:**	**9/4/12 12:26:00 PM**
Dil. Factor:	**2.82**	**Date of Analysis:**	**9/7/12 07:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.4	Not Detected	12	Not Detected
1,2-Dibromoethane (EDB)	1.4	Not Detected	11	Not Detected
Chlorobenzene	1.4	1.5	6.5	6.9
Ethyl Benzene	1.4	2.6	6.1	11
m,p-Xylene	1.4	9.6	6.1	42
o-Xylene	1.4	2.6	6.1	12
Styrene	1.4	Not Detected	6.0	Not Detected
Bromoform	1.4	Not Detected	14	Not Detected
Cumene	1.4	Not Detected	6.9	Not Detected
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.7	Not Detected
Propylbenzene	1.4	Not Detected	6.9	Not Detected
4-Ethyltoluene	1.4	3.0	6.9	15
1,3,5-Trimethylbenzene	1.4	1.5	6.9	7.6
1,2,4-Trimethylbenzene	1.4	4.5	6.9	22
1,3-Dichlorobenzene	1.4	Not Detected	8.5	Not Detected
1,4-Dichlorobenzene	1.4	Not Detected	8.5	Not Detected
alpha-Chlorotoluene	1.4	Not Detected	7.3	Not Detected
1,2-Dichlorobenzene	1.4	Not Detected	8.5	Not Detected
1,2,4-Trichlorobenzene	5.6	Not Detected	42	Not Detected
Hexachlorobutadiene	5.6	Not Detected	60	Not Detected
Naphthalene	5.6	Not Detected	30	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: SG-14B
Lab ID#: 1209025A-06A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090726	Date of Collection:	9/4/12 1:25:00 PM
Dil. Factor:	2.76	Date of Analysis:	9/7/12 11:08 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.4	Not Detected	6.8	Not Detected
Freon 114	1.4	Not Detected	9.6	Not Detected
Chloromethane	14	Not Detected	28	Not Detected
Vinyl Chloride	1.4	Not Detected	3.5	Not Detected
1,3-Butadiene	1.4 UJ	Not Detected UJ	3.0 UJ	Not Detected UJ
Bromomethane	14	Not Detected	54	Not Detected
Chloroethane	5.5	Not Detected	14	Not Detected
Freon 11	1.4	Not Detected	7.8	Not Detected
Ethanol	5.5 R	Not Detected	10 R	Not Detected
Freon 113	1.4	Not Detected	10	Not Detected
1,1-Dichloroethene	1.4 UJ	Not Detected	5.5 UJ	Not Detected
Acetone	14 R	Not Detected	33 R	Not Detected
2-Propanol	5.5	Not Detected	14	Not Detected
Carbon Disulfide	5.5	Not Detected	17	Not Detected
3-Chloropropene	5.5	Not Detected	17	Not Detected
Methylene Chloride	14 R	Not Detected	48 R	Not Detected
Methyl tert-butyl ether	1.4	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Hexane	1.4	Not Detected	4.9	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.5	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Tetrahydrofuran	1.4 R	Not Detected	4.1 R	Not Detected
Chloroform	1.4	Not Detected	6.7	Not Detected
1,1,1-Trichloroethane	1.4	Not Detected	7.5	Not Detected
Cyclohexane	1.4	Not Detected	4.8	Not Detected
Carbon Tetrachloride	1.4	Not Detected	8.7	Not Detected
2,2,4-Trimethylpentane	1.4	Not Detected	6.4	Not Detected
Benzene	1.4	Not Detected	4.4	Not Detected
1,2-Dichloroethane	1.4	Not Detected	5.6	Not Detected
Heptane	1.4	Not Detected	5.6	Not Detected
Trichloroethene	1.4	75	7.4	400
1,2-Dichloropropane	1.4	Not Detected	6.4	Not Detected
1,4-Dioxane	5.5	Not Detected	20	Not Detected
Bromodichloromethane	1.4	Not Detected	9.2	Not Detected
cis-1,3-Dichloropropene	1.4	Not Detected	6.3	Not Detected
4-Methyl-2-pentanone	1.4	Not Detected	5.6	Not Detected
Toluene	1.4	4.6	5.2	17
trans-1,3-Dichloropropene	1.4	Not Detected	6.3	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.5	Not Detected
Tetrachloroethene	1.4	6.0 J	9.4	41 J
2-Hexanone	5.5	Not Detected	23	Not Detected

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Client Sample ID: SG-14B

Lab ID#: 1209025A-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090726**	**Date of Collection:**	**9/4/12 1:25:00 PM**
Dil. Factor:	**2.76**	**Date of Analysis:**	**9/7/12 11:08 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.4	Not Detected	12	Not Detected
1,2-Dibromoethane (EDB)	1.4	Not Detected	11	Not Detected
Chlorobenzene	1.4	Not Detected	6.4	Not Detected
Ethyl Benzene	1.4	1.6	6.0	7.1
m,p-Xylene	1.4	4.3	6.0	18
o-Xylene	1.4	1.6	6.0	7.1
Styrene	1.4	Not Detected	5.9	Not Detected
Bromoform	1.4	Not Detected	14	Not Detected
Cumene	1.4	Not Detected	6.8	Not Detected
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.5	Not Detected
Propylbenzene	1.4	Not Detected	6.8	Not Detected
4-Ethyltoluene	1.4	Not Detected	6.8	Not Detected
1,3,5-Trimethylbenzene	1.4	Not Detected	6.8	Not Detected
1,2,4-Trimethylbenzene	1.4	1.4	6.8	7.0
1,3-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
1,4-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
alpha-Chlorotoluene	1.4	Not Detected	7.1	Not Detected
1,2-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
1,2,4-Trichlorobenzene	5.5	Not Detected	41	Not Detected
Hexachlorobutadiene	5.5	Not Detected	59	Not Detected
Naphthalene	5.5	Not Detected	29	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: SG-19A
Lab ID#: 1209025A-07A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090623	Date of Collection:	9/4/12 1:38:00 PM
Dil. Factor:	2.76	Date of Analysis:	9/7/12 08:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.4	Not Detected	6.8	Not Detected
Freon 114	1.4	Not Detected	9.6	Not Detected
Chloromethane	14	Not Detected	28	Not Detected
Vinyl Chloride	1.4	Not Detected	3.5	Not Detected
1,3-Butadiene	1.4	Not Detected	3.0	Not Detected
Bromomethane	14	Not Detected	54	Not Detected
Chloroethane	5.5	Not Detected	14	Not Detected
Freon 11	1.4	Not Detected	7.8	Not Detected
Ethanol	5.5 R	Not Detected	10 R	Not Detected
Freon 113	1.4	Not Detected	10	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Acetone	14	Not Detected	33	Not Detected
2-Propanol	5.5	Not Detected	14	Not Detected
Carbon Disulfide	5.5	Not Detected	17	Not Detected
3-Chloropropene	5.5	Not Detected	17	Not Detected
Methylene Chloride	14	Not Detected	48	Not Detected
Methyl tert-butyl ether	1.4	Not Detected	5.0	Not Detected
trans-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Hexane	1.4	Not Detected	4.9	Not Detected
1,1-Dichloroethane	1.4	Not Detected	5.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.5	Not Detected	16	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.5	Not Detected
Tetrahydrofuran	1.4 R	Not Detected	4.1 R	Not Detected
Chloroform	1.4	Not Detected	6.7	Not Detected
1,1,1-Trichloroethane	1.4	Not Detected	7.5	Not Detected
Cyclohexane	1.4	Not Detected	4.8	Not Detected
Carbon Tetrachloride	1.4	Not Detected	8.7	Not Detected
2,2,4-Trimethylpentane	1.4	Not Detected	6.4	Not Detected
Benzene	1.4	1.5	4.4	4.9
1,2-Dichloroethane	1.4	Not Detected	5.6	Not Detected
Heptane	1.4	Not Detected	5.6	Not Detected
Trichloroethene	1.4	70	7.4	380
1,2-Dichloropropane	1.4	Not Detected	6.4	Not Detected
1,4-Dioxane	5.5	Not Detected	20	Not Detected
Bromodichloromethane	1.4	Not Detected	9.2	Not Detected
cis-1,3-Dichloropropene	1.4	Not Detected	6.3	Not Detected
4-Methyl-2-pentanone	1.4	Not Detected	5.6	Not Detected
Toluene	1.4	4.5	5.2	17
trans-1,3-Dichloropropene	1.4	Not Detected	6.3	Not Detected
1,1,2-Trichloroethane	1.4	Not Detected	7.5	Not Detected
Tetrachloroethene	1.4	10 J	9.4	68 J
2-Hexanone	5.5	Not Detected	23	Not Detected

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Client Sample ID: SG-19A
Lab ID#: 1209025A-07A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090623	Date of Collection:	9/4/12 1:38:00 PM
Dil. Factor:	2.76	Date of Analysis:	9/7/12 08:37 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.4	Not Detected	12	Not Detected
1,2-Dibromoethane (EDB)	1.4	Not Detected	11	Not Detected
Chlorobenzene	1.4	Not Detected	6.4	Not Detected
Ethyl Benzene	1.4	Not Detected	6.0	Not Detected
m,p-Xylene	1.4	4.1	6.0	18
o-Xylene	1.4	Not Detected	6.0	Not Detected
Styrene	1.4	Not Detected	5.9	Not Detected
Bromoform	1.4	Not Detected	14	Not Detected
Cumene	1.4	Not Detected	6.8	Not Detected
1,1,2,2-Tetrachloroethane	1.4	Not Detected	9.5	Not Detected
Propylbenzene	1.4	Not Detected	6.8	Not Detected
4-Ethyltoluene	1.4	Not Detected	6.8	Not Detected
1,3,5-Trimethylbenzene	1.4	Not Detected	6.8	Not Detected
1,2,4-Trimethylbenzene	1.4	1.8	6.8	8.8
1,3-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
1,4-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
alpha-Chlorotoluene	1.4	Not Detected	7.1	Not Detected
1,2-Dichlorobenzene	1.4	Not Detected	8.3	Not Detected
1,2,4-Trichlorobenzene	5.5	Not Detected	41	Not Detected
Hexachlorobutadiene	5.5	Not Detected	59	Not Detected
Naphthalene	5.5	Not Detected	29	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: SG-13B

Lab ID#: 1209025A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090727**	**Date of Collection:**	**9/4/12 2:46:00 PM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**9/7/12 11:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	13	Not Detected	26	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3 UJ	Not Detected UJ	2.8 UJ	Not Detected UJ
Bromomethane	13	Not Detected	49	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.0 R	Not Detected	9.5 R	Not Detected
Freon 113	1.3	Not Detected	9.6	Not Detected
1,1-Dichloroethene	1.3 UJ	Not Detected	5.0 UJ	Not Detected
Acetone	13 R	Not Detected	30 R	Not Detected
2-Propanol	5.0	Not Detected	12	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	5.0	Not Detected	16	Not Detected
Methylene Chloride	13 R	Not Detected	44 R	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.5	Not Detected
trans-1,2-Dichloroethene	1.3	2.5	5.0	9.9
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3 R	Not Detected	3.7 R	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.3	Not Detected
Carbon Tetrachloride	1.3	Not Detected	7.9	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	1.3	4.0	4.2
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	30	6.8	160
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.0	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.4	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	4.2	4.7	16
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.5	Not Detected
2-Hexanone	5.0	Not Detected	21	Not Detected

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Client Sample ID: SG-13B

Lab ID#: 1209025A-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090727**	**Date of Collection:**	**9/4/12 2:46:00 PM**
Dil. Factor:	**2.52**	**Date of Analysis:**	**9/7/12 11:31 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	1.3	5.8	6.1
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	4.5	5.5	20
o-Xylene	1.3	1.8	5.5	7.7
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.6	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	1.4	6.2	6.7
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	1.9	6.2	9.4
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.0	Not Detected	37	Not Detected
Hexachlorobutadiene	5.0	Not Detected	54	Not Detected
Naphthalene	5.0	Not Detected	26	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: SG-13A

Lab ID#: 1209025A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090728**	**Date of Collection:**	**9/4/12 3:25:00 PM**
Dil. Factor:	**2.58**	**Date of Analysis:**	**9/8/12 07:28 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	1.3	Not Detected	6.4	Not Detected
Freon 114	1.3	Not Detected	9.0	Not Detected
Chloromethane	13	Not Detected	27	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3 UJ	Not Detected UJ	2.8 UJ	Not Detected UJ
Bromomethane	13	Not Detected	50	Not Detected
Chloroethane	5.2	Not Detected	14	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	5.2 R	Not Detected	9.7 R	Not Detected
Freon 113	1.3	Not Detected	9.9	Not Detected
1,1-Dichloroethene	1.3 UJ	Not Detected	5.1 UJ	Not Detected
Acetone	13 R	Not Detected	31 R	Not Detected
2-Propanol	5.2	Not Detected	13	Not Detected
Carbon Disulfide	5.2	Not Detected	16	Not Detected
3-Chloropropene	5.2	Not Detected	16	Not Detected
Methylene Chloride	13 R	Not Detected	45 R	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.2	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	1.4 J	3.8	4.0 J
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Benzene	1.3	3.4	4.1	11
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.3	Not Detected
Trichloroethene	1.3	Not Detected	6.9	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.0	Not Detected
1,4-Dioxane	5.2	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.6	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	1.3	20	4.9	77
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
2-Hexanone	5.2	Not Detected	21	Not Detected

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Client Sample ID: SG-13A

Lab ID#: 1209025A-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090728**	**Date of Collection:**	**9/4/12 3:25:00 PM**
Dil. Factor:	**2.58**	**Date of Analysis:**	**9/8/12 07:28 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.9	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	5.8	5.6	25
m,p-Xylene	1.3	27	5.6	120
o-Xylene	1.3	7.9	5.6	34
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	2.2	6.3	11
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	1.4	6.3	6.7
4-Ethyltoluene	1.3	7.5	6.3	37
1,3,5-Trimethylbenzene	1.3	4.0	6.3	20
1,2,4-Trimethylbenzene	1.3	10	6.3	51
1,3-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.7	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected	38	Not Detected
Hexachlorobutadiene	5.2	Not Detected	55	Not Detected
Naphthalene	5.2	Not Detected	27	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: Lab Blank
Lab ID#: 1209025A-10A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090606	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/6/12 12:43 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1209025A-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/6/12 12:43 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1209025A-10B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090711**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/12 02:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected UJ	1.1	Not Detected UJ
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1209025A-10B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090711**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/12 02:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: CCV
Lab ID#: 1209025A-11A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/6/12 09:40 AM

Compound	%Recovery
Freon 12	121
Freon 114	125
Chloromethane	85
Vinyl Chloride	90
1,3-Butadiene	73
Bromomethane	116
Chloroethane	96
Freon 11	121
Ethanol	78
Freon 113	127
1,1-Dichloroethene	129
Acetone	77
2-Propanol	83
Carbon Disulfide	103
3-Chloropropene	110
Methylene Chloride	76
Methyl tert-butyl ether	122
trans-1,2-Dichloroethene	109
Hexane	94
1,1-Dichloroethane	93
2-Butanone (Methyl Ethyl Ketone)	104
cis-1,2-Dichloroethene	95
Tetrahydrofuran	78
Chloroform	108
1,1,1-Trichloroethane	119
Cyclohexane	105
Carbon Tetrachloride	117
2,2,4-Trimethylpentane	80
Benzene	104
1,2-Dichloroethane	109
Heptane	121
Trichloroethene	112
1,2-Dichloropropane	79
1,4-Dioxane	99
Bromodichloromethane	112
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	87
Toluene	94
trans-1,3-Dichloropropene	114
1,1,2-Trichloroethane	103
Tetrachloroethene	106
2-Hexanone	91

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Client Sample ID: CCV
Lab ID#: 1209025A-11A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090602	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/6/12 09:40 AM

Compound	%Recovery
Dibromochloromethane	115
1,2-Dibromoethane (EDB)	105
Chlorobenzene	91
Ethyl Benzene	108
m,p-Xylene	107
o-Xylene	106
Styrene	111
Bromoform	115
Cumene	112
1,1,2,2-Tetrachloroethane	94
Propylbenzene	112
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	95
alpha-Chlorotoluene	110
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	116
Naphthalene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: CCV
Lab ID#: 1209025A-11B
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090702	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/7/12 09:51 AM	

Compound	%Recovery
Freon 12	118
Freon 114	121
Chloromethane	81
Vinyl Chloride	87
1,3-Butadiene	68 Q
Bromomethane	107
Chloroethane	92
Freon 11	116
Ethanol	73
Freon 113	125
1,1-Dichloroethene	132 Q
Acetone	72
2-Propanol	79
Carbon Disulfide	99
3-Chloropropene	107
Methylene Chloride	74
Methyl tert-butyl ether	117
trans-1,2-Dichloroethene	108
Hexane	90
1,1-Dichloroethane	92
2-Butanone (Methyl Ethyl Ketone)	101
cis-1,2-Dichloroethene	94
Tetrahydrofuran	75
Chloroform	104
1,1,1-Trichloroethane	116
Cyclohexane	105
Carbon Tetrachloride	118
2,2,4-Trimethylpentane	80
Benzene	102
1,2-Dichloroethane	106
Heptane	113
Trichloroethene	109
1,2-Dichloropropane	80
1,4-Dioxane	101
Bromodichloromethane	111
cis-1,3-Dichloropropene	100
4-Methyl-2-pentanone	81
Toluene	94
trans-1,3-Dichloropropene	115
1,1,2-Trichloroethane	100
Tetrachloroethene	105
2-Hexanone	91

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Client Sample ID: CCV

Lab ID#: 1209025A-11B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090702	**Date of Collection: NA**	
Dil. Factor:	1.00	**Date of Analysis: 9/7/12 09:51 AM**	

Compound	**%Recovery**
Dibromochloromethane	115
1,2-Dibromoethane (EDB)	104
Chlorobenzene	88
Ethyl Benzene	105
m,p-Xylene	103
o-Xylene	107
Styrene	110
Bromoform	114
Cumene	114
1,1,2,2-Tetrachloroethane	92
Propylbenzene	112
4-Ethyltoluene	103
1,3,5-Trimethylbenzene	103
1,2,4-Trimethylbenzene	107
1,3-Dichlorobenzene	96
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	109
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	98
Hexachlorobutadiene	118
Naphthalene	106

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: LCS
Lab ID#: 1209025A-12A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090603	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/6/12 10:21 AM	

Compound	%Recovery
Freon 12	124
Freon 114	131 Q
Chloromethane	87
Vinyl Chloride	95
1,3-Butadiene	75
Bromomethane	114
Chloroethane	91
Freon 11	120
Ethanol	71
Freon 113	126
1,1-Dichloroethene	136 Q
Acetone	71
2-Propanol	82
Carbon Disulfide	124
3-Chloropropene	121
Methylene Chloride	72
Methyl tert-butyl ether	118
trans-1,2-Dichloroethene	120
Hexane	88
1,1-Dichloroethane	90
2-Butanone (Methyl Ethyl Ketone)	100
cis-1,2-Dichloroethene	90
Tetrahydrofuran	69 Q
Chloroform	107
1,1,1-Trichloroethane	117
Cyclohexane	105
Carbon Tetrachloride	117
2,2,4-Trimethylpentane	77
Benzene	100
1,2-Dichloroethane	101
Heptane	108
Trichloroethene	106
1,2-Dichloropropane	79
1,4-Dioxane	91
Bromodichloromethane	107
cis-1,3-Dichloropropene	97
4-Methyl-2-pentanone	78
Toluene	91
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	99
Tetrachloroethene	103
2-Hexanone	84

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Client Sample ID: LCS

Lab ID#: 1209025A-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/6/12 10:21 AM**	

Compound	**%Recovery**
Dibromochloromethane	110
1,2-Dibromoethane (EDB)	101
Chlorobenzene	87
Ethyl Benzene	103
m,p-Xylene	102
o-Xylene	101
Styrene	108
Bromoform	108
Cumene	108
1,1,2,2-Tetrachloroethane	90
Propylbenzene	108
4-Ethyltoluene	94
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	91
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	94
Hexachlorobutadiene	110
Naphthalene	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: LCSD

Lab ID#: 1209025A-12AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090604	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/6/12 10:57 AM	

Compound	%Recovery
Freon 12	119
Freon 114	125
Chloromethane	81
Vinyl Chloride	92
1,3-Butadiene	73
Bromomethane	110
Chloroethane	96
Freon 11	119
Ethanol	66 Q
Freon 113	125
1,1-Dichloroethene	140 Q
Acetone	71
2-Propanol	79
Carbon Disulfide	125
3-Chloropropene	124
Methylene Chloride	72
Methyl tert-butyl ether	119
trans-1,2-Dichloroethene	125
Hexane	84
1,1-Dichloroethane	88
2-Butanone (Methyl Ethyl Ketone)	96
cis-1,2-Dichloroethene	91
Tetrahydrofuran	69 Q
Chloroform	107
1,1,1-Trichloroethane	117
Cyclohexane	102
Carbon Tetrachloride	115
2,2,4-Trimethylpentane	77
Benzene	104
1,2-Dichloroethane	105
Heptane	115
Trichloroethene	110
1,2-Dichloropropane	79
1,4-Dioxane	94
Bromodichloromethane	111
cis-1,3-Dichloropropene	103
4-Methyl-2-pentanone	80
Toluene	92
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	100
Tetrachloroethene	107
2-Hexanone	85

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Client Sample ID: LCSD

Lab ID#: 1209025A-12AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090604**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 9/6/12 10:57 AM**

Compound	**%Recovery**
Dibromochloromethane	113
1,2-Dibromoethane (EDB)	104
Chlorobenzene	89
Ethyl Benzene	104
m,p-Xylene	105
o-Xylene	105
Styrene	109
Bromoform	109
Cumene	111
1,1,2,2-Tetrachloroethane	92
Propylbenzene	109
4-Ethyltoluene	98
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	98
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	92
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	95
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	114
Naphthalene	98

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: LCS
Lab ID#: 1209025A-12B
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090703	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/7/12 10:25 AM

Compound	%Recovery
Freon 12	117
Freon 114	121
Chloromethane	82
Vinyl Chloride	85
1,3-Butadiene	70
Bromomethane	102
Chloroethane	89
Freon 11	114
Ethanol	62 Q
Freon 113	118
1,1-Dichloroethene	135 Q
Acetone	67 Q
2-Propanol	78
Carbon Disulfide	118
3-Chloropropene	120
Methylene Chloride	68 Q
Methyl tert-butyl ether	112
trans-1,2-Dichloroethene	117
Hexane	82
1,1-Dichloroethane	87
2-Butanone (Methyl Ethyl Ketone)	92
cis-1,2-Dichloroethene	90
Tetrahydrofuran	68 Q
Chloroform	102
1,1,1-Trichloroethane	112
Cyclohexane	100
Carbon Tetrachloride	109
2,2,4-Trimethylpentane	74
Benzene	96
1,2-Dichloroethane	101
Heptane	111
Trichloroethene	107
1,2-Dichloropropane	76
1,4-Dioxane	94
Bromodichloromethane	108
cis-1,3-Dichloropropene	98
4-Methyl-2-pentanone	75
Toluene	91
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	98
Tetrachloroethene	102
2-Hexanone	85

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Client Sample ID: LCS

Lab ID#: 1209025A-12B

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/12 10:25 AM**	

Compound	**%Recovery**
Dibromochloromethane	113
1,2-Dibromoethane (EDB)	105
Chlorobenzene	88
Ethyl Benzene	104
m,p-Xylene	101
o-Xylene	102
Styrene	113
Bromoform	109
Cumene	112
1,1,2,2-Tetrachloroethane	91
Propylbenzene	108
4-Ethyltoluene	98
1,3,5-Trimethylbenzene	100
1,2,4-Trimethylbenzene	101
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	92
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	96
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	112
Naphthalene	96

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: LCSD
Lab ID#: 1209025A-12BB
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	j090704	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/7/12 10:54 AM	

Compound	%Recovery
Freon 12	120
Freon 114	125
Chloromethane	85
Vinyl Chloride	89
1,3-Butadiene	70
Bromomethane	107
Chloroethane	87
Freon 11	118
Ethanol	66 Q
Freon 113	126
1,1-Dichloroethene	147 Q
Acetone	72
2-Propanol	82
Carbon Disulfide	122
3-Chloropropene	120
Methylene Chloride	71
Methyl tert-butyl ether	120
trans-1,2-Dichloroethene	120
Hexane	86
1,1-Dichloroethane	88
2-Butanone (Methyl Ethyl Ketone)	101
cis-1,2-Dichloroethene	90
Tetrahydrofuran	67 Q
Chloroform	105
1,1,1-Trichloroethane	118
Cyclohexane	103
Carbon Tetrachloride	116
2,2,4-Trimethylpentane	78
Benzene	97
1,2-Dichloroethane	102
Heptane	108
Trichloroethene	104
1,2-Dichloropropane	74
1,4-Dioxane	91
Bromodichloromethane	106
cis-1,3-Dichloropropene	99
4-Methyl-2-pentanone	77
Toluene	89
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	99
Tetrachloroethene	102
2-Hexanone	83

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Client Sample ID: LCSD

Lab ID#: 1209025A-12BB

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**j090704**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/7/12 10:54 AM**	

Compound	**%Recovery**
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	102
Chlorobenzene	86
Ethyl Benzene	101
m,p-Xylene	104
o-Xylene	103
Styrene	109
Bromoform	107
Cumene	111
1,1,2,2-Tetrachloroethane	90
Propylbenzene	108
4-Ethyltoluene	97
1,3,5-Trimethylbenzene	97
1,2,4-Trimethylbenzene	102
1,3-Dichlorobenzene	93
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	92
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	112
Naphthalene	98

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	91	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130

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CHAIN-OF-CUSTODY RECORD

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

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page ____ of ____

Project Manager: Avery Patton
Collected by: (Print and Sign) Pete Scordamaglia
Company: AMEC
Email: Avery.Patton@amec.com
Address: 2101 Webster St. 10th floor
City: Oakland State: CA Zip: 94612
Phone: 510-663-4100 Fax: 510-663-4141

Project Info:
P.O. #: pending
Project #: 0010160070.0002
Project Name: Cuna

Turn Around Time:
☒ Normal
☒ Rush 1 week specify

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

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial (in Hg)	Final (in Hg)	Receipt	Final (psi)
	S6-16A	3726	9/4/2012	919	TO-15	-29	-5.5		
	S6-16B	36442		957	TO-15	-28	-5.5		
OSA	S6-15A	11895		1042	TO-15 + Helium*	-29	-5.0		
	S6-15B	2110		1121	TO-15	-28.5	-5.0		
	S6-14A	3674		1226	TO-15	-29.0	-4.5		
	S6-14B	3405		1325	TO-15	-30.0	-5.5		
	S6-19A	1434		1338	TO-15	-30.0	-5.5		
	S6-13B	3655		1446	TO-15	-30	-5.0		
	S6-13A	2131		1525	TO-15	-30	-5.0		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	9/4/12 1545	[signature]	9/4/12 1545 AMEC
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:
Helium = helium with ASTM D1946

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	T.(?)		A	Good	Yes No None	1209025

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9/11/2012
Ms. Avery Patton
AMEC Geomatrix Consultants
2101 Webster Street, 12th Floor

Oakland CA 94612

Project Name: Crown
Project #: 0D10160070.0002
Workorder #: 1209025B

Dear Ms. Avery Patton

The following report includes the data for the above referenced project for sample(s) received on 9/5/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Kyle Vagadori

Project Manager

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Air Toxics

WORK ORDER #: 1209025B

Work Order Summary

CLIENT:	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612	**BILL TO:**	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612
PHONE:	510-663-4100	**P.O. #**	pending
FAX:	510-663-4141	**PROJECT #**	0D10160070.0002 Crown
DATE RECEIVED:	09/05/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	09/11/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
03A	SG-15A	Modified ASTM D-1946	5.0 "Hg	15 psi
04A	Lab Blank	Modified ASTM D-1946	NA	NA
05A	LCS	Modified ASTM D-1946	NA	NA
05AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY: Heidi Mayo

Technical Director

DATE: 09/11/12

Certfication numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified ASTM D-1946
AMEC Geomatrix Consultants
Workorder# 1209025B

One 1 Liter Summa Canister sample was received on September 05, 2012. The laboratory performed analysis via Modified ASTM Method D-1946 for Helium gas in air using GC/TCD. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*ASTM D-1946*	*ATL Modifications*
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a >/= 95% accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections > 5 X's the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: SG-15A

Lab ID#: 1209025B-03A

No Detections Were Found.

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Client Sample ID: SG-15A

Lab ID#: 1209025B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9091012b**	**Date of Collection:**	**9/4/12 10:42:00 AM**
Dil. Factor:	**2.42**	**Date of Analysis:**	**9/10/12 01:55 PM**

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.12	Not Detected

Container Type: 1 Liter Summa Canister

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Client Sample ID: Lab Blank

Lab ID#: 1209025B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	**9091003b**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/10/12 09:33 AM**	

Compound	**Rpt. Limit (%)**	**Amount (%)**
Helium	0.050	Not Detected

Container Type: NA - Not Applicable

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Client Sample ID: LCS

Lab ID#: 1209025B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9091002b	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/10/12 09:10 AM	

Compound	%Recovery
Helium	101

Container Type: NA - Not Applicable

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Client Sample ID: LCSD

Lab ID#: 1209025B-05AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9091022b	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/10/12 06:43 PM	

Compound	%Recovery
Helium	99

Container Type: NA - Not Applicable

LAB REPORT QUALITY ASSURANCE CHECKLIST

Project Information			
Project Name:		Lab Name:	
Project Number:		Lab Report Number:	
Sample Numbers: *(Attach list if needed)*			

Report Completeness		Comments
Are all samples listed on the COC included in the report? *(Indicate any differences in Comments column and resolve with the lab.)*	☐ Yes ☐ No	
Are all analytical tests listed on the COC for each sample included in the report? *(Indicate any differences in Comments column and resolve with the lab.)*	☐ Yes ☐ No	
Are all items required by the contract with the lab included in the report? *(Indicate any exceptions in the Comments column.)*	☐ Yes ☐ No	

QA Review of Lab Performance		Comments
Do all reporting limits meet project requirements? *(Indicate any differences in Comments column and resolve with the lab.)*	☐ Yes ☐ No	
Organic Data Assessment Summary form	☐ Attached	
Inorganic Data Assessment Summary form	☐ Attached	

Field Blank QA Review		
Are there any detections in the trip blanks?	☐ Yes ☐ No	*If yes, identify associated samples:*
Are there any detections in the equipment blanks?	☐ Yes ☐ No	*If yes, identify associated samples:*

Invoice Review		
Did the lab meet the promised turnaround times?	☐ Yes ☐ No	*If no, does a discount apply?*
Did any problems result in unusable sample results?	☐ Yes ☐ No	*If yes, evaluate whether the lab should be paid for the analysis.*
Are all items required by the contract with the lab included in the report?	☐ Yes ☐ No	*If no, indicate any exceptions:*

Completed by:		Date:	
Reviewed by:		Date:	

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Sample Transportation Notice
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(916) 985-1000 FAX (916) 985-1020

Page ____ of ____

Project Manager: Avery Patton
Collected by: (Print and Sign) Pete Scuramella
Company: AMEC Earth
Email: Avery.Patton@amec.com
Address: 2101 Webster St., 12th Floor City: Oakland State: CA Zip: 94612
Phone: 510-663-4100 Fax: 510-663-4141

Project Info:
P.O. #: pending
Project #: 01010160070.0002
Project Name: Crown

Turn Around Time:
☒ Normal
☒ Rush 1-week
specify

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

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial in Hg	Final in Hg	Receipt	Final (psi)
01A	SG-16A	37726	9/4/2012	919	TO-15	-29	-5.5		
02A	SG-16B	36442		957	TO-15	-28	-5.5		
03A	SG-15A	11895		1042	TO-15 + Helium*	-29	-5.0		
04A	SG-15B	2110		1121	TO-15	-29.5	-5.0		
05A	SG-14A	37674		1226	TO-15	-29.0	-4.5		
06A	SG-14B	37405		1325	TO-15	-30.0	-5.5		
07A	SG-19A	11438		1338	TO-15	-30.0	-5.5		
08A	SG-13B	36557		1446	TO-15	-30	-5.0		
09A	SG-13A	2131		1525	TO-15	-30	-5.0		
10									

Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
9/4/12 1545	9.5.12 0945
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time
Relinquished by: (signature) Date/Time	Received by: (signature) Date/Time

Notes:
Helium = helium with ASTM D1946

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx		NA	Good	Yes No None	1209025

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9/20/2012
Ms. Avery Patton
AMEC Geomatrix Consultants
2101 Webster Street, 12th Floor

Oakland CA 94612

Project Name: Crown
Project #: 0D10160070.0002
Workorder #: 1209026

Dear Ms. Avery Patton

The following report includes the data for the above referenced project for sample(s) received on 9/5/2012 at Air Toxics Ltd.

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

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

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1209026

Work Order Summary

CLIENT:	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612	**BILL TO:**	Ms. Avery Patton AMEC Environmental & Infrastructure 2101 Webster Street, 12th Floor Oakland, CA 94612
PHONE:	510-663-4100	**P.O. #**	Pending
FAX:	510-663-4141	**PROJECT #**	0D10160070.0002 Crown
DATE RECEIVED:	09/05/2012	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	09/20/2012		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Ambient-90412	Modified TO-15	7.0 "Hg	5 psi
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA
04AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: Heidi Mayo

Technical Director

DATE: 09/20/12

Certfication numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
AMEC Geomatrix Consultants
Workorder# 1209026

One 6 Liter Summa Canister sample was received on September 05, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

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

Client Sample ID: Ambient-90412

Lab ID#: 1209026-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.5	3.6	6.6	6.9

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Client Sample ID: Ambient-90412

Lab ID#: 1209026-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091216**	**Date of Collection:**	**9/4/12 3:41:00 PM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**9/12/12 10:14 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Chloromethane	8.8	Not Detected	18	Not Detected
Vinyl Chloride	0.88	Not Detected	2.2	Not Detected
1,3-Butadiene	0.88	Not Detected	1.9	Not Detected
Bromomethane	8.8	Not Detected	34	Not Detected
Chloroethane	3.5	Not Detected	9.2	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
Ethanol	3.5	3.6	6.6	6.9
Freon 113	0.88	Not Detected	6.7	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Acetone	8.8	Not Detected	21	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
Carbon Disulfide	3.5	Not Detected	11	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
Methylene Chloride	8.8	Not Detected	30	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Hexane	0.88	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.5	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Heptane	0.88	Not Detected	3.6	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
Toluene	0.88	Not Detected	3.3	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
2-Hexanone	3.5	Not Detected	14	Not Detected

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Client Sample ID: Ambient-90412

Lab ID#: 1209026-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091216**	**Date of Collection:**	**9/4/12 3:41:00 PM**
Dil. Factor:	**1.75**	**Date of Analysis:**	**9/12/12 10:14 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	0.88	Not Detected	3.8	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected
Naphthalene	3.5	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1209026-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 03:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

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Client Sample ID: Lab Blank

Lab ID#: 1209026-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 03:03 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Naphthalene	2.0	Not Detected	10	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: CCV

Lab ID#: 1209026-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 12:51 PM**	

Compound	%Recovery
Freon 12	87
Freon 114	91
Chloromethane	87
Vinyl Chloride	80
1,3-Butadiene	78
Bromomethane	102
Chloroethane	100
Freon 11	87
Ethanol	94
Freon 113	87
1,1-Dichloroethene	96
Acetone	99
2-Propanol	94
Carbon Disulfide	99
3-Chloropropene	105
Methylene Chloride	85
Methyl tert-butyl ether	98
trans-1,2-Dichloroethene	98
Hexane	103
1,1-Dichloroethane	92
2-Butanone (Methyl Ethyl Ketone)	105
cis-1,2-Dichloroethene	98
Tetrahydrofuran	93
Chloroform	92
1,1,1-Trichloroethane	90
Cyclohexane	103
Carbon Tetrachloride	79
2,2,4-Trimethylpentane	102
Benzene	99
1,2-Dichloroethane	84
Heptane	107
Trichloroethene	84
1,2-Dichloropropane	97
1,4-Dioxane	106
Bromodichloromethane	94
cis-1,3-Dichloropropene	105
4-Methyl-2-pentanone	107
Toluene	96
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	97
Tetrachloroethene	98
2-Hexanone	115

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Client Sample ID: CCV

Lab ID#: 1209026-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 12:51 PM**	

Compound	%Recovery
Dibromochloromethane	100
1,2-Dibromoethane (EDB)	100
Chlorobenzene	97
Ethyl Benzene	104
m,p-Xylene	108
o-Xylene	108
Styrene	106
Bromoform	100
Cumene	109
1,1,2,2-Tetrachloroethane	107
Propylbenzene	100
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	111
1,2,4-Trimethylbenzene	113
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	96
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	97
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	93
Naphthalene	98

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCS

Lab ID#: 1209026-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 01:30 PM**	

Compound	%Recovery
Freon 12	88
Freon 114	95
Chloromethane	84
Vinyl Chloride	83
1,3-Butadiene	78
Bromomethane	102
Chloroethane	102
Freon 11	88
Ethanol	84
Freon 113	90
1,1-Dichloroethene	105
Acetone	101
2-Propanol	97
Carbon Disulfide	128
3-Chloropropene	122
Methylene Chloride	86
Methyl tert-butyl ether	100
trans-1,2-Dichloroethene	114
Hexane	105
1,1-Dichloroethane	94
2-Butanone (Methyl Ethyl Ketone)	106
cis-1,2-Dichloroethene	99
Tetrahydrofuran	90
Chloroform	93
1,1,1-Trichloroethane	93
Cyclohexane	109
Carbon Tetrachloride	84
2,2,4-Trimethylpentane	105
Benzene	102
1,2-Dichloroethane	85
Heptane	111
Trichloroethene	85
1,2-Dichloropropane	99
1,4-Dioxane	107
Bromodichloromethane	97
cis-1,3-Dichloropropene	109
4-Methyl-2-pentanone	106
Toluene	99
trans-1,3-Dichloropropene	109
1,1,2-Trichloroethane	98
Tetrachloroethene	100
2-Hexanone	112

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Client Sample ID: LCS

Lab ID#: 1209026-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 01:30 PM**	

Compound	%Recovery
Dibromochloromethane	100
1,2-Dibromoethane (EDB)	104
Chlorobenzene	102
Ethyl Benzene	107
m,p-Xylene	113
o-Xylene	115
Styrene	110
Bromoform	101
Cumene	113
1,1,2,2-Tetrachloroethane	112
Propylbenzene	106
4-Ethyltoluene	105
1,3,5-Trimethylbenzene	113
1,2,4-Trimethylbenzene	116
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	101
1,2,4-Trichlorobenzene	99
Hexachlorobutadiene	93
Naphthalene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	85	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCSD

Lab ID#: 1209026-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 01:55 PM**	

Compound	**%Recovery**
Freon 12	88
Freon 114	96
Chloromethane	87
Vinyl Chloride	82
1,3-Butadiene	79
Bromomethane	106
Chloroethane	105
Freon 11	88
Ethanol	88
Freon 113	92
1,1-Dichloroethene	110
Acetone	102
2-Propanol	98
Carbon Disulfide	130
3-Chloropropene	122
Methylene Chloride	87
Methyl tert-butyl ether	103
trans-1,2-Dichloroethene	116
Hexane	107
1,1-Dichloroethane	96
2-Butanone (Methyl Ethyl Ketone)	112
cis-1,2-Dichloroethene	106
Tetrahydrofuran	92
Chloroform	96
1,1,1-Trichloroethane	94
Cyclohexane	112
Carbon Tetrachloride	86
2,2,4-Trimethylpentane	107
Benzene	103
1,2-Dichloroethane	83
Heptane	112
Trichloroethene	87
1,2-Dichloropropane	97
1,4-Dioxane	109
Bromodichloromethane	95
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	104
Toluene	99
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	99
Tetrachloroethene	101
2-Hexanone	111

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Client Sample ID: LCSD

Lab ID#: 1209026-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**3091204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/12/12 01:55 PM**	

Compound	**%Recovery**
Dibromochloromethane	101
1,2-Dibromoethane (EDB)	102
Chlorobenzene	100
Ethyl Benzene	105
m,p-Xylene	111
o-Xylene	113
Styrene	109
Bromoform	99
Cumene	112
1,1,2,2-Tetrachloroethane	111
Propylbenzene	105
4-Ethyltoluene	103
1,3,5-Trimethylbenzene	113
1,2,4-Trimethylbenzene	114
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	112
1,2-Dichlorobenzene	102
1,2,4-Trichlorobenzene	103
Hexachlorobutadiene	95
Naphthalene	95

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	86	70-130
4-Bromofluorobenzene	97	70-130

APPENDIX G

Data Quality Review

DATA QUALITY REVIEW
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California
Fuel Leak Case No. RO0003014

October 19, 2012
Project OD10160070

This Data Quality Review appendix was prepared by the staff of AMEC under the supervision of the project Data Quality Manager whose signature appears hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.

Margaret K. (Peggy) Peischl, PE
Senior Associate Engineer
AMEC Environment & Infrastructure, Inc.

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APPENDIX G
DATA QUALITY REVIEW
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

1.0 INTRODUCTION

AMEC Environment & Infrastructure, Inc. (AMEC), evaluated the analytical data from AMEC's August-September 2012 sampling event and the data from sampling events conducted by other consultants (Basics Environmental, Inc. [Basics] and Ninyo & Moore) using guidelines set forth in the U.S. Environmental Protection Agency's (EPA's) *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (National Functional Guidelines U.S. EPA, 2008) and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (National Functional Guidelines U.S. EPA, 2010).

The data quality review also included a data completeness check of the data packages, a transcription check of sample results, and a review of all laboratory reporting forms. Qualified data are included in the data summary tables in the main body of this report (with the exception of analytes that have not been detected at the site, which are not tabulated). Data qualifiers for AMEC's August-September 2012 sampling event are hand-written onto the laboratory analytical reports in Appendix F. Laboratory reports for prior investigations are not included in this report, but are available in the following reports:

- Data from Basics' February 2009 investigation are reported in the Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, dated March 16, 2009.
- Data from Ninyo & Moore's December 2010 investigation are reported in the Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, dated January 7, 2011.
- Data from Ninyo & Moore's August-September 2011 investigation are reported in the Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, dated September 16, 2011.

2.0 AMEC AUGUST-SEPTEMBER 2012 INVESTIGATION

Quality assurance procedures for soil samples included the collection and analysis of matrix spike/matrix spike duplicate (MS/MSD) samples; laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs); and evaluation of the analytical results.

Quality assurance procedures for groundwater samples (grab groundwater samples and samples from monitoring wells) included the collection and analysis of three blind field duplicate samples and two MS/MSD samples; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs; and evaluation of the analytical results.

Quality assurance procedures for soil vapor samples included the collection and analysis of two blind field duplicate samples and two ambient air samples; laboratory analysis of lab blank samples, surrogate spikes, leak check compounds in two samples, and LCS/LCSDs; review of the laboratory continuing calibration verification summary; and evaluation of the analytical results.

The blind field duplicate groundwater samples were collected from boring SB-39 and labeled as SB-390, and from monitoring wells MW-01 and MP-02, and labeled as MW-10 and MP-02-10, respectively. The blind field duplicate soil vapor samples were collected from sample locations SG-09 and SG-14 and labeled as SG-09B and SG-19A, respectively. Helium, the leak check compound, was analyzed for by the laboratory in samples SG-11 and SG-15A. The groundwater MS/MSD samples were collected from boring SB-39 and monitoring well MP-02-2, and the soil MS/MSD sample was collected from boring SB-39 at 5.0 feet below ground surface (bgs).

2.1 SOIL DATA QUALITY REVIEW

A review of soil data quality is provided in the following sections.

2.1.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS, LCSD, MS samples, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

2.1.1.1 Spiked Compounds

The MS and MSD recoveries were below the laboratory control limits for vinyl acetate. Associated project sample results for vinyl acetate (i.e., all soil samples from borings SB-33 through SB-35, SB-38 through SB-41, SB-46, and MW-02) were non-detect for vinyl acetate and were qualified with “UJ” to indicate that the analyte was not detected at a concentration greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise.

The percent recoveries for all LCS/LCSD samples were within laboratory control limits.

2.1.1.2 Surrogate recoveries

No soil data were qualified due to surrogate recoveries.

2.1.1.3 Method Blanks

There were no detections in the method blank samples.

2.1.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated relative percent difference (RPD) between the data sets. Results for LCS/LCSD and MS/MSD sample pairs were evaluated to assess the precision of the analytical methods for the soil sample data.

The RPD between the MS and MSD for vinyl acetate was greater than the acceptance limit. Non-detected results were already qualified with "UJ," so no further qualification of vinyl acetate data was necessary.

The RPDs for all LCS/LCSD analyses were within acceptance limits. No blind duplicate for soil was obtained for this investigation.

2.1.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

Four soil samples inadvertently were not collected (from 5 and 10 feet bgs from boring MW-1, and from intervals with field indications of impacts from borings MP-02 and SB-37), while 16 samples were successfully collected. The percent complete for soil sample data collected during the August and September 2012 sampling events is 80 percent.

2.2 GROUNDWATER DATA QUALITY REVIEW

A review of groundwater data quality is provided in the following sections.

2.2.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS, LCSD, MS samples, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

2.2.1.1 Spiked Compounds

Results for several samples were qualified due to MS and MSD recoveries that were below the acceptable laboratory control limits. Recoveries for all grab groundwater MS and MSD samples were below the laboratory control limits for acetone. Associated project sample results for acetone (i.e., samples MW-01-[17-22]-GW, MW-02-[15-20]-GW,

MW-03-[15-20]-GW, SB-33, SB-34, SB-35, SB-38, SB-39, SB-390, SB-40, SB-41, SB-42, SB-43, SB-44, SB-45, and SB-46) were non-detect and were qualified with “UJ” to indicate that the analyte was not detected at a level greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise.

Results for several samples were qualified due to LCS and LCSD recoveries that were above the acceptable laboratory control limits. LCS and LCSD recoveries were above the laboratory control limits for 2-butanone. Associated project sample results for 2-butanone (i.e., grab groundwater samples SB-44, SB-45, and SB-46) were qualified with “UJ” to indicate that the analyte was not detected at a level greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise.

No other results were qualified due to LCS/LCSD or MS/MSD recoveries.

2.2.1.2 Surrogate Recoveries

No groundwater data were qualified due to surrogate recoveries.

2.2.1.3 Method Blanks

There were no detections in the method blank samples.

2.2.1.4 Trip Blanks

Four trip blanks were submitted for VOC analysis. There were no detections in the trip blank samples.

2.2.1.5 Other Factors

Gasoline range organics were reported at similar concentrations to tetrachloroethene (PCE) in grab groundwater samples MW-01-(17-22)-GW, SB-33, SB-34, SB-35, SB-38, SB-39, SB-390, SB-40, SB-41, SB-42, SB-45, and SB-46 and monitoring well samples MW-1, MW-10, MP-01-1 and MP-03-1. The analytical laboratory indicated in the case narratives for these samples that the reported gasoline range organics results were due to presence of discrete PCE peaks and not the presence of gasoline range organics. As a result, AMEC qualified these gasoline range organics results with “R” to indicate that they are rejected.

Acetone was reported in samples MP-01-2, MP-02-3, MP-04-2, and MP-04-3. Acetone is not a constituent of concern at the site. Acetone was not detected in the laboratory method blank, but is a common laboratory contaminant. Results for acetone have not been qualified, but it is believed that they do not represent acetone present in groundwater.

2.2.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD, MS/MSD, and

the field duplicate sample pairs were evaluated to assess the precision of the analytical methods. A summary of sample results from the field duplicate sample pair is shown in Table G-1.

The RPDs for the field duplicate sample pairs and the MS/MSD and LCS/LCSD analyses were within acceptance limits.

2.2.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for groundwater sample data collected during the August and September 2012 sampling events is 100 percent, with the exception of the gasoline range organics results, where the percent complete is 50 percent.

2.3 SOIL VAPOR DATA QUALITY REVIEW

A review of soil vapor data quality is provided in the following sections.

2.3.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

2.3.1.1 Spiked Compounds

LCS and LCSD recoveries were above acceptable laboratory control limits for acetone. The associated detected project sample result for acetone (i.e., soil vapor sample SG-10) was qualified “J” to indicate the analyte was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample. No data qualification was necessary for non-detected results.

LCS and LCSD recoveries were below acceptable laboratory control limits for tetrahydrofuran for one batch. The associated detected project sample result for tetrahydrofuran (i.e., soil vapor sample SG-16A) was qualified “J” to indicate the analyte was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample. All non-detected values in associated samples (i.e., SG-14A, SG-15A, SG-15B, SG-16B, and SG-19A) were qualified with “R” to indicate that they are rejected.

LCS and LCSD recoveries were below acceptable laboratory control limits for ethanol, acetone, methylene chloride, and tetrahydrofuran for another batch. The only associated

detected project sample result for those constituents (i.e., soil vapor sample SG-13A for tetrahydrofuran) was qualified “J” to indicate the analyte was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample. All non-detected values in associated samples for ethanol, acetone, methylene chloride and tetrahydrofuran (i.e., SG-13A, SG-13B, and SG-14B) were qualified with “R” to indicate that they are rejected.

CCV recoveries were below acceptable laboratory control limits for 1,3-butadiene. Associated non-detected project sample results for 1,3-butadiene (i.e., soil vapor samples SG-13A, SG-13B, SG-14B) were qualified with “UJ” to indicate the analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. No data qualification was necessary for detected results.

2.3.1.2 Surrogate Recoveries

No soil vapor data were qualified due to surrogate recoveries.

2.3.1.3 Method Blanks

There were no detections in the method blank samples.

2.3.1.4 Other Factors

The laboratory case narrative indicated that the results for 4-ethyltoluene may be biased high in samples SG-15A, SG-15B and SG-16A due to coelution with another compound. The detected results for 4-ethyltoluene affected by the coelution are qualified with “J” to indicate that the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in sample.

2.3.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs and two field duplicate sample pairs were evaluated to assess the precision of the analytical method. A summary of sample results from the field duplicate sample pair is shown in Table G-1.

The RPD for PCE for one primary sample and blind field duplicate sample pair exceeded the acceptable limit. The associated detected soil vapor results for PCE (i.e., SG-14A, SG-14B, SG-15B, SG-16A, SG-16B, and SG-19A) are qualified with “J” to indicate that the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample.

The RPDs for all LCS/LCSD analyses were within acceptance limits.

2.3.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil vapor sample data collected during the September 2012 sampling event constituents of concern at the site is 100 percent. Some data are rejected, but they are not constituents of concern at the site.

2.4 SUMMARY OF SOIL, GROUNDWATER, AND SOIL VAPOR DATA QUALITY REVIEW

Based on an evaluation of data quality collected during AMEC's August-September 2012 investigation, some data were qualified as positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"). Some data were qualified as not detected at a level greater than or equal to the laboratory reporting limit, but the laboratory reporting limit is approximate and may be inaccurate or imprecise (qualified with "UJ"). In addition, some results were qualified as "R" to indicate the sample results are rejected due to serious deficiencies in the ability to meet quality control criteria; the presence or absence of the analyte cannot be verified. Overall, the results of the data quality review indicate that the majority of analytical results are valid and useable, with the exception of the rejected results. The data, as qualified, are acceptable and can be used for decision-making purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

3.0 BASICS FEBRUARY 2009 INVESTIGATION

AMEC performed a data quality review of the analytical results from the February 2009 investigation performed by Basics. AMEC's review was based on the information and copies of analytical laboratory reports included in the investigation report (Basics, 2009). According to the Basics report, quality assurance procedures for soil samples included the collection and analysis of four MS/MSDs (one sample for each analytical method, with the exception of analysis for petroleum hydrocarbons); laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs).

Quality assurance procedures for groundwater samples included laboratory analysis of method blank samples, surrogate spikes, MS/MSDs, and LCS/LCSDs.

Quality assurance procedures for soil samples included the collection of four MS/MSD samples; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs.

The MS/MSD for VOCs in soil was collected from B8 at 4 feet bgs. The MS/MSD for PCBs in soil was collected from boring B7 at 4 feet bgs. The MS/MSD for BTEX and MTBE in soil was collected from boring B5 at 4 feet bgs. The MS/MSD for metals in soil was collected from boring B8 at 4 feet bgs. The MS/MSDs for groundwater and for total petroleum hydrocarbons quantified as diesel (TPHd) in soil were not run on project samples.

3.1 SOIL DATA QUALITY REVIEW

A review of soil data quality is provided in the following sections.

3.1.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS, LCSD, MS samples, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

3.1.1.1 Spiked Compounds

No soil data were qualified due to LCS/LCSD or MS/MSD recoveries.

3.1.1.2 Surrogate Recoveries

No soil data were qualified due to surrogate recoveries.

3.1.1.3 Method Blanks

There were no detections in the method blank samples.

3.1.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD and MS/MSD sample pairs were evaluated to assess the precision of the analytical methods for the soil sample data.

The RPDs for all of the LCS/LCSD and MS/MSD analyses were within acceptable limits.

3.1.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil sample data collected during Basics' February 2009 sampling events is 100 percent.

3.2 GROUNDWATER DATA QUALITY REVIEW

A review of groundwater data quality is provided in the following sections.

3.2.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

3.2.1.1 Spiked Compounds

No groundwater data were qualified due to LCS/LCSD recoveries.

3.2.1.2 Surrogate Recoveries

No groundwater data were qualified due to surrogate recoveries.

3.2.1.3 Method Blanks

There were no detections in the method blank samples.

3.2.1.4 Other Factors

No other factors influenced data accuracy as reported by the analytical laboratory.

3.2.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs were evaluated to assess the precision of the analytical methods for the groundwater sample data.

The RPDs for all of the LCS/LCSD analyses were within acceptable limits.

3.2.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for groundwater sample data collected during Basics' February 2009 sampling events is 100 percent.

3.3 SUMMARY OF SOIL AND GROUNDWATER DATA QUALITY REVIEW

Based on an evaluation of the data quality, none of the data are qualified. The results of the data quality review indicate that the analytical results are valid and useable. The data are acceptable and can be used for decision-making purposes.

4.0 NINYO & MOORE DECEMBER 2010 INVESTIGATION

AMEC performed a data quality review of the analytical results from the December 2010 investigation performed by Ninyo & Moore. AMEC's review was based on the information and copies of analytical laboratory reports included in the investigation report (Ninyo & Moore, 2011a).

According to the Ninyo & Moore report, quality assurance procedures for soil samples included laboratory analysis of method blank samples, surrogate spikes, MS/MSDs, and LCS/LCSDs.

Quality assurance procedures for groundwater samples included laboratory analysis of method blank samples, surrogate spikes, MS/MSDs, and LCS/LCSDs.

Quality assurance procedures for soil vapor samples included laboratory analysis of lab blank samples, surrogate spikes, and LCS/LCSDs.

MS/MSD analyses were not run on project soil or groundwater samples; therefore, they were not included in the data review process.

4.1 SOIL DATA QUALITY REVIEW

A review of soil data quality is provided in the following sections.

4.1.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

4.1.1.1 Spiked Compounds

The percent recoveries for all LCS/LCSD results did not result in any qualification of any data.

4.1.1.2 Surrogate Recoveries

The percent recovery of the surrogate 4-bromofluorobenzene was above laboratory control limits for sample NM-B-6-3.0-3.5. Associated detected results for project soil sample NM-B-6-3.0-3.5 (i.e., chlorobenzene, n-butylbenzene, and sec-butylbenzene) were qualified with "J" to indicate that the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample. No data qualification was necessary for non-detected results.

4.1.1.3 Method Blanks

There were no detections in associated method blank samples.

4.1.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs were evaluated to assess the precision of the analytical methods for the soil sample data.

The RPDs for the LCS/LCSD analyses were within acceptable limits.

4.1.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil sample data collected during Ninyo & Moore's December 2010 sampling events is 100 percent.

4.2 GROUNDWATER DATA QUALITY REVIEW

A review of groundwater data quality is provided in the following sections.

4.2.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples, and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

4.2.1.1 Spiked Compounds

No groundwater data were qualified due to LCS/LCSD recoveries.

4.2.1.2 Surrogate Recoveries

No groundwater data were qualified due to surrogate recoveries.

4.2.1.3 Method Blanks

There were no detections in the method blank samples.

4.3 SOIL VAPOR DATA QUALITY REVIEW

A review of soil vapor data quality is provided in the following sections.

4.3.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

4.3.1.1 Spiked Compounds

No soil vapor data were qualified due to LCS/LCSD recoveries.

4.3.1.2 Surrogate Recoveries

No soil vapor data were qualified due to surrogate recoveries.

4.3.1.3 Lab Blanks

There were no detections in the lab blank samples.

4.3.2 Data Precision

Data precision is measured by evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs were evaluated to assess the precision of the analytical methods for the soil sample data. The RPDs for the LCS/LCSD analyses were within laboratory control criteria.

4.3.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil vapor sample data collected during Ninyo & Moore's December 2010 sampling event is 100 percent.

4.4 SUMMARY OF SOIL, GROUNDWATER, AND SOIL VAPOR DATA QUALITY REVIEW

Based on an evaluation of the data quality, some of the data were qualified as positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"). Overall, the results of the data quality review indicate that the analytical results are valid and useable. The data as qualified are acceptable and can be used for decision-making purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

5.0 NINYO & MOORE AUGUST-SEPTEMBER 2011 INVESTIGATION

AMEC performed a data quality review of the analytical results from the August-September 2011 investigation performed by Ninyo & Moore. AMEC's review was based on the information and copies of analytical laboratory reports included in the investigation report (Ninyo & Moore, 2011b).

According to the Ninyo & Moore report, quality assurance procedures for soil samples included the analysis of one MS/MSD sample (for diesel range organics); laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs.

Quality assurance procedures for groundwater samples included the laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs.

Quality assurance procedures for soil vapor samples included laboratory analysis of lab blank samples, surrogate spikes, and LCS/LCSDs.

The MS/MSD for diesel range organics in soil was collected at sample location NM-B-17 from 13 feet bgs. The MS/MSDs for groundwater were collected from a location not associated with the site; therefore, they were not included in the data review process.

5.1 SOIL DATA QUALITY REVIEW

A review of soil data quality is provided in the following sections.

5.1.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS, LCSD, MS, and MSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

5.1.1.1 Spiked Compounds

No soil data were qualified due to LCS/LCSD or MS/MSD recoveries.

5.1.1.2 Surrogate Recoveries

No soil data were qualified due to surrogate recoveries.

5.1.1.3 Method Blanks

Chloromethane was detected in one method blank sample, but the associated primary samples were non-detect for chloromethane; as a result, no data qualification was required.

5.1.2 Data Precision

Data precision is evaluated by evaluating the calculated RPD between the data sets. Results for LCS/LCSD and MS/MSD sample pairs were evaluated to assess the precision of the analytical methods for the soil sample data.

Results for one compound were qualified due to MS/MSD RPD was outside acceptance laboratory control limit. The MS/MSD RPD was above the acceptance limit for TPH-hydraulic oil (TPHho). The associated sample result for NM-B-11-14.5-15.0 was qualified with “J” to indicate that the analyte was positively identified, but the associated numerical value is the

approximate concentration of the analyte in the sample. No data qualification was necessary for non-detected TPHho results.

The RPDs for LCS/LCSD analyses were within acceptable limits.

5.1.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil sample data collected during Ninyo & Moore's August-September 2011 sampling event is 100 percent.

5.2 GROUNDWATER DATA QUALITY REVIEW

A review of groundwater data quality is provided in the following sections.

5.2.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

5.2.1.1 Spiked Compounds

No results were qualified due to LCS/LCSD recoveries.

5.2.1.2 Surrogate Recoveries

No groundwater data were qualified due to surrogate recoveries.

5.2.1.3 Method Blanks

There were no detections in the method blank samples.

5.2.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs were evaluated to assess the precision of the analytical methods.

The LCS/LCSD analyses were within laboratory control criteria.

5.2.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for groundwater sample data collected during Ninyo & Moore's August-September 2011 sampling events is 100 percent.

5.3 SOIL VAPOR DATA QUALITY REVIEW

A review of soil vapor data quality is provided in the following sections.

5.3.1 Data Accuracy

Data accuracy was assessed by the analysis of LCS and LCSD samples and evaluation of the recovery of spiked compounds, and is expressed as a percentage of the true or known concentrations. Surrogate recoveries and blank results also were used to assess accuracy.

5.3.1.1 Spiked Compounds

No results were qualified due to LCS/LCSD recoveries.

5.3.1.2 Surrogate Recoveries

No soil vapor data were qualified due to surrogate recoveries.

5.3.1.3 Lab Blanks

There were no detections in the lab blank samples.

5.3.2 Data Precision

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated RPD between the data sets. Results for LCS/LCSD sample pairs were evaluated to assess the precision of the analytical method.

The RPDs for all LCS/LCSD were within acceptance limits.

5.3.3 Data Completeness

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil vapor sample data collected during the August-September 2011 sampling event is 100 percent.

5.4 SUMMARY OF SOIL, GROUNDWATER, AND SOIL VAPOR DATA QUALITY REVIEW

Based on an evaluation of data quality, some data were qualified as positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"). Overall, the results of the data quality review indicate that the analytical results are valid and useable. The data, as qualified, are acceptable and can be used for decision-making purposes; however, the limitations identified by the applied qualifiers should be considered when using the data.

6.0 REFERENCES

Basic, 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.

Ninyo & Moore, 2011a, Limited Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, January 7.

Ninyo & Moore, 2011b, Additional Phase II Environmental Site Assessment, Crown Chevrolet, 7544 Dublin Boulevard, Dublin, California, September 16.

U.S. Environmental Protection Agency, 2008, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01, June.

U.S. Environmental Protection Agency, 2010, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, EPA 540-R-10-011, January.

TABLE G-1

SUMMARY OF PRECISION DATA
FOR ANALYSIS OF GROUNDWATER AND SOIL VAPOR FIELD DUPLICATE SAMPLES
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Primary Sample ID	Duplicate Sample ID	Collection Date	Compound[1]	Units	Reporting Limit	Primary Sample Result	Duplicate Sample Result	RPD[2]	Absolute Difference Between Sample Results[3]
Groundwater									
SB-39	SB-390	7/8/2012	Tetracloroethene	µg/L	0.50	120	140	15%	NA
			Trichloroethene	µg/L	0.50	2.0	1.8	11%	NA
MP-02-1	MP-02-10	9/10/2012	Cis-1,2-dichloroethene	µg/L	0.50	1.1	1.3	17%	NA
			Tetrachloroethene	µg/L	0.50	1.2	1.6	29%	NA
			Trichloroethene	µg/L	0.50	15	19	24%	NA
MW-01	MW-10	9/10/2012	Tetrachloroethene	µg/L	0.50	150	160	6%	NA
			Trichloroethene	µg/L	0.50	1.2	1.3	8%	NA
Soil Vapor									
SG-09	SG-09B	9/5/2012	Tetrachloroethene	µg/m^3	8.2/8.4	68	69	1%	NA
			Toluene	µg/m^3	4.6	11	11	0%	NA
			1,1,1-Trichloroethane	µg/m^3	6.6/6.7	19	18	5%	NA
			1,2,4-Trimethylbenzene	µg/m^3	5.9/6.1	9.9	10	NA	0.1
			m,p-Xylene	µg/m^3	5.2/5.4	14	14	0%	NA
			o-Xylene	µg/m^3	5.2/5.4	5.6	6.1	NA	0.5
SG-14B	SG-19A	9/4/2012	Benzene	µg/m^3	4.4	<4.4	4.9	NA	0.5
			Ethylbenzene	µg/m^3	6.0	7.1	<6.0	NA	1.1
			Tetrachloroethene	µg/m^3	9.4	41	68	**50%**	NA
			Toluene	µg/m^3	5.2	17	17	0%	NA
			Trichloroethene	µg/m^3	7.4	400	380	5%	NA
			1,2,4-Trimethylbenzene	µg/m^3	6.8	7.0	8.8	NA	1.8
			m,p-Xylene	µg/m^3	6.0	18	18	0%	NA
			o-Xylene	µg/m^3	6.0	7.1	<6.0	NA	1.1

Notes

1. Only compounds detected in at least one of the field primary or field duplicate samples are shown.
2. Relative Percent Difference (RPD) is calculated by:

$$RPD\ \% = \left| \frac{2(S_1 - S_2)}{S_1 + S_2} \right| \times 100$$

Where S_1, is the sample concentration and S_2 is the blind duplicate sample concentration.

Bold indicates the value exceeds the acceptance criteria of 30%.

3. The RPD is not applicable when the sample results are less than two times (organics) or five times (inorganics) the reporting limit. In those cases, duplicate results are acceptable when the absolute difference between the results is less than the reporting limit. When a compound was detected in one duplicate sample, but was not detected at or above the laboratory reporting limit in the other sample, then the results are acceptable when the absolute difference between the detected result and the reporting limit is less than the reporting limit.

Abbreviations

µg/L = micrograms per liter
µg/m^3 = micrograms per cubic meter
NA = not applicable

APPENDIX H

Utility Survey Report

NORCAL GEOPHYSICAL CONSULTANTS, INC.

October 8, 2012

Ms. Avery Patton
AMEC Earth & Environmental
2101 Webster Street, 12th Floor
Oakland, California 94612

Subject: Geophysical Investigation
7544 Dublin Blvd., Dublin, California
NORCAL Job No. 12-325.71

Dear Ms. Patton:

This report presents the findings of a geophysical survey performed by NORCAL Geophysical Consultants, Inc. at the subject property in Dublin, California. The field survey was conducted on September 11th and 12th, 2012 by NORCAL California Professional Geophysicist David T. Hagin PGp 1033 and Staff Geophysicist Anna G. Brody. Site information and logistical support were provided by Avery Patton of AMEC Earth & Environmental.

1.0 PURPOSE and SITE DESCRIPTION

The geophysical investigation was conducted at the Crown Chevrolet facility located on the southeast corner of Dublin Boulevard and Golden Gate Drive. The survey area, as designated by AMEC, measures approximately 200 X 390 feet (ft) and covers the asphalt lot in front of the building, toward Dublin Boulevard (Plate 1). Site features include planters around the perimeter and a rock-filled planter in the center of the property. There are two large buildings located on the east and west side of the property. The remaining site is open, flat and covered with asphalt paving.

Due to the presence of contaminants in monitoring well samples AMEC is gathering information to assess potential groundwater movement beneath the site. The purpose of the geophysical survey is to investigate for detectable underground utilities and other features that may act as preferential pathways for migration of sub-surface contaminants within the groundwater.

2.0 INSTRUMENTATION and METHODOLOGY

The geophysical survey was performed using a combination of geophysical instrumentation including:

2.1 Metal Detection (MD)

We used hand-held metal detection (MD) to delineate the locations and general outline of subsurface metallic objects. The MD survey was accomplished by conducting a series of bidirectional traverses spaced approximately 5 feet apart over the subject area, where accessible. As the outline and orientation of a detected subsurface feature became more apparent, additional traverses of differing orientations and lengths were conducted as needed.

321A BLODGETT STREET • COTATI, CA 94931 • TELEPHONE (707) 796-7170 • FAX (707) 796-7175
www.norcalgeophysical.com

2.2 Electromagnetic Line-Locating (EMLL)

EMLL was used to scan the area for the ambient radio-frequency signals that are often received and re-emitted by utilities such as electric, telephone, water, and natural gas lines. This was accomplished by conducting a series of bidirectional traverses spaced approximately 5 feet apart over the subject areas, where accessible. When a contact point is available, a transmitter may also be used to place a signal or "tone" directly onto the utility which can be detected and traced by the receiver. The EMLL was used in this mode to energize and trace out the subsurface location of identified utilities, where possible.

2.3 Ground Penetrating Radar (GPR)

The GPR method was used to provide images that represent variations in the electrical properties of the shallow subsurface. These images may indicate locations and dimensions of USTs and other buried metallic and nonmetallic objects, debris or excavated zones.

GPR was used to systematically search the site for utilities and possible unknown USTs by conducting traverses in varying directions over accessible areas of the site. GPR was also used to evaluate and confirm the locations of utilities detected by the other methods. We employed a Geophysical Survey Systems, Inc. SIR-3000 Subsurface Interface Radar System equipped with a 400 megahertz (MHz) antenna.

The interpretation of GPR data is based on visually evaluating the size, magnitude, apparent depth, shape, and location of sub-surface reflectors. Due to site conditions, the GPR depth of investigation was limited to approximately 3 to 4 feet.

2.4 Field Documentation

The interpreted outline or orientation of any detected sub-surface object or utility was painted on the ground surface with marking paint. A scaled site map showing the survey area, detected subsurface features, and structures or other above ground features was hand-drawn and subsequently drafted for future reference. A more detailed discussion of these geophysical methods, including data analysis, interpretation and inherent limitations is presented in Appendix A.

3.0 LIMITATIONS

3.1 Electromagnetic Line Locating

The detection of underground utilities is dependent upon the composition and construction of the line of interest, as well as its depth. Utilities detectable with standard line location techniques include most continuously connected metal pipes, cables/wires or utilities with tracer wires. Unless carrying a passive current these utilities must be

exposed at the surface or accessible in utility vaults in order to have a tracing signal placed on them. These generally include water, electric, natural gas, telephone, and other conduits related to facility operations. Utilities that may not be detectable using standard electromagnetic line location techniques may include certain abandoned utilities, utilities not exposed at the ground surface, or those made of non-electrically conductive materials such as PVC, fiberglass, vitrified clay, and metal pipes with insulating joints. Also, pipes generally deeper than about five to seven feet may not be detected.

3.2 Ground Penetrating Radar

The ability to detect subsurface targets is dependent on site specific conditions. These conditions include depth of burial, the size or diameter of the target, the condition of the specific target in question, the type of backfill material associated with the target, and the surface conditions over the target. Under ideal conditions, the GPR can generally detect objects buried to approximately six feet. However, as the clay content in the subsurface increases, the GPR depth of detection decreases. Therefore, it is possible that on-site soil conditions and target features may limit the depth of detection to the upper two to four feet below ground surface.

4.0 RESULTS

The results of the geophysical investigation are presented on the Geophysical Survey Map, Plate 1. This map shows the designated survey area, structures or above ground cultural features that are in close proximity, and the locations of detected utility alignments and subsurface features. The integration of EMLL, MD, and GPR surveys defined the locations of numerous utility alignments. As shown on Plate 1, we detected electric, water, sanitary sewer, storm drain, telecommunication, natural gas, and other undifferentiated utilities.

4.1 Electric Lines

Electric lines for the light standards are located around the perimeter of the property. An electric line extends between the two light standards within the eastern half of the survey area, then west across the property, terminating at a utility vault. An electric line runs from the east side of the west building toward the northern end of the rock-filled planter in the parking lot. This electric line continues from the planter to the northwest toward the sidewalk along Dublin Boulevard. An electric line was also detected extending from the east side of the west building to the utility enclosure across the driveway.

4.2 Water Lines

Two waterlines were detected coming on site from Dublin Boulevard. The westernmost parallels the sanitary sewer, running north to south, from a water valve near the street toward the buildings; the second water line is within the eastern half of the property, extending south from

the sidewalk and splitting off into two separate lines towards the east. In addition, a water line was detected connecting the two buildings, traversing the driveway and terminating in the utility enclosure.

4.3 Sanitary Sewer Lines

The sanitary sewer service was defined extending from the buildings to a cleanout near the utility enclosure. The line then runs north, between the buildings, bending slightly to the east near the planter in the center of the parking lot, and continuing toward the sidewalk along Dublin Boulevard.

4.4 Storm Drain Lines

Two storm drain lines were detected. One extends from the west side of the west building toward the south, parallel to the building. Another extends from the car wash in the southeast corner of the property toward the sidewalk along Dublin Boulevard.

4.5 Natural Gas Lines

A natural gas line was detected extending north from the utility enclosure toward the sidewalk along Dublin Boulevard. The line was traced to a gas valve near the site entrance along Dublin Boulevard.

4.6 Telecommunication Lines

A telecommunications line was detected entering the property near the northwestern corner and trending toward a utility vault at the northwestern corner of the west building. The line then continues southward parallel to the building and out of the survey area.

4.7 Undifferentiated Utility Lines

Several undifferentiated utilities were defined within the survey area. One meanders from a vault near the sidewalk along Dublin Boulevard southward to another vault near the northwestern corner of the west building. Another extends west from the utility vault near the west building to the sidewalk along Golden Gate Drive. There is another line that runs south from the reinforced concrete pad on the east side of the west building. In addition, an undifferentiated utility was detected extending south from the central planter to the western column of the canopy of the east building. Another extends from the east column of the canopy towards the east where it appears to join with a detected electric line. There was also a short, doubly terminated segment detected in the northeast portion of the survey area parallel to the mapped water line.

5.0 STANDARD CARE AND WARRANTY

The scope of NORCAL's services for this project consisted of using geophysical methods to explore the area of investigation for underground utilities. The accuracy of our findings is subject to specific site conditions and limitations inherent to the techniques used. We performed our services in a manner consistent with the level of skill ordinarily exercised by members of the profession currently employing similar methods. No warranty, with respect to the performance of services or products delivered under this agreement, expressed or implied, is made by NORCAL.

We appreciate having the opportunity to provide you with our geophysical services. If you have any questions, or require additional geophysical services, please do not hesitate to call.

Respectfully,

NORCAL Geophysical Consultants, Inc.

David T. Hagin
Professional Geophysicist PGp - 1033

DTH/KGB/tt

Enclosures: Plate 1
Appendix A: GEOPHYSICAL METHODOLOGY

Appendix A

GEOPHYSICAL METHODOLOGY, INSTRUMENTATION, DATA ANALYSIS, AND LIMITATIONS

Appendix A

GROUND PENETRATING RADAR (GPR)

Methodology

Ground penetrating radar is a method that provides a continuous, high resolution cross-section depicting variations in the electrical properties of the shallow subsurface. The method is particularly sensitive to variations in electrical conductivity and electrical permittivity (the ability of a material to hold a charge when an electrical field is applied).

The GPR system operates by radiating electromagnetic pulses into the ground from a transducer (antenna) as it is moved along a traverse. Since most earth materials are transparent to electromagnetic energy, the signal spreads downward into the subsurface. However, when the signal encounters a variation in electrical permittivity, a portion of the electromagnetic energy is reflected back to the surface. When the signal encounters a metal object, all of the incident energy is reflected. The reflected signals are received by the same transducer and are printed in cross-section form on a graphical recorder. Changes in subsurface reflection character on the GPR records can provide information regarding the location of USTs, sumps, buried debris, underground utilities, and variations in the shallow stratigraphy.

Instrumentation

The GPR system typically used is a Geophysical Survey Systems, Inc. SIR-2000 Subsurface Interface Radar Systems equipped with a 500 megahertz (MHz) transducer. This transducer is near the center of the available frequency range and is used to provide high resolution at shallow depths.

Data Analysis

GPR records are examined to identify reflection patterns characteristic of USTs, utilities, and other buried debris. Typically, USTs are manifested by broad localized hyperbolic (upside-down "U" shape) reflection patterns that vary in intensity. The intensity of a reflection pattern is usually dependent upon the condition of the respective UST, its burial depth, and the type of fill over the UST. Utilities and other buried debris are typically manifested by narrow localized hyperbolic reflections that also vary in intensity.

Limitations

The ability to detect subsurface targets is dependent on site specific conditions. These conditions include depth of burial, the size or diameter of the target, the condition of the specific target in question, the type of backfill material associated with the target, and the surface conditions over the target. Under ideal conditions, the GPR can generally detect objects buried to approximately six feet. However, as the clay content in the subsurface increases, the GPR depth of detection decreases. Therefore, it is possible that on-site soil conditions and target features may limit the depth of detection to the upper one to two feet below ground surface.

ELECTROMAGNETIC LINE LOCATION and METAL DETECTION (EMLL/MD)

Methodology

Electromagnetic line location techniques are used to locate the magnetic field resulting from an electric current flowing on a line. These magnetic fields can arise from currents already on the line (passive) or currents applied to a line with a transmitter (active). The most common passive signals are generated by live electric lines and re-radiated radio signals. Active signals can be introduced by connecting the transmitter to the line at accessible locations or by induction.

The detection of underground utilities is affected by the composition and construction of the line in question. Utilities detectable with standard line location techniques include any continuously connected metal pipes, cables/wires or utilities with tracer wires. Unless the utilities carry a passive current, they must be exposed at the surface or in accessible utility vaults. These generally include water, electric, natural gas, telephone, and other conduits related to facility operations. Utilities that are not detectable using standard electromagnetic line location techniques include those made of non-electrically conductive materials such as PVC, fiberglass, vitrified clay, and pipes with insulated connections.

Buried objects can also be detected, without direct contact, by using the induction mode. This is used to detect buried near surface metal objects such as rebar, manhole covers, USTs, and various metallic debris. The induction mode is used by holding the transmitter-receiver unit above the ground and continuously scanning the surface. The unit utilizes two orthogonal coils that are separated by a specified distance. One of the coils transmits an electromagnetic signal (primary magnetic field) which in turn produces a secondary magnetic field about the subsurface metal object. Since the receiver coil is orthogonal to the transmitter coil, it is unaffected by the primary field. Therefore, the secondary magnetic fields produced by buried metal object will generate an audible response from the unit. The peak of this response indicates when the unit is directly over the metal object.

Instrumentation

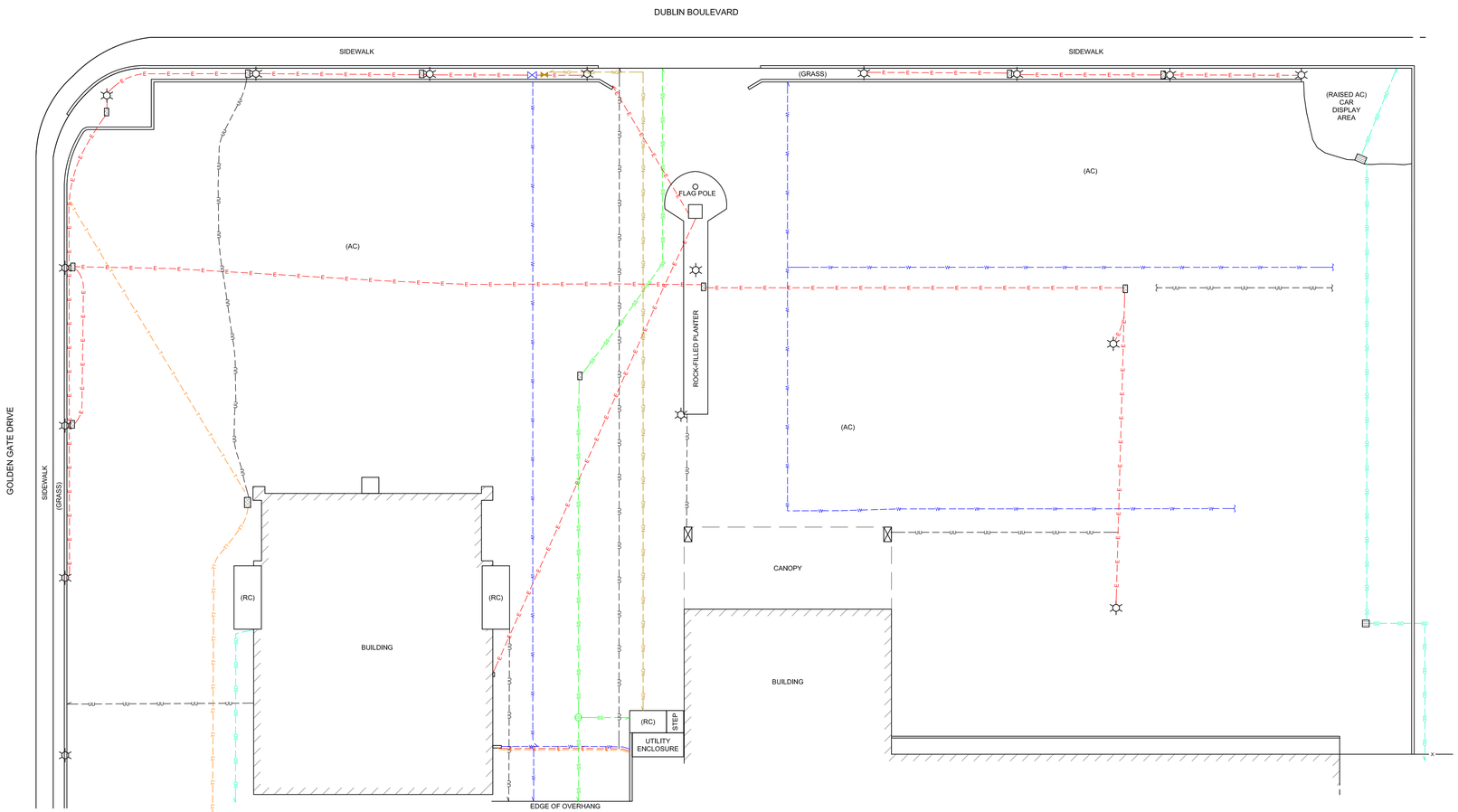
The instrumentation typically used for the EMLL survey consists of a Radio Detection RD-4000 and a Fisher TW-6 inductive pipe and cable locator.

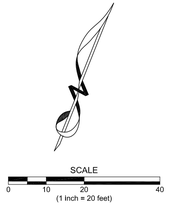
Data Analysis

The EMLL instrumentation indicates the presence of buried metal by emitting an audible tone; there are no recorded data to analyze. Therefore, the locations of buried objects detected with the EMLL method are marked on the ground surface during the survey.

Limitations

The detection of underground utilities is dependent upon the composition and construction of the line of interest, as well as depth. Utilities detectable with standard line location techniques include any continuously connected metal pipes, cables/wires or utilities with tracer wires. Unless carrying a passive current these utilities must be exposed at the surface or accessible in utility vaults. These generally include water, electric, natural gas, telephone, and other conduits related to facility operations. Utilities that may not be detectable using standard electromagnetic line location techniques include certain abandoned utilities, utilities not exposed at the ground surface, or those made of non-electrically conductive materials such as PVC, fiberglass, vitrified clay, and metal pipes with insulating joints. Pipes generally deeper than about five to seven feet may not be detected.





LEGEND

—E—	ELECTRIC LINE
—NG—	NATURAL GAS LINE
—SS—	SANITARY SEWER LINE
—SD—	STORM DRAIN LINE
—T—	TELECOMMUNICATIONS LINE
—?T—	SUSPECTED TELECOMMUNICATIONS LINE
—U—	UNDIFFERENTIATED UTILITY LINE
—W—	WATER LINE
—X—	FENCE
⊢—	APPARENT UTILITY LINE TERMINATION
—→	SUSPECTED UTILITY LINE CONTINUATION BEYOND DETECTED LOCATION
☼	LIGHT STANDARD
⋈	NATURAL GAS VALVE
⊙	SANITARY SEWER CLEANOUT
▨	STORM DRAIN CATCH BASIN
⊠	SUPPORT COLUMN
▯	UTILITY VAULT
⋈	WATER VALVE
(AC)	ASPHALT
(RC)	REINFORCED CONCRETE

NORCAL

GEOPHYSICAL SURVEY MAP
7544 DUBLIN BOULEVARD

LOCATION: DUBLIN, CALIFORNIA

CLIENT: AMEC

JOB #: 12-325.71

NORCAL GEOPHYSICAL CONSULTANTS INC.

DATE: OCT. 2012

DRAWN BY: G.RANDALL

APPROVED BY: AGB

PLATE 1

APPENDIX I

Environmental Data Resources, Inc. Report

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard
Dublin, CA 94568

Inquiry Number: 3389904.2s
August 15, 2012

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7544 DUBLIN BOULEVARD
DUBLIN, CA 94568

COORDINATES

Latitude (North):	37.7035000 - 37˚ 42' 12.60''
Longitude (West):	121.9286000 - 121˚ 55' 42.96''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	594447.2
UTM Y (Meters):	4173253.8
Elevation:	345 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37121-F8 DUBLIN, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
CROWN CHEVROLET BODY SHOP 7544 DUBLIN BLVD DUBLIN, CA 94568	RCRA-SQG FINDS LUST Status: Open - Site Assessment Alameda County CS HIST UST SWEEPS UST HAZNET EMI	CAD981638968
FACILITY 01-000-009907 7544 DUBLIN BLVD. DUBLIN, CA 94568	UST	N/A
CROWN CHEVEROLET CO. 7544 DUBLIN BLVD. DUBLIN, CA 94568	HAZNET	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
WMUDS/SWAT ---------- Waste Management Unit Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ---------- Clandestine Drug Labs
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
CDL ---------- Clandestine Drug Labs
US HIST CDL ---------- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ---------- Facility Inventory Database

Local Land Records

LIENS 2 ---------- CERCLA Lien Information
LUCIS ---------- Land Use Control Information System
LIENS ---------- Environmental Liens Listing
DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing

MCS	Military Cleanup Sites Listing

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
CA BOND EXP. PLAN	Bond Expenditure Plan
WDS	Waste Discharge System
UIC	UIC Listing
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Sleam-Electric Plan Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing
FINANCIAL ASSURANCE	Financial Assurance Information Listing
2020 COR ACTION	2020 Corrective Action Program List
PRP	Potentially Responsible Parties
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
PCB TRANSFORMER	PCB Transformer Registration Database
PROC	Certified Processors Database
MWMP	Medical Waste Management Program Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/15/2012 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
T0328	7200 AMADOR PLAZA RD	N 1/8 - 1/4 (0.207 mi.)	E21	63

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/15/2012 has revealed that there are 4 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
STONERIDGE CHRYSLER PLYMOUTH	***6701 AMADOR PLAZA RD***	***E 0 - 1/8 (0.051 mi.)***	***12***	***38***
DUBLIN AUTO	***6429 GOLDEN GATE DR***	***SSE 0 - 1/8 (0.105 mi.)***	***C17***	***47***
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***
TARGET STORE NO 0328	7200 AMADOR PLAZA RD	N 1/8 - 1/4 (0.207 mi.)	E22	66

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/15/2012 has revealed that there is

EXECUTIVE SUMMARY

1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAND AUTO, INC	***7100 REGIONAL ST***	***W 1/8 - 1/4 (0.249 mi.)***	***F25***	***70***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 06/13/2012 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CROW CANYON CLEANERS Status: Inactive - Needs Evaluation	***7272 SAN RAMON ROAD***	***W 1/4 - 1/2 (0.395 mi.)***	***L48***	***113***
HEXCEL CORP Status: Inactive - Needs Evaluation	***11711 DUBLIN BLVD***	***WSW 1/2 - 1 (0.658 mi.)***	***59***	***144***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NUCLEPORE CORP Status: Refer: Local Agency	***7035 COMMERCE CIRCLE***	***SE 1/2 - 1 (0.640 mi.)***	***57***	***135***
PHOSITOR TECHNOLOGIES Status: Inactive - Needs Evaluation	***7079 COMMERCE CIR***	***ESE 1/2 - 1 (0.646 mi.)***	***58***	***141***
CLOROX TECHNICAL CENTER, THE Status: No Further Action	***7200 JOHNSON DRIVE***	***SE 1/2 - 1 (0.759 mi.)***	***60***	***145***
AMERICAN XTAL TECHNOLOGY Status: Refer: Other Agency	6780 SIERRA CT #1	ENE 1/2 - 1 (0.848 mi.)	62	148

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/14/2012 has revealed that there are 27 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRBORNE EXPRESS-CCC Status: Completed - Case Closed	***6700 GOLDEN GATE DR***	***S 0 - 1/8 (0.004 mi.)***	***4***	***21***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTGOMERY WARDS	***7575 DUBLIN***	***NW 0 - 1/8 (0.013 mi.)***	***5***	***23***
Status: Completed - Case Closed				
DUBLIN RETAIL CENTER	***7900 DUBLIN***	***WSW 1/4 - 1/2 (0.251 mi.)***	***F27***	***76***
Status: Completed - Case Closed				
EXXON #7-0210	***7840 AMADOR VALLEY RD.***	***WNW 1/4 - 1/2 (0.325 mi.)***	***G32***	***84***
Status: Completed - Case Closed				
Status: Completed - Case Closed				
DUBLIN VALERO INC	***7840 AMADOR VALLEY BLVD***	***WNW 1/4 - 1/2 (0.325 mi.)***	***G33***	***87***
AMADOR VALLEY MEDICAL CLINIC	***7667 AMADOR VALLEY***	***NW 1/4 - 1/2 (0.334 mi.)***	***H34***	***90***
Status: Completed - Case Closed				
UNOCAL #7176 SIMON MUI	***7850 AMADOR VALLEY BLVD***	***WNW 1/4 - 1/2 (0.336 mi.)***	***G37***	***95***
CONOCO PHILLIPS # 257176	***7850 AMADOR VALLEY***	***WNW 1/4 - 1/2 (0.336 mi.)***	***G38***	***98***
Status: Open - Verification Monitoring				
TARGET STORE INC	***7608 AMADOR VALLEY***	***NW 1/4 - 1/2 (0.338 mi.)***	***39***	***101***
Status: Completed - Case Closed				
CHEVRON #9-5542	***7007 SAN RAMON***	***WSW 1/4 - 1/2 (0.373 mi.)***	***K44***	***109***
Status: Open - Site Assessment				
CHEVRON	7007 SAN RAMON RD	WSW 1/4 - 1/2 (0.373 mi.)	K45	111
SHELL #13-5243	***11989 DUBLIN***	***WSW 1/4 - 1/2 (0.398 mi.)***	***K49***	***116***
Status: Completed - Case Closed				
UNOCAL SERVICE STATION #5901	***11976 DUBLIN BLVD***	***WSW 1/4 - 1/2 (0.415 mi.)***	***K52***	***130***
Status: Completed - Case Closed				
DOUGHERTY REGIONAL FIRE	***7494 DONAHUE***	***NNW 1/4 - 1/2 (0.432 mi.)***	***N55***	***133***
Status: Completed - Case Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***
Status: Completed - Case Closed				
CHEVRON #9-2582	***7240 DUBLIN***	***NE 0 - 1/8 (0.070 mi.)***	***B14***	***40***
Status: Open - Remediation				
INTERNATIONAL CLINICAL LAB-WES	***6511 GOLDEN GATE DR***	***S 0 - 1/8 (0.076 mi.)***	***C16***	***44***
Status: Open - Verification Monitoring				
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***
Status: Completed - Case Closed				
CONTINENTAL BAKING COMPANY	***6841 VILLAGE***	***NE 1/4 - 1/2 (0.252 mi.)***	***28***	***77***
Status: Completed - Case Closed				
CORWOOD CARWASH	***6973 VILLAGE***	***NNE 1/4 - 1/2 (0.276 mi.)***	***29***	***79***
Status: Completed - Case Closed				
Status: Open - Site Assessment				
LUCKY STORE	***6300 CLARK AVE***	***E 1/4 - 1/2 (0.334 mi.)***	***36***	***92***
Status: Completed - Case Closed				
DUTCH PRIDE DAIRY	***7400 AMADOR VALLEY***	***N 1/4 - 1/2 (0.357 mi.)***	***I41***	***103***
Status: Completed - Case Closed				
DUTCH PRIDE DAIRY	7400 AMADOR VALLEY BLVD	N 1/4 - 1/2 (0.357 mi.)	I42	104
SHELL / OIL CHANGERS #301	***7194 VILLAGE***	***NNE 1/4 - 1/2 (0.363 mi.)***	***J43***	***104***
Status: Completed - Case Closed				
BP #11116	***7197 VILLAGE***	***NNE 1/4 - 1/2 (0.376 mi.)***	***J46***	***111***
Status: Completed - Case Closed				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL SS#5366 Status: Completed - Case Closed	***7375 AMADOR VALLEY BLVD***	***N 1/4 - 1/2 (0.402 mi.)***	***50***	***122***
BP WEST COAST PRODUCTS LLC 604 Status: Open - Verification Monitoring	***7249 VILLAGE PKWY***	***NNE 1/4 - 1/2 (0.412 mi.)***	***J51***	***125***

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 06/14/2012 has revealed that there are 5 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AUTO PARTS STORE Facility Status: Completed - Case Closed	***7100 REGIONAL***	***W 1/8 - 1/4 (0.249 mi.)***	***F26***	***75***
CROW CANYON CLEANERS Facility Status: Open - Inactive	7242 SAN RAMON ROAD	W 1/4 - 1/2 (0.389 mi.)	L47	113
CROW CANYON CLEANERS Facility Status: Open - Site Assessment	***7272 SAN RAMON ROAD***	***W 1/4 - 1/2 (0.395 mi.)***	***L48***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC Facility Status: Open - Site Assessment	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***
VILLAGE PARKWAY SHOPPING CENTE Facility Status: Open - Verification Monitoring	***7054-7150 VILLAGE PARKW***	***NNE 1/4 - 1/2 (0.297 mi.)***	***31***	***83***

Alameda County CS: A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

A review of the Alameda County CS list, as provided by EDR, and dated 04/03/2012 has revealed that there are 25 Alameda County CS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRBORNE EXPRESS-CCC	***6700 GOLDEN GATE DR***	***S 0 - 1/8 (0.004 mi.)***	***4***	***21***
MONTGOMERY WARDS	***7575 DUBLIN***	***NW 0 - 1/8 (0.013 mi.)***	***5***	***23***
AUTO PARTS STORE	***7100 REGIONAL***	***W 1/8 - 1/4 (0.249 mi.)***	***F26***	***75***
DUBLIN RETAIL CENTER	***7900 DUBLIN***	***WSW 1/4 - 1/2 (0.251 mi.)***	***F27***	***76***
EXXON #7-0210	***7840 AMADOR VALLEY RD.***	***WNW 1/4 - 1/2 (0.325 mi.)***	***G32***	***84***
AMADOR VALLEY MEDICAL CLINIC	7667 AMADOR VALLEY BLVD	NW 1/4 - 1/2 (0.334 mi.)	H35	92
CONOCO PHILLIPS # 257176	***7850 AMADOR VALLEY***	***WNW 1/4 - 1/2 (0.336 mi.)***	***G38***	***98***
TARGET STORE INC	***7608 AMADOR VALLEY***	***NW 1/4 - 1/2 (0.338 mi.)***	***39***	***101***
CHEVRON #9-5542	***7007 SAN RAMON***	***WSW 1/4 - 1/2 (0.373 mi.)***	***K44***	***109***
CROW CANYON CLEANERS	***7272 SAN RAMON ROAD***	***W 1/4 - 1/2 (0.395 mi.)***	***L48***	***113***
SHELL #13-5243	***11989 DUBLIN***	***WSW 1/4 - 1/2 (0.398 mi.)***	***K49***	***116***
UNOCAL SERVICE STATION #5901	***11976 DUBLIN BLVD***	***WSW 1/4 - 1/2 (0.415 mi.)***	***K52***	***130***
DOUGHERTY REGIONAL FIRE	***7494 DONAHUE***	***NNW 1/4 - 1/2 (0.432 mi.)***	***N55***	***133***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON #9-2582	***7240 DUBLIN***	***NE 0 - 1/8 (0.070 mi.)***	***B14***	***40***
INTERNATIONAL CLINICAL LAB-WES	***6511 GOLDEN GATE DR***	***S 0 - 1/8 (0.076 mi.)***	***C16***	***44***
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***
CONTINENTAL BAKING COMPANY	***6841 VILLAGE***	***NE 1/4 - 1/2 (0.252 mi.)***	***28***	***77***
CORWOOD CARWASH	***6973 VILLAGE***	***NNE 1/4 - 1/2 (0.276 mi.)***	***29***	***79***
LUCKY STORE	***6300 CLARK AVE***	***E 1/4 - 1/2 (0.334 mi.)***	***36***	***92***
DUTCH PRIDE DAIRY	***7400 AMADOR VALLEY***	***N 1/4 - 1/2 (0.357 mi.)***	***I41***	***103***
SHELL / OIL CHANGERS #301	***7194 VILLAGE***	***NNE 1/4 - 1/2 (0.363 mi.)***	***J43***	***104***
BP #11116	***7197 VILLAGE***	***NNE 1/4 - 1/2 (0.376 mi.)***	***J46***	***111***
UNOCAL SS#5366	***7375 AMADOR VALLEY BLVD***	***N 1/4 - 1/2 (0.402 mi.)***	***50***	***122***
BP WEST COAST PRODUCTS LLC 604	***7249 VILLAGE PKWY***	***NNE 1/4 - 1/2 (0.412 mi.)***	***J51***	***125***

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 07/19/2012 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FACILITY 01-000-502066	DUBLIN BLVD. & AMADOR P	NE 0 - 1/8 (0.023 mi.)	B6	25
SAFEWAY #1953 (CUPA)	7497 DUBLIN BLVD	NE 0 - 1/8 (0.030 mi.)	B8	32
CHEVRON	***7240 DUBLIN BLVD.***	***ENE 1/8 - 1/4 (0.212 mi.)***	***23***	***68***

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 06/13/2012 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CROW CANYON CLEANERS	***7272 SAN RAMON ROAD***	***W 1/4 - 1/2 (0.395 mi.)***	***L48***	***113***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/11/2012 has revealed that there is 1

SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOMRA PACIFIC INC	7333 REGIONAL ST	WNW 1/4 - 1/2 (0.295 mi.)	30	82

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAND AUTO, INC	***7100 REGIONAL ST***	***W 1/8 - 1/4 (0.249 mi.)***	***F25***	***70***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***
DUBLIN-MONTGOMERY WARD	***6900 AMADOR PLAZA RD***	***NNE 0 - 1/8 (0.051 mi.)***	***B9***	***32***
DUBLIN	***6900 AMADOR PLAZA RD***	***NNE 0 - 1/8 (0.051 mi.)***	***B10***	***35***
MONTGOMERY WARD	6900 AMADOR PLAZA RD	NNE 0 - 1/8 (0.051 mi.)	B11	37
92582	7420 DUBLIN BLVD	NE 0 - 1/8 (0.070 mi.)	B15	44
INTERNATIONAL CLINICAL LAB-WES	***6511 GOLDEN GATE DR***	***S 0 - 1/8 (0.076 mi.)***	***C16***	***44***
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAND AUTO, INC	***7100 REGIONAL ST***	***W 1/8 - 1/4 (0.249 mi.)***	***F25***	***70***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***
DUBLIN-MONTGOMERY WARD	***6900 AMADOR PLAZA RD***	***NNE 0 - 1/8 (0.051 mi.)***	***B9***	***32***
CHEVRON #9-2582	***7240 DUBLIN***	***NE 0 - 1/8 (0.070 mi.)***	***B14***	***40***
INTERNATIONAL CLINICAL LAB-WES	***6511 GOLDEN GATE DR***	***S 0 - 1/8 (0.076 mi.)***	***C16***	***44***
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***
CHEVRON	***7240 DUBLIN BLVD.***	***ENE 1/8 - 1/4 (0.212 mi.)***	***23***	***68***

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 03/15/2012 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GALLUCCI BODY & PAINT	***6401 GOLDEN GATE DR***	***SSE 0 - 1/8 (0.114 mi.)***	***C18***	***50***
HOME DEPOT USA HD 1029 EXPO	7050 AMADOR PLAZA RD	N 1/8 - 1/4 (0.128 mi.)	D19	54

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 23 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AIRBORNE EXPRESS-CCC	***6700 GOLDEN GATE DR***	***S 0 - 1/8 (0.004 mi.)***	***4***	***21***
MONTGOMERY WARDS	***7575 DUBLIN***	***NW 0 - 1/8 (0.013 mi.)***	***5***	***23***
TRANSAMERICA TITLE COMPAN	6850 REGIONAL	WSW 1/8 - 1/4 (0.248 mi.)	24	70
DUBLIN VALERO INC	***7840 AMADOR VALLEY BLVD***	***WNW 1/4 - 1/2 (0.325 mi.)***	***G33***	***87***
AMADOR VALLEY MEDICAL CLINIC	***7667 AMADOR VALLEY***	***NW 1/4 - 1/2 (0.334 mi.)***	***H34***	***90***
UNOCAL #7176 SIMON MUI	***7850 AMADOR VALLEY BLVD***	***WNW 1/4 - 1/2 (0.336 mi.)***	***G37***	***95***
CHEVRON #9-5542	***7007 SAN RAMON***	***WSW 1/4 - 1/2 (0.373 mi.)***	***K44***	***109***
SHELL #13-5243	***11989 DUBLIN***	***WSW 1/4 - 1/2 (0.398 mi.)***	***K49***	***116***
UNOCAL SERVICE STATION #5901	***11976 DUBLIN BLVD***	***WSW 1/4 - 1/2 (0.415 mi.)***	***K52***	***130***
DOUGHERTY REGIONAL FIRE A	7494 DONOHUE	NNW 1/4 - 1/2 (0.430 mi.)	N54	133

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHAMROCK FORD INC	***7499 DUBLIN BLVD***	***NNE 0 - 1/8 (0.029 mi.)***	***B7***	***25***
CHEVRON	7420 DUBLIN	NE 0 - 1/8 (0.070 mi.)	B13	39
DUBLIN HONDA	***7099 AMADOR PLAZA RD***	***N 1/8 - 1/4 (0.153 mi.)***	***D20***	***56***
CONTINENTAL BAKING COMPANY	***6841 VILLAGE***	***NE 1/4 - 1/2 (0.252 mi.)***	***28***	***77***
CORWOOD CARWASH	***6973 VILLAGE***	***NNE 1/4 - 1/2 (0.276 mi.)***	***29***	***79***
LUCKY STORE	***6300 CLARK AVE***	***E 1/4 - 1/2 (0.334 mi.)***	***36***	***92***
DUTCH PRIDE DAIRY	***7400 AMADOR VALLEY***	***N 1/4 - 1/2 (0.357 mi.)***	***I41***	***103***
SHELL / OIL CHANGERS #301	***7194 VILLAGE***	***NNE 1/4 - 1/2 (0.363 mi.)***	***J43***	***104***
BP #11116	***7197 VILLAGE***	***NNE 1/4 - 1/2 (0.376 mi.)***	***J46***	***111***
UNOCAL SS#5366	***7375 AMADOR VALLEY BLVD***	***N 1/4 - 1/2 (0.402 mi.)***	***50***	***122***
BP WEST COAST PRODUCTS LLC 604	***7249 VILLAGE PKWY***	***NNE 1/4 - 1/2 (0.412 mi.)***	***J51***	***125***
TARGET	7200 AMADOR VALLEY	NNE 1/4 - 1/2 (0.425 mi.)	M53	133
SHELL	7194 AMADOR VALLEY	NNE 1/4 - 1/2 (0.438 mi.)	M56	135

EXECUTIVE SUMMARY

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 4 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOLLER PROPERTY	5710 FOOTHILL ROAD,	SSW 1/2 - 1 (0.820 mi.)	61	148

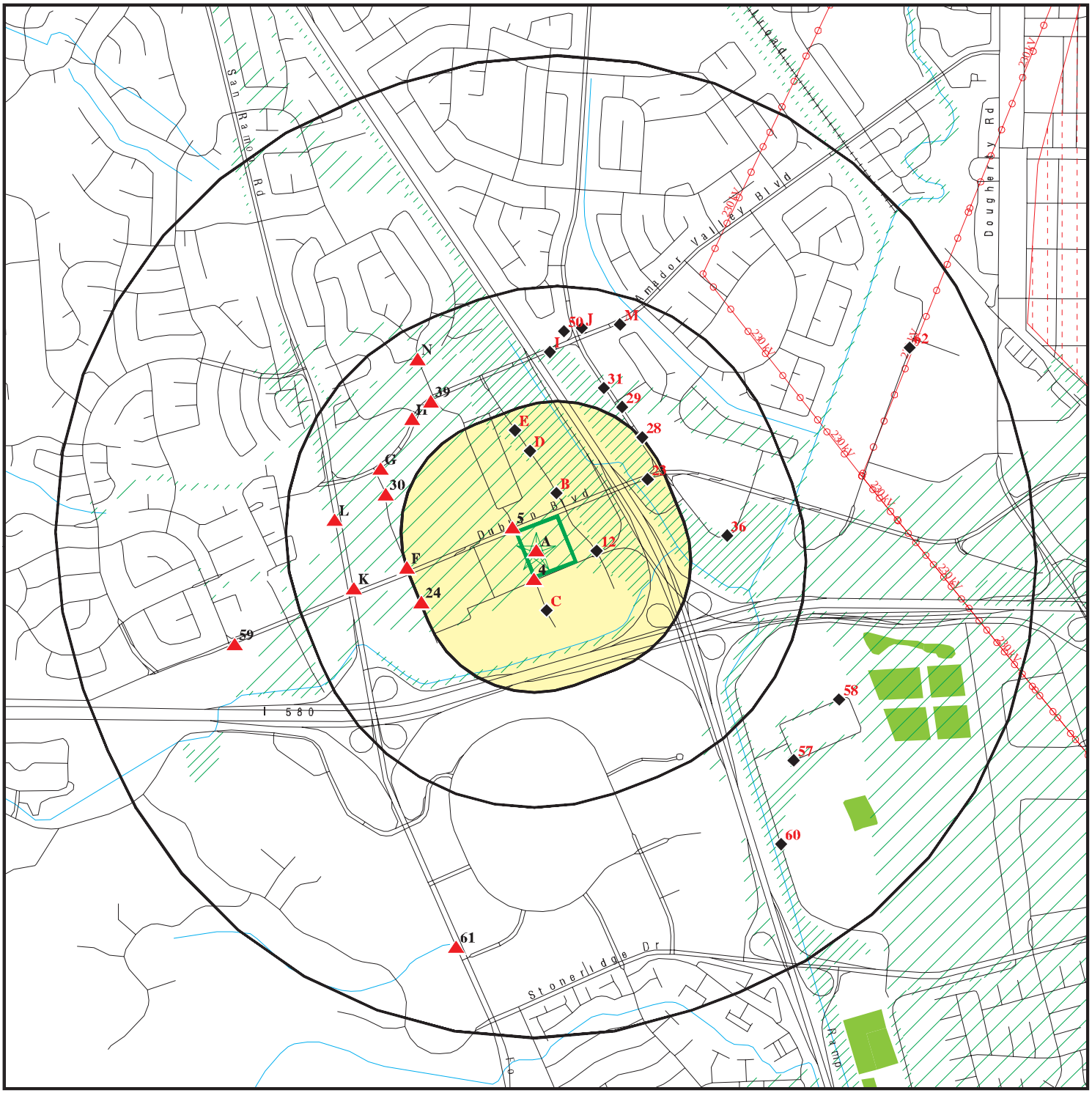
Lower Elevation	Address	Direction / Distance	Map ID	Page
DUTCH PRIDE DAIRY	7400 AMADOR VALLEY BOUL	N 1/4 - 1/2 (0.357 mi.)	I40	102
BP #11116	***7197 VILLAGE***	***NNE 1/4 - 1/2 (0.376 mi.)***	***J46***	***111***
BP WEST COAST PRODUCTS LLC 604	***7249 VILLAGE PKWY***	***NNE 1/4 - 1/2 (0.412 mi.)***	***J51***	***125***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 10 records.

Site Name	Database(s)
SANTA RITA OLD GRAYSTONE	Alameda County CS
PARCEL NO 550-39-3	SLIC, Alameda County CS
BRANN STREET MERCURY	CERCLIS
FEDERAL CORRECTIONS INSTITUTE	AST
TARGET STORE NO 2771	RCRA-SQG
UNKNOWN SHEEN INCIDENT BEHIND ADDR	ERNS
SANTA RITA PROPERTY	SLIC
SANTA FE PACIFIC PIPELINE PARTNERS	SLIC
WARMINGTON HOMES - HANSEN HILLS	SLIC
SANTA RITA PROPERTY	SLIC

OVERVIEW MAP - 3389904.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Crown Chevrolet Cadillac Isuzu	CLIENT: AMEC E&I, Inc.
ADDRESS: 7544 Dublin Boulevard Dublin CA 94568	CONTACT: Susan Panttaja INQUIRY #: 3389904.2s
LAT/LONG: 37.7035 / 121.9286	DATE: August 15, 2012 4:50 pm

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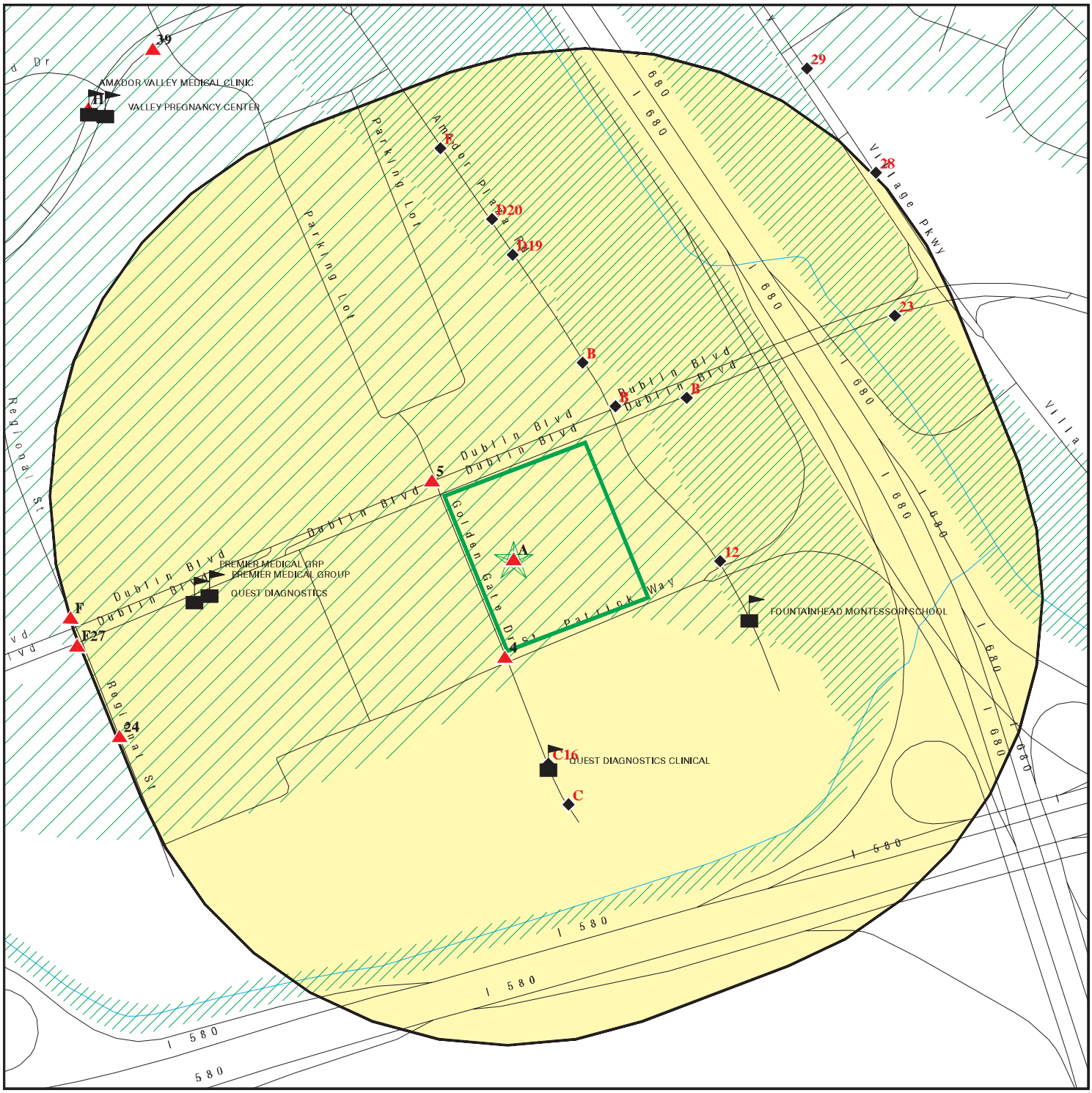
DETAIL MAP - 3389904.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Crown Chevrolet Cadillac Isuzu	CLIENT: AMEC E&I, Inc.
ADDRESS: 7544 Dublin Boulevard Dublin CA 94568	CONTACT: Susan Panttaja INQUIRY #: 3389904.2s
LAT/LONG: 37.7035 / 121.9286	DATE: August 15, 2012 4:51 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250	1	2	2	NR	NR	NR	5
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	5	NR	6
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	5	1	21	NR	NR	28
SLIC	0.500		1	1	3	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Alameda County CS	0.500	1	5	2	18	NR	NR	26
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	2	1	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250	1	6	2	NR	NR	NR	9
SWEEPS UST	0.250	1	4	3	NR	NR	NR	8
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.250		1	1	NR	NR	NR	2
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		4	2	17	NR	NR	23
Notify 65	1.000		0	0	3	1	NR	4
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	2	NR	NR	NR	NR	NR	2
EMI	TP	1	NR	NR	NR	NR	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Historical Auto Stations	0.250		0	0	NR	NR	NR	0
EDR Historical Cleaners	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1	**CROWN CHEVROLET BODY SHOP**	**RCRA-SQG**	**1000437510**
Target	**7544 DUBLIN BLVD**	**FINDS**	**CAD981638968**
Property	**DUBLIN, CA 94568**	**LUST**	
		Alameda County CS	
	Site 1 of 3 in cluster A	**HIST UST**	
		SWEEPS UST	
Actual:		**HAZNET**	
345 ft.		**EMI**	

RCRA-SQG:

Date form received by agency:	02/23/2005
Facility name:	CROWN CHEVROLET INC
Facility address:	7544 DUBLIN BLVD DUBLIN, CA 94568
EPA ID:	CAD981638968
Contact:	VICKI HAYES
Contact address:	7544 DUBLIN BLVD DUBLIN, CA 94568
Contact country:	US
Contact telephone:	925-828-6500
Telephone ext.:	202
Contact email:	VHAYES6198@AOL.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PATRICK COSTELLO
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/03/1986
Owner/Op end date:	Not reported

Owner/operator name:	PATRICK COSTELLO
Owner/operator address:	7544 DUBLIN BLVD DUBLIN, CA 94568
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/03/1983
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/20/1987
Facility name: CROWN CHEVROLET INC
Site name: CROWN CHEVROLET
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002734612

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

LUST:

Region:	STATE
Global Id:	T10000001616
Latitude:	37.7036605784782
Longitude:	-121.928324103355
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	10/23/2009
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	RO0003014
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel, Gasoline, Kerosene, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	A subsurface investigation was conducted in February 2009. Petroleum hydrocarbon contamination was detected in soil and groundwater. Site assessment is underway.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T10000001616
Contact Type:	Local Agency Caseworker
Contact Name:	DILAN ROE
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 Harbor Bay Parkway
City:	ALAMEDA
Email:	dilan.roe@acgov.org
Phone Number:	5105676767

Global Id:	T10000001616
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T10000001616
Action Type:	RESPONSE

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Date: 09/03/2010
Action: Electronic Reporting Submittal Due

Global Id: T10000001616
Action Type: RESPONSE
Date: 11/18/2010
Action: Soil and Water Investigation Report

Global Id: T10000001616
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: Staff Letter - #20110630

Global Id: T10000001616
Action Type: ENFORCEMENT
Date: 01/06/2011
Action: Staff Letter - #20110106

Global Id: T10000001616
Action Type: ENFORCEMENT
Date: 03/24/2010
Action: Staff Letter - #20100324

Global Id: T10000001616
Action Type: RESPONSE
Date: 09/27/2011
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T10000001616
Action Type: RESPONSE
Date: 03/07/2011
Action: Soil and Water Investigation Workplan

Global Id: T10000001616
Action Type: RESPONSE
Date: 03/07/2011
Action: Soil and Water Investigation Report

Global Id: T10000001616
Action Type: RESPONSE
Date: 04/23/2010
Action: Unauthorized Release Form

Global Id: T10000001616
Action Type: RESPONSE
Date: 05/24/2010
Action: Soil and Water Investigation Workplan

Global Id: T10000001616
Action Type: ENFORCEMENT
Date: 08/20/2010
Action: Staff Letter - #20100820

Global Id: T10000001616
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Global Id: T10000001616
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Alameda County CS:
Status: Leak Confirmation
Record Id: RO0003014
Site Contact: KHATRI, PARESH
PE: 5602

Status: Preliminary Site Assessment Underway
Record Id: RO0003014
Site Contact: KHATRI, PARESH
PE: 5602

Status: Pollution Characterization
Record Id: RO0003014
Site Contact: KHATRI, PARESH
PE: 5602

HIST UST:
Region: STATE
Facility ID: 00000009907
Facility Type: Other
Other Type: CAR SALES/SERVICES
Total Tanks: 0002
Contact Name: ROBERT WOOLVERTON
Telephone: 4158286500
Owner Name: CROWN CHEVROLET, INC.
Owner Address: 7544 DUBLIN BLVD.
Owner City,St,Zip: DUBLIN, CA 94568

Tank Num: 001
Container Num: #1 GAS
Year Installed: 1968
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 10 gauge
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2 WASTE O
Year Installed: 1968
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: 10 gauge
Leak Detection: Visual

SWEEPS UST:
Status: A
Comp Number: 9907
Number: 1

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Board Of Equalization:	44-000148
Ref Date:	05-29-92
Act Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	221927
Swrcb Tank Id:	01-000-009907-000001
Actv Date:	05-29-92
Capacity:	1000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	A
Comp Number:	9907
Number:	1
Board Of Equalization:	44-000148
Ref Date:	05-29-92
Act Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	173662
Swrcb Tank Id:	01-000-009907-000002
Actv Date:	05-29-92
Capacity:	1000
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

HAZNET:

Year:	2010
Gepaid:	CAL000338091
Contact:	JENNIFER BURNS
Telephone:	9252608059
Mailing Name:	Not reported
Mailing Address:	PO BOX 2010
Mailing City,St,Zip:	DUBLIN, CA 945680748
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1251
Facility County:	Alameda

Year:	2010
Gepaid:	CAL000338091
Contact:	JENNIFER BURNS
Telephone:	9252608059
Mailing Name:	Not reported
Mailing Address:	PO BOX 2010
Mailing City,St,Zip:	DUBLIN, CA 945680748
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Waste Category: Unspecified solvent mixture
Disposal Method: Solvents Recovery
Tons: 0.054
Facility County: Alameda

Year: 2010
Gepaid: CAL000338091
Contact: JENNIFER BURNS
Telephone: 9252608059
Mailing Name: Not reported
Mailing Address: PO BOX 2010
Mailing City,St,Zip: DUBLIN, CA 945680748
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1251
Facility County: Alameda

Year: 2010
Gepaid: CAL000338091
Contact: JENNIFER BURNS
Telephone: 9252608059
Mailing Name: Not reported
Mailing Address: PO BOX 2010
Mailing City,St,Zip: DUBLIN, CA 945680748
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.834
Facility County: Alameda

Year: 2010
Gepaid: CAL000337533
Contact: MATT MCDERMOTT
Telephone: 9258286500
Mailing Name: Not reported
Mailing Address: 7544 DUBLIN BLVD
Mailing City,St,Zip: DUBLIN, CA 945682902
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.646
Facility County: Alameda

Click this hyperlink while viewing on your computer to access
55 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1987

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1993
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	1

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.903
Reactive Organic Gases Tons/Yr:	2.4733896
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.903
Reactive Organic Gases Tons/Yr:	2.4733896
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.988
Reactive Organic Gases Tons/Yr:	3.481371
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	19680
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.951
Reactive Organic Gases Tons/Yr:	.7888336
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	1
Air Basin:	SF
Facility ID:	3540
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.821
Reactive Organic Gases Tons/Yr:	2.529736
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CROWN CHEVROLET BODY SHOP (Continued) **1000437510**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

A2 Target Property **FACILITY 01-000-009907** **UST** **U004048851**
7544 DUBLIN BLVD. **N/A**
DUBLIN, CA 94568

Site 2 of 3 in cluster A

Actual: 345 ft.

UST:
Facility ID: 01-000-009907
Latitude: 37.70445
Longitude: -121.92835

ALAMEDA CO. UST:
Facility ID: FA0301644
Program Element: 4102
Facility Status: Active
Description: UST - 2
Inspection Date: 10/24/2012
Closed: Not reported
Owner Name: PATRICK COSTELLO

A3 Target Property **CROWN CHEVEROLET CO.** **HAZNET** **S102806318**
7544 DUBLIN BLVD. **N/A**
DUBLIN, CA 94568

Site 3 of 3 in cluster A

Actual: 345 ft.

HAZNET:
Year: 1995
Gepaid: CAD045290335
Contact: CROWN CHEVEROLET CO
Telephone: 4158286500
Mailing Name: Not reported
Mailing Address: 7544 DUBLIN BLVD.
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: 1
TSD EPA ID: NYN200000044
TSD County: 0
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Recycler
Tons: .1719
Facility County: 1

Year: 1995
Gepaid: CAD045290335
Contact: CROWN CHEVEROLET CO
Telephone: 4158286500
Mailing Name: Not reported
Mailing Address: 7544 DUBLIN BLVD.
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: 1
TSD EPA ID: NYN200000044
TSD County: 0
Waste Category: Not reported

CROWN CHEVEROLET CO. (Continued) **S102806318**

Disposal Method: Treatment, Incineration
Tons: .0000
Facility County: 1

4
South
< 1/8
0.004 mi.
21 ft.

AIRBORNE EXPRESS-CCC
6700 GOLDEN GATE DR
DUBLIN, CA 94568

WDS **S103668713**
HIST CORTESE **N/A**
LUST
Alameda County CS
HAZNET

Relative:
Higher

Actual:
346 ft.

CA WDS:

Facility ID:	San Francisco Bay 01I012463
Facility Type:	Not reported
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	2
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	AIRBORNE EXPRESS
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Not reported
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0892

LUST:

Region:	STATE

AIRBORNE EXPRESS-CCC (Continued) **S103668713**

Global Id:	T0600100823
Latitude:	37.700791
Longitude:	-121.930678
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/11/1993
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0892
LOC Case Number:	RO0001150
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100823
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600100823
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100823
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600100823
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 2:

Region:	2
Facility Id:	01-0892
Facility Status:	Case Closed
Case Number:	3731
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	Tank

AIRBORNE EXPRESS-CCC (Continued) **S103668713**

Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/23/1991
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0001150
Site Contact: CHU, EVA
PE: 5602

HAZNET:
Year: 1997
Gepaid: CAC001241912
Contact: CORPORATION
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 9160 NORTH 107TH ST
Mailing City,St,Zip: MILWAUKEE, WI 532240000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: Disposal, Land Fill
Tons: 32.0264
Facility County: 1

5
NW
< 1/8
0.013 mi.
67 ft.

MONTGOMERY WARDS
7575 DUBLIN
DUBLIN, CA 94568

HIST CORTESE **S103472193**
LUST **N/A**
Alameda County CS

Relative:
Higher

Actual:
346 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1014

LUST:
Region: STATE
Global Id: T0600100936
Latitude: 37.704674
Longitude: -121.930533
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/06/1998
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: EC
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1014
LOC Case Number: RO0000584

MONTGOMERY WARDS (Continued) **S103472193**

File Location: Stored electronically as an E-file
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600100936
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
City: ALAMEDA
Email: Not reported
Phone Number: 5105676762

Global Id: T0600100936
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600100936
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100936
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

LUST REG 2:
Region: 2
Facility Id: 01-1014
Facility Status: Case Closed
Case Number: 1054
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 12/2/1988
Pollution Characterization Began: 8/25/1989
Pollution Remediation Plan Submitted: 8/30/1989
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

MONTGOMERY WARDS (Continued) **S103472193**

Status: Case Closed
Record Id: RO0000584
Site Contact: CHU, EVA
PE: 5602

B6
NE
< 1/8
0.023 mi.
121 ft.

FACILITY 01-000-502066 **UST** **U004048911**
DUBLIN BLVD. & AMADOR PLAZA RD. **N/A**
DUBLIN, CA 94568

Site 1 of 9 in cluster B

Relative:
Lower

Actual:
341 ft.

UST:
Facility ID: 01-000-502066
Latitude: 37.70486
Longitude: -121.92749

B7
NNE
< 1/8
0.029 mi.
154 ft.

SHAMROCK FORD INC **HIST CORTESE** **1000303001**
7499 DUBLIN BLVD **LUST** **N/A**
DUBLIN, CA 94568 **SLIC**
Alameda County CS
Site 2 of 9 in cluster B **HIST UST**
SWEEPS UST
CHMIRS
HAZNET
EMI

Relative:
Lower

Actual:
341 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1158

LUST:
Region: STATE
Global Id: T0600101067
Latitude: 37.705271928
Longitude: -121.927199
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/15/1995
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: EC
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1158
LOC Case Number: RO0000780
File Location: Stored electronically as an E-file
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600101067
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU

SHAMROCK FORD INC (Continued) **1000303001**

Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600101067
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600101067
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 2:

Region:	2
Facility Id:	01-1158
Facility Status:	Case Closed
Case Number:	2127
How Discovered:	Tank Closure
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	04/08/2009
Global Id:	T06019709822
Lead Agency:	ALAMEDA COUNTY LOP
Lead Agency Case Number:	RO0002470
Latitude:	37.704866
Longitude:	-121.927484
Case Type:	Cleanup Program Site
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
File Location:	Stored electronically as an E-file
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

SHAMROCK FORD INC (Continued) **1000303001**

Click here to access the California GeoTracker records for this facility:

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000780
Site Contact:	CHU, EVA
PE:	5602

Status:	Pollution Characterization
Record Id:	RO0002470
Site Contact:	KHATRI, PARESH
PE:	5502

Status:	Verificaiton Monitoring Underway
Record Id:	RO0002470
Site Contact:	KHATRI, PARESH
PE:	5502

HIST UST:

Region:	STATE
Facility ID:	00000008574
Facility Type:	Other
Other Type:	AUTO DEALERSHIP
Total Tanks:	0002
Contact Name:	JAMES B. WOULFE
Telephone:	4158295211
Owner Name:	SHAMROCK FORD INC.
Owner Address:	7499 DUBLIN BLVD
Owner City,St,Zip:	DUBLIN, CA 94568

Tank Num:	001
Container Num:	#1
Year Installed:	1977
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	#2
Year Installed:	1974
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None

SWEEPS UST:

Status:	Not reported
Comp Number:	8574
Number:	Not reported
Board Of Equalization:	44-000118
Ref Date:	Not reported
Act Date:	Not reported

SHAMROCK FORD INC (Continued) **1000303001**

Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-008574-000001
Actv Date:	Not reported
Capacity:	2000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	8574
Number:	Not reported
Board Of Equalization:	44-000118
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-008574-000002
Actv Date:	Not reported
Capacity:	1000
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

CHMIRS:

OES Incident Number:	05-3207
OES notification:	5/28/200508:00:15 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

SHAMROCK FORD INC (Continued) **1000303001**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Veeder Root
Incident Date:	5/28/200512:00:00 AM
Admin Agency:	Alameda County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	5
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Customer was filling a Uhaul truck and the fuel tank on the truck leaked.

HAZNET:

Year:	2004
Gepaid:	CAL000221496
Contact:	SHARON PLOUFFE
Telephone:	9252265097
Mailing Name:	Not reported
Mailing Address:	4410 ROSEWOOD DR
Mailing City,St,Zip:	PLEASANTON, CA 945880000
Gen County:	Alameda

SHAMROCK FORD INC (Continued) **1000303001**

TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 0
Facility County: Not reported

Year: 2003
Gepaid: CAL000221496
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: CAD982444481
TSD County: Alameda
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.22
Facility County: 1

Year: 2003
Gepaid: CAL000221496
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: KYD053348108
TSD County: Alameda
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Tons: 0.15
Facility County: 1

Year: 2003
Gepaid: CAL000221496
Contact: SHARON PLOUFFE
Telephone: 9252265097
Mailing Name: Not reported
Mailing Address: 4410 ROSEWOOD DR
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: CAD028409019
TSD County: Alameda
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.01
Facility County: 1

Year: 2002
Gepaid: CAL000221496
Contact: SHARON PLOUFFE
Telephone: 9254673097
Mailing Name: Not reported

SHAMROCK FORD INC (Continued) **1000303001**

Mailing Address:	5918 STONERIDGE MALL RD
Mailing City,St,Zip:	PLEASANTON, CA 945880000
Gen County:	Alameda
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.20
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
49 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1987
County Code:	1
Air Basin:	SF
Facility ID:	3497
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	1
Air Basin:	SF
Facility ID:	3497
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	1
Air Basin:	SF
Facility ID:	3497
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

SHAMROCK FORD INC (Continued) **1000303001**

Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	3497
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

B8 **SAFEWAY #1953 (CUPA)** **UST** **U003911909**
NE **7497 DUBLIN BLVD** **N/A**
< 1/8 **DUBLIN, CA**
0.030 mi.
158 ft. **Site 3 of 9 in cluster B**

Relative:
Lower

Actual:
341 ft.

ALAMEDA CO. UST:

Facility ID:	FA0303664
Program Element:	4103
Facility Status:	Active
Description:	UST - 3
Inspection Date:	01/06/2012
Closed:	Not reported
Owner Name:	SAFEWAY INC

B9 **DUBLIN-MONTGOMERY WARD** **HIST UST** **U001597999**
NNE **6900 AMADOR PLAZA RD** **SWEEPS UST** **N/A**
< 1/8 **DUBLIN, CA 94566**
0.051 mi.
268 ft. **Site 4 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

HIST UST:

Region:	STATE
Facility ID:	00000063278
Facility Type:	Other
Other Type:	RETAIL DEPT. STORE
Total Tanks:	0004
Contact Name:	WEESE, LARRY
Telephone:	4158288310
Owner Name:	MONTGOMERY WARD
Owner Address:	ONE MONTGOMERY WARD PLAZA

DUBLIN-MONTGOMERY WARD (Continued) **U001597999**

Owner City,St,Zip: CHICAGO, IL 60671

Tank Num: 001
Container Num: 3-2571P
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2 2571 UL
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 12571-R
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4 2571 D
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Not reported
Comp Number: 63278
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-063278-000001
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported

DUBLIN-MONTGOMERY WARD (Continued) **U001597999**

Comp Number:	63278
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-063278-000002
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	63278
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-063278-000003
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	63278
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-063278-000004
Actv Date:	Not reported
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported

B10 NNE < 1/8 0.051 mi. 268 ft. | **DUBLIN**
6900 AMADOR PLAZA RD
DUBLIN, CA 94566

Site 5 of 9 in cluster B

HIST UST **U001597998**
HAZNET **N/A**

Relative: Lower

Actual: 342 ft.

HIST UST:

Region:	STATE
Facility ID:	00000021184
Facility Type:	Other
Other Type:	RETAIL DEPT. STORE
Total Tanks:	0004
Contact Name:	LARRY WEESE
Telephone:	4158288310
Owner Name:	MONTGOMERY WARD
Owner Address:	ONE MONTGOMERY WARD PLAZA
Owner City,St,Zip:	CHICAGO, IL 60671

Tank Num:	001
Container Num:	2571
Year Installed:	1980
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	Visual

Tank Num:	002
Container Num:	3-2571P
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	003
Container Num:	2-2571UL
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor

Tank Num:	004
Container Num:	1-2571R
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Visual, Stock Inventor

HAZNET:

Year:	2003
Gepaid:	CAC002560615
Contact:	BILL DAVIS
Telephone:	5106705223

DUBLIN (Continued) **U001597998**

Mailing Name: Not reported
Mailing Address: 6900 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Alameda
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 0.52
Facility County: 1

Year: 2003
Gepaid: CAC002560615
Contact: BILL DAVIS
Telephone: 5106705223
Mailing Name: Not reported
Mailing Address: 6900 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Alameda
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 4.58
Facility County: 1

Year: 2003
Gepaid: CAC002560615
Contact: BILL DAVIS
Telephone: 5106705223
Mailing Name: Not reported
Mailing Address: 6900 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: Alameda
TSD EPA ID: CAD008488025
TSD County: Alameda
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Recycler
Tons: 0.01
Facility County: 1

Year: 2003
Gepaid: CAC002560615
Contact: BILL DAVIS
Telephone: 5106705223
Mailing Name: Not reported
Mailing Address: 6900 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: Alameda
TSD EPA ID: NVT330010000
TSD County: Alameda
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.1
Facility County: 1

Year: 2003

DUBLIN (Continued) **U001597998**

Gepaid:	CAC002560615
Contact:	BILL DAVIS
Telephone:	5106705223
Mailing Name:	Not reported
Mailing Address:	6900 AMADOR PLAZA RD
Mailing City,St,Zip:	DUBLIN, CA 945680000
Gen County:	Alameda
TSD EPA ID:	CAT080033681
TSD County:	Alameda
Waste Category:	Other organic solids
Disposal Method:	Not reported
Tons:	1.03
Facility County:	1

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

B11 **MONTGOMERY WARD** **HIST UST** **U001598178**
NNE **6900 AMADOR PLAZA RD** **N/A**
< 1/8 **DUBLIN, CA 94568**
0.051 mi.
268 ft. **Site 6 of 9 in cluster B**

Relative:
Lower

Actual:
342 ft.

HIST UST:

Region:	STATE
Facility ID:	00000024946
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	4158333361
Owner Name:	MONTGOMERY WARD
Owner Address:	6900 AMADOR PLAZA RD
Owner City,St,Zip:	DUBLIN, CA 94568
Tank Num:	001
Container Num:	1
Year Installed:	1980
Tank Capacity:	00000630
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	3/4 inches
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	3/4 inches
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1980
Tank Capacity:	00010000
Tank Used for:	PRODUCT

MONTGOMERY WARD (Continued) **U001598178**

Type of Fuel: REGULAR
Tank Construction: 3/4 inches
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1980
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 3/4 inches
Leak Detection: Stock Inventor

---

12 East < 1/8 0.051 mi. 269 ft.

STONERIDGE CHRYSLER PLYMOUTH
6701 AMADOR PLAZA RD
DUBLIN, CA 94568

RCRA-SQG **1004677132**
FINDS **CAR000093583**

Relative: Lower

Actual: 340 ft.

RCRA-SQG:
Date form received by agency: 03/20/2001
Facility name: STONERIDGE CHRYSLER PLYMOUTH
Facility address: 6701 AMADOR PLAZA RD
DUBLIN, CA 94568
EPA ID: CAR000093583
Contact: K C STOUFFER
Contact address: 6701 AMADOR PLAZA RD
DUBLIN, CA 94568
Contact country: US
Contact telephone: (925) 463-1121
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ERIC STRICKLAND
Owner/operator address: 6701 AMADOR PLAZA RD
DUBLIN, CA 94568
Owner/operator country: Not reported
Owner/operator telephone: (925) 463-1121
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

STONERIDGE CHRYSLER PLYMOUTH (Continued) **1004677132**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Violation Status:	No violations found

FINDS:

Registry ID: 110012197041

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

B13 **CHEVRON** **HIST CORTESE** **S110060593**
NE **7420 DUBLIN** **N/A**
< 1/8 **DUBLIN, CA 94568**
0.070 mi.
371 ft. **Site 7 of 9 in cluster B**

Relative:
Lower

Actual:
338 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0386

B14 NE < 1/8 0.070 mi. 371 ft. | **CHEVRON #9-2582 7240 DUBLIN DUBLIN, CA 94568** | **LUST Alameda County CS SWEEPS UST EMI** | **1006382107 N/A**

Site 8 of 9 in cluster B

Relative: Lower

Actual: 338 ft.

LUST:

Region:	STATE
Global Id:	T0600100355
Latitude:	37.7056595905349
Longitude:	-121.923860907555
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	01/16/2009
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
LOC Case Number:	RO0000304
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Three USTs were removed from the site in 1989. Several subsurface investigations were conducted including monitoring well installations. In 2006, a pilot test was conducted with results that indicate that DPE is a viable remediation technology. A corrective action plan has been approved in January 2009.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100355
Contact Type:	Local Agency Caseworker
Contact Name:	DILAN ROE
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 Harbor Bay Parkway
City:	ALAMEDA
Email:	dilan.roe@acgov.org
Phone Number:	5105676767

Global Id:	T0600100355
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100355
Action Type:	ENFORCEMENT
Date:	01/16/2009
Action:	Technical Correspondence / Assistance / Other - #20090116

Global Id:	T0600100355
Action Type:	RESPONSE
Date:	05/18/2009
Action:	Clean Up Fund - 5-Year Review Summary

CHEVRON #9-2582 (Continued) **1006382107**

Global Id: T0600100355
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600100355
Action Type: RESPONSE
Date: 09/15/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0600100355
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600100355
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100355
Action Type: RESPONSE
Date: 07/30/2011
Action: Remedial Progress Report

Global Id: T0600100355
Action Type: RESPONSE
Date: 01/30/2011
Action: Remedial Progress Report

Global Id: T0600100355
Action Type: RESPONSE
Date: 04/30/2011
Action: Remedial Progress Report

Global Id: T0600100355
Action Type: RESPONSE
Date: 10/30/2010
Action: Remedial Progress Report

Global Id: T0600100355
Action Type: ENFORCEMENT
Date: 05/27/2010
Action: Staff Letter - #20100527

Global Id: T0600100355
Action Type: REMEDIATION
Date: 01/01/1950
Action: Other (Use Description Field)

Global Id: T0600100355
Action Type: ENFORCEMENT
Date: 01/16/2009
Action: Notification - Public Participation Document - #20090116

CHEVRON #9-2582 (Continued) **1006382107**

LUST REG 2:

Region:	2
Facility Id:	01-0386
Facility Status:	Pollution Characterization
Case Number:	RO0000304
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	5/18/1989
Pollution Characterization Began:	6/29/1998
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Alameda County CS:

Status:	Pollution Characterization
Record Id:	RO0000304
Site Contact:	KHATRI, PARESH
PE:	5602

SWEEPS UST:

Status:	A
Comp Number:	62287
Number:	1
Board Of Equalization:	44-000654
Ref Date:	07-19-91
Act Date:	07-19-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	01-000-062287-000001
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	P
Content:	Not reported
Number Of Tanks:	3

Status:	A
Comp Number:	62287
Number:	1
Board Of Equalization:	44-000654
Ref Date:	07-19-91
Act Date:	07-19-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	2
Swrcb Tank Id:	01-000-062287-000002
Actv Date:	07-01-85
Capacity:	6000
Tank Use:	UNKNOWN
Stg:	P
Content:	Not reported

CHEVRON #9-2582 (Continued) **1006382107**

Number Of Tanks:	Not reported

Status:	A
Comp Number:	62287
Number:	1
Board Of Equalization:	44-000654
Ref Date:	07-19-91
Act Date:	07-19-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	01-000-062287-000003
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	UNKNOWN
Stg:	P
Content:	Not reported
Number Of Tanks:	Not reported

EMI:

Year:	1993
County Code:	1
Air Basin:	SF
Facility ID:	7183
Air District Name:	BA
SIC Code:	2911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	7183
Air District Name:	BA
SIC Code:	2911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

B15 NE < 1/8 0.070 mi. 371 ft. | **92582**
7420 DUBLIN BLVD
DUBLIN, CA 94568
Site 9 of 9 in cluster B | **HIST UST** | **U001598168** **N/A**

Relative: Lower

Actual: 338 ft.

HIST UST:

Region:	STATE
Facility ID:	00000062287
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	DEJONG, GARY K
Telephone:	4158282765
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Tank Num:	001
Container Num:	1
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1973
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor

C16 South < 1/8 0.076 mi. 402 ft. | **INTERNATIONAL CLINICAL LAB-WES**
6511 GOLDEN GATE DR
DUBLIN, CA 94568
Site 1 of 3 in cluster C | **LUST**
Alameda County CS
HIST UST
SWEEPS UST | **U001598176** **N/A**

Relative: Lower

Actual: 344 ft.

LUST:

Region:	STATE
Global Id:	T06019799610
Latitude:	37.7020392594662
Longitude:	-121.927771568298
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	03/13/2009
Lead Agency:	ALAMEDA COUNTY LOP

INTERNATIONAL CLINICAL LAB-WES (Continued) **U001598176**

Case Worker:	TLK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
LOC Case Number:	RO0002860
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	One 2,000-gallon gasoline underground storage tanks were removed from the site in circa 1989. A Phase II Site Investigation was conducted at the site in December 2003 through January 2004. Groundwater impact was detected from previous release of diesel fuel. Four groundwater monitoring wells were installed in January 2009. Groundwater monitoring is currently being conducted at the site.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T06019799610
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T06019799610
Contact Type:	Local Agency Caseworker
Contact Name:	TEENA LE KHAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 Harbor Bay Pkwy
City:	ALAMEDA
Email:	teena.lekhan@acgov.org
Phone Number:	5105676772

LUST:

Global Id:	T06019799610
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Global Id:	T06019799610
Action Type:	ENFORCEMENT
Date:	07/27/2009
Action:	Staff Letter - #20090727

Global Id:	T06019799610
Action Type:	ENFORCEMENT
Date:	04/16/2009
Action:	Technical Correspondence / Assistance / Other - #20090416

Global Id:	T06019799610
Action Type:	ENFORCEMENT
Date:	04/20/2012
Action:	Closure/No Further Action Letter

Global Id:	T06019799610

INTERNATIONAL CLINICAL LAB-WES (Continued) **U001598176**

Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T06019799610
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T06019799610
Action Type: ENFORCEMENT
Date: 07/22/2010
Action: Staff Letter - #20100722

Global Id: T06019799610
Action Type: RESPONSE
Date: 10/20/2010
Action: Well Destruction Report

Global Id: T06019799610
Action Type: ENFORCEMENT
Date: 07/03/2008
Action: Technical Correspondence / Assistance / Other - #20080703

Global Id: T06019799610
Action Type: ENFORCEMENT
Date: 09/16/2008
Action: Technical Correspondence / Assistance / Other - #20080916

Global Id: T06019799610
Action Type: ENFORCEMENT
Date: 07/22/2010
Action: Notification - Fee Title Owners Notice - #20100722

Global Id: T06019799610
Action Type: ENFORCEMENT
Date: 12/05/2008
Action: Technical Correspondence / Assistance / Other - #20081205

Alameda County CS:
Status: Leak Confirmation
Record Id: RO0002860
Site Contact: KHATRI, PARESH
PE: 5602

Status: Preliminary Site Assessment Workplan Submitted
Record Id: RO0002860
Site Contact: KHATRI, PARESH
PE: 5602

Status: Preliminary Site Assessment Underway
Record Id: RO0002860
Site Contact: KHATRI, PARESH
PE: 5602

INTERNATIONAL CLINICAL LAB-WES (Continued) **U001598176**

HIST UST:

Region:	STATE
Facility ID:	00000065905
Facility Type:	Other
Other Type:	LABORATORY
Total Tanks:	0001
Contact Name:	Not reported
Telephone:	4158282500
Owner Name:	INTERNATIONAL CLINICAL LABORAT
Owner Address:	6511 GOLDEN GATE DRIVE
Owner City,St,Zip:	DUBLIN, CA 94568
Tank Num:	001
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	1
Tank Construction:	Unkown gauge
Leak Detection:	None

SWEEPS UST:

Status:	Not reported
Comp Number:	65905
Number:	Not reported
Board Of Equalization:	44-000715
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-065905-000001
Actv Date:	Not reported
Capacity:	2000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

C17 **DUBLIN AUTO** **RCRA-SQG** **1000285236**
SSE **6429 GOLDEN GATE DR** **FINDS** **CAD982500365**
< 1/8 **DUBLIN, CA 94568** **HAZNET**
0.105 mi.
553 ft. **Site 2 of 3 in cluster C**

Relative:
Lower

Actual:
343 ft.

RCRA-SQG:

Date form received by agency:	03/06/1990
Facility name:	DUBLIN AUTO
Facility address:	6429 GOLDEN GATE DR DUBLIN, CA 94568
EPA ID:	CAD982500365
Mailing address:	GOLDEN GATE DR DUBLIN, CA 94568
Contact:	ENVIRONMENTAL MANAGER
Contact address:	6429 GOLDEN GATE DR DUBLIN, CA 94568
Contact country:	US

DUBLIN AUTO (Continued) **1000285236**

Contact telephone: (415) 828-0243
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THOMAS WALSH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002833587

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

DUBLIN AUTO (Continued) **1000285236**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Year:	1995
Gepaid:	CAD982500365
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	6429 GOLDEN GATE DR
Mailing City,St,Zip:	DUBLIN, CA 945682905
Gen County:	1
TSD EPA ID:	CAD980887418
TSD County:	1
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	1

Year:	1994
Gepaid:	CAD982500365
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	6429 GOLDEN GATE DR
Mailing City,St,Zip:	DUBLIN, CA 945682905
Gen County:	1
TSD EPA ID:	CAD980887418
TSD County:	1
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	1

Year:	1993
Gepaid:	CAD982500365
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	6429 GOLDEN GATE DR
Mailing City,St,Zip:	DUBLIN, CA 945682905
Gen County:	1
TSD EPA ID:	CAD980887418
TSD County:	1
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	1

C18 SSE < 1/8 0.114 mi. 603 ft. | **GALLUCCI BODY & PAINT**
6401 GOLDEN GATE DR
DUBLIN, CA 94568

Site 3 of 3 in cluster C

RCRA-NonGen FINDS CHMIRS HAZNET EMI

1000292874
CAD981639834

Relative: Lower

Actual: 343 ft.

RCRA-NonGen:

Date form received by agency:	02/10/1999
Facility name:	GALLUCCI BODY & PAINT
Facility address:	6401 GOLDEN GATE DR DUBLIN, CA 94568
EPA ID:	CAD981639834
Contact:	JAMES GALLUCCI
Contact address:	6077 DUBLIN BLVD DUBLIN, CA 94568
Contact country:	US
Contact telephone:	(925) 829-5571
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JIM GALLUCCI
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

GALLUCCI BODY & PAINT (Continued) **1000292874**

Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002430593

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

CHMIRS:

OES Incident Number:	013308
OES notification:	Not reported
OES Date:	4/17/1996
OES Time:	09:47:39 AM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported

GALLUCCI BODY & PAINT (Continued) **1000292874**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	INLET TO CULVERT TO A CREEK.
Spill Site:	Not reported
Cleanup By:	UNKNOWN AT THIS TIME
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	ALAMEDA ENV. HEALTH
Incident Date:	0924 17APR96
Admin Agency:	Not reported
Amount:	EST 70 GALS
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	DIESEL
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
Description:	VALVE SHEARED ON BOTTOM OF FUEL TANK ON A SEMI TRACTOR.

HAZNET:

Year:	2000
Gepaid:	CAD981639834
Contact:	JIM GALLUCCI
Telephone:	5108385586
Mailing Name:	Not reported
Mailing Address:	6077 DUBLIN BLVD
Mailing City,St,Zip:	DUBLIN, CA 945682905
Gen County:	1
TSD EPA ID:	CA0000084517
TSD County:	Sacramento
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Not reported
Tons:	.0540
Facility County:	1

GALLUCCI BODY & PAINT (Continued) **1000292874**

Year: 2000
Gepaid: CAD981639834
Contact: JIM GALLUCCI
Telephone: 5108385586
Mailing Name: Not reported
Mailing Address: 6077 DUBLIN BLVD
Mailing City,St,Zip: DUBLIN, CA 945682905
Gen County: 1
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .2700
Facility County: 1

Year: 1999
Gepaid: CAD981639834
Contact: JIM GALLUCCI
Telephone: 5108385586
Mailing Name: Not reported
Mailing Address: 6077 DUBLIN BLVD
Mailing City,St,Zip: DUBLIN, CA 945682905
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.2001
Facility County: 1

Year: 1999
Gepaid: CAD981639834
Contact: JIM GALLUCCI
Telephone: 5108385586
Mailing Name: Not reported
Mailing Address: 6077 DUBLIN BLVD
Mailing City,St,Zip: DUBLIN, CA 945682905
Gen County: 1
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.054
Facility County: 1

Year: 1998
Gepaid: CAD981639834
Contact: JIM GALLUCCI
Telephone: 5108385586
Mailing Name: Not reported
Mailing Address: 6077 DUBLIN BLVD
Mailing City,St,Zip: DUBLIN, CA 945682905
Gen County: 1
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station

GALLUCCI BODY & PAINT (Continued) **1000292874**

Tons: .6080
Facility County: 1

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1996
County Code:	1
Air Basin:	SF
Facility ID:	7803
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	1
Air Basin:	SF
Facility ID:	7803
Air District Name:	BA
SIC Code:	7532
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

D19 **HOME DEPOT USA HD 1029 EXPO** **RCRA-NonGen** **1009216556**
North **7050 AMADOR PLAZA RD** **CAR000169441**
1/8-1/4 **DUBLIN, CA 94568**
0.128 mi.
674 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
342 ft.

RCRA-NonGen:

Date form received by agency:	06/25/2009
Facility name:	HOME DEPOT USA HD 1029 EXPO
Facility address:	7050 AMADOR PLAZA RD DUBLIN, CA 94568
EPA ID:	CAR000169441
Mailing address:	1905 ASTON AVE STE 100 CARLSBAD, CA 92008
Contact:	ROSA L WHIPPLE

HOME DEPOT USA HD 1029 EXPO (Continued) **1009216556**

Contact address:	1905 ASTON AVE STE 100 CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	800-451-8346
Telephone ext.:	8842
Contact email:	RWHIPPLE@3ECOMPANY.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HOME DEPOT USA
Owner/operator address:	2455 PACES FERRY RD D 17 ATLANTA, GA 30339
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/09/2002
Owner/Op end date:	Not reported

Owner/operator name:	HOME DEPOT USA
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/09/2002
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/29/2005
Facility name:	HOME DEPOT USA HD 1029 EXPO
Site name:	HOME DEPOT USA INC HD 1029
Classification:	Small Quantity Generator
Violation Status:	No violations found

D20	**DUBLIN HONDA**	**RCRA-SQG**	**1000285233**
North	**7099 AMADOR PLAZA RD**	**FINDS**	**CAD981658990**
1/8-1/4	**DUBLIN, CA 94568**	**HIST CORTESE**	
0.153 mi.		**LUST**	
810 ft.	**Site 2 of 2 in cluster D**	**Alameda County CS**	
		HIST UST	
Relative:		**SWEEPS UST**	
Lower		**HAZNET**	
		EMI	
Actual:			
341 ft.			

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	DUBLIN HONDA
Facility address:	7099 AMADOR PLAZA RD DUBLIN, CA 94568
EPA ID:	CAD981658990
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	KEN HARVEY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

DUBLIN HONDA (Continued) **1000285233**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/10/1986
Facility name: DUBLIN HONDA
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/05/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002740730

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CORTESE:
Region: CORTESE
Facility County Code: 1

DUBLIN HONDA (Continued) **1000285233**

Reg By: LTNKA
Reg Id: 01-0514

LUST:
Region: STATE
Global Id: T0600100468
Latitude: 37.706707
Longitude: -121.927935
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/04/1996
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: EC
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-0514
LOC Case Number: RO0001044
File Location: Stored electronically as an E-file
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600100468
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
City: ALAMEDA
Email: Not reported
Phone Number: 5105676762

Global Id: T0600100468
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600100468
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600100468
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 2:
Region: 2

DUBLIN HONDA (Continued) **1000285233**

Facility Id: 01-0514
Facility Status: Case Closed
Case Number: 1256
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0001044
Site Contact: CHU, EVA
PE: 5602

HIST UST:
Region: STATE
Facility ID: 00000004296
Facility Type: Other
Other Type: CAR DEALER
Total Tanks: 0002
Contact Name: DAN HILL, SERVICE MANAGER
Telephone: 4158288030
Owner Name: DUBLIN HONDA (KEN HARVEY, OWNE
Owner Address: 7099 AMADOR PLAZA RD.
Owner City,St,Zip: DUBLIN, CA 94568

Tank Num: 001
Container Num: 1B
Year Installed: 1980
Tank Capacity: 00000300
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1A
Year Installed: 1980
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Not reported
Comp Number: 4296
Number: Not reported
Board Of Equalization: 44-000062

DUBLIN HONDA (Continued) **1000285233**

Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-004296-000001
Actv Date:	Not reported
Capacity:	500
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	1

Status:	A
Comp Number:	4296
Number:	1
Board Of Equalization:	44-000062
Ref Date:	06-12-92
Act Date:	08-18-92
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	001A
Swrcb Tank Id:	01-000-004296-000002
Actv Date:	06-12-92
Capacity:	3000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	1

HAZNET:

Year:	2007
Gepaid:	CAD981658990
Contact:	RICHARD LANZONE/SERVICE MGR
Telephone:	9258288030
Mailing Name:	Not reported
Mailing Address:	7099 AMADOR PLAZA RD
Mailing City,St,Zip:	DUBLIN, CA 945682315
Gen County:	Alameda
TSD EPA ID:	CA0000084517
TSD County:	Sacramento
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.76
Facility County:	Alameda

Year:	2007
Gepaid:	CAD981658990
Contact:	RICHARD LANZONE/SERVICE MGR
Telephone:	9258288030
Mailing Name:	Not reported
Mailing Address:	7099 AMADOR PLAZA RD
Mailing City,St,Zip:	DUBLIN, CA 945682315
Gen County:	Alameda
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles

DUBLIN HONDA (Continued) **1000285233**

Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.52
Facility County: Alameda

Year: 2007
Gepaid: CAD981658990
Contact: RICHARD LANZONE/SERVICE MGR
Telephone: 9258288030
Mailing Name: Not reported
Mailing Address: 7099 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945682315
Gen County: Alameda
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.02
Facility County: Alameda

Year: 2007
Gepaid: CAD981658990
Contact: RICHARD LANZONE/SERVICE MGR
Telephone: 9258288030
Mailing Name: Not reported
Mailing Address: 7099 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945682315
Gen County: Alameda
TSD EPA ID: CA0000084517
TSD County: Sacramento
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: Not reported
Facility County: Alameda

Year: 2007
Gepaid: CAD981658990
Contact: RICHARD LANZONE/SERVICE MGR
Telephone: 9258288030
Mailing Name: Not reported
Mailing Address: 7099 AMADOR PLAZA RD
Mailing City,St,Zip: DUBLIN, CA 945682315
Gen County: Alameda
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.83
Facility County: Alameda

Click this hyperlink while viewing on your computer to access
52 additional CA_HAZNET: record(s) in the EDR Site Report.

DUBLIN HONDA (Continued) **1000285233**

EMI:

Year:	1987
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA
SIC Code:	7538
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA

DUBLIN HONDA (Continued) **1000285233**

SIC Code:	7538
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA
SIC Code:	7538
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	1
Air Basin:	SF
Facility ID:	3485
Air District Name:	BA
SIC Code:	7538
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

E21 **T0328** **RCRA-LQG** **1014386728**
North **7200 AMADOR PLAZA RD** **CAL000232057**
1/8-1/4 **DUBLIN, CA 94568**
0.207 mi.
1093 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
341 ft.

RCRA-LQG:

Date form received by agency:	06/24/2010
Facility name:	T0328
Facility address:	7200 AMADOR PLAZA RD DUBLIN, CA 94568
EPA ID:	CAL000232057

T0328 (Continued) **1014386728**

Mailing address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact:	JANNA ADAIR-POTTS
Contact address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact country:	US
Contact telephone:	(800) 587-2228
Contact email:	CORPORATE.COMPLIANCE@TARGET.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	TARGET CORPORATION
Owner/operator address:	1000 NICOLLET MALL MINNEAPOLIS, MN 55403
Owner/operator country:	US
Owner/operator telephone:	(800) 587-2228
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/28/1987
Owner/Op end date:	Not reported

Owner/operator name:	TARGET CORPORATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/28/1987
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

T0328 (Continued) **1014386728**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:

Waste code: 123
Waste name: 123

Waste code: 141
Waste name: 141

Waste code: 214
Waste name: 214

Waste code: 311
Waste name: 311

Waste code: 331
Waste name: 331

Waste code: 791
Waste name: 791

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: U240
Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

T0328 (Continued) **1014386728**

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 605

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 605

Waste code: D008
Waste name: LEAD
Amount (Lbs): 605

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 3

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-
Amount (Lbs): 3

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 3

Waste code: U240
Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS
Amount (Lbs): 605

Violation Status: No violations found

E22 **TARGET STORE NO 0328** **RCRA-SQG** **1014465419**
North **7200 AMADOR PLAZA RD** **CAR000218891**
1/8-1/4 **DUBLIN, CA 94568**
0.207 mi.
1093 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
341 ft.

RCRA-SQG:
Date form received by agency: 04/11/2011
Facility name: TARGET STORE NO 0328
Facility address: 7200 AMADOR PLAZA RD

TARGET STORE NO 0328 (Continued) **1014465419**

	DUBLIN, CA 94568
EPA ID:	CAR000218891
Mailing address:	PO BOX 111
	MINNEAPOLIS, MN 55440-0111
Contact:	MARK W SCHWARZE
Contact address:	PO BOX 111
	MINNEAPOLIS, MN 55440-0111
Contact country:	US
Contact telephone:	800-587-2228
Contact email:	CORPORATE.COMPLIANCE@TARGET.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TARGET CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/28/1987
Owner/Op end date:	Not reported

Owner/operator name:	TARGET CORP
Owner/operator address:	PO BOX 111
	MINNEAPOLIS, MN 55440
Owner/operator country:	US
Owner/operator telephone:	800-587-2228
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/28/1987
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

TARGET STORE NO 0328 (Continued) **1014465419**

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: D016
Waste name: 2,4-D

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

Waste code: P075
Waste name: NICOTINE, & SALTS

Violation Status: No violations found

23
ENE
1/8-1/4
0.212 mi.
1120 ft.

CHEVRON
7240 DUBLIN BLVD.
DUBLIN, CA 94568

UST **U003982170**
SWEEPS UST **N/A**

Relative:
Lower

Actual:
333 ft.

UST:
Facility ID: 01-000-000245
Latitude: 37.70575
Longitude: -121.92418

CHEVRON (Continued) **U003982170**

ALAMEDA CO. UST:

Facility ID:	FA0300304
Program Element:	4103
Facility Status:	Active
Description:	UST - 3
Inspection Date:	05/01/2013
Closed:	Not reported
Owner Name:	MOUNT MERU PETROLEUM LLC

SWEEPS UST:

Status:	A
Comp Number:	245
Number:	3
Board Of Equalization:	44-000654
Ref Date:	06-02-93
Act Date:	11-19-93
Created Date:	03-19-91
Tank Status:	A
Owner Tank Id:	UL543992
Swrcb Tank Id:	01-000-000245-000001
Actv Date:	06-02-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	A
Comp Number:	245
Number:	3
Board Of Equalization:	44-000654
Ref Date:	06-02-93
Act Date:	11-19-93
Created Date:	03-19-91
Tank Status:	A
Owner Tank Id:	UL544095
Swrcb Tank Id:	01-000-000245-000002
Actv Date:	06-02-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	245
Number:	3
Board Of Equalization:	44-000654
Ref Date:	06-02-93
Act Date:	11-19-93
Created Date:	03-19-91
Tank Status:	A
Owner Tank Id:	UL543995
Swrcb Tank Id:	01-000-000245-000003
Actv Date:	06-02-93
Capacity:	10000

CHEVRON (Continued) **U003982170**

Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

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24 WSW 1/8-1/4 0.248 mi. 1309 ft. **TRANSAMERICA TITLE COMPAN 6850 REGIONAL DUBLIN, CA** **HIST CORTESE** **S101306378 N/A**

Relative: Higher

Actual: 360 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1497

F25 West 1/8-1/4 0.249 mi. 1315 ft. **GRAND AUTO, INC 7100 REGIONAL ST DUBLIN, CA 94568** **RCRA-CESQG HIST UST SWEEPS UST HAZNET** **1000308751 CAD981398894**

Site 1 of 3 in cluster F

Relative: Higher

Actual: 359 ft.

RCRA-CESQG:
Date form received by agency: 04/25/1986
Facility name: GRAND AUTO, INC
Facility address: 7100 REGIONAL ST
DUBLIN, CA 94568
EPA ID: CAD981398894
Mailing address: 7200 EDGEWATER DR
OAKLAND, CA 94621
Contact: ENVIRONMENTAL MANAGER
Contact address: 7100 REGIONAL ST
DUBLIN, CA 94566
Contact country: US
Contact telephone: (415) 568-6500
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

GRAND AUTO, INC (Continued) **1000308751**

Owner/Operator Summary:

Owner/operator name:	GRAND AUTO, INC
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	07/30/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State Contractor/Grantee

HIST UST:

Region:	STATE
Facility ID:	00000024223
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	STEVE SCHNESSER
Telephone:	4158290124
Owner Name:	GRAND AUTO INC.

GRAND AUTO, INC (Continued) **1000308751**

Owner Address: 7200 EDGEWATER DR.
Owner City,St,Zip: OAKLAND, CA 94621

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Not reported
Comp Number: 24223
Number: Not reported
Board Of Equalization: 44-000287
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-024223-000001
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 24223
Number: Not reported
Board Of Equalization: 44-000287
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

GRAND AUTO, INC (Continued) **1000308751**

Swrcb Tank Id: 01-000-024223-000002
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 24223
Number: Not reported
Board Of Equalization: 44-000287
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-024223-000003
Actv Date: Not reported
Capacity: 10000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:
Year: 2011
Gepaid: CAL000191466
Contact: CAROL HORGAN/INTERNAL AUDITOR
Telephone: 4088828015
Mailing Name: Not reported
Mailing Address: 802 S 1ST ST
Mailing City,St,Zip: SAN JOSE, CA 951103122
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0675
Facility County: Alameda

Year: 2011
Gepaid: CAL000191466
Contact: CAROL HORGAN/INTERNAL AUDITOR
Telephone: 4088828015
Mailing Name: Not reported
Mailing Address: 802 S 1ST ST
Mailing City,St,Zip: SAN JOSE, CA 951103122
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.015
Facility County: Alameda

GRAND AUTO, INC (Continued) **1000308751**

Year:	2010
Gepaid:	CAL000191466
Contact:	CAROL HORGAN/INTERNAL AUDITOR
Telephone:	4088828015
Mailing Name:	Not reported
Mailing Address:	802 S FIRST STREET
Mailing City,St,Zip:	SAN JOSE, CA 951100000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.05
Facility County:	Alameda

Year:	2010
Gepaid:	CAL000191466
Contact:	CAROL HORGAN/INTERNAL AUDITOR
Telephone:	4088828015
Mailing Name:	Not reported
Mailing Address:	802 S FIRST STREET
Mailing City,St,Zip:	SAN JOSE, CA 951100000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Facility County:	Alameda

Year:	2009
Gepaid:	CAL000191466
Contact:	CAROL HORGAN/INTERNAL AUDITOR
Telephone:	4088828015
Mailing Name:	Not reported
Mailing Address:	802 S FIRST STREET
Mailing City,St,Zip:	SAN JOSE, CA 951100000
Gen County:	Alameda
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.09
Facility County:	Alameda

Click this hyperlink while viewing on your computer to access
10 additional CA_HAZNET: record(s) in the EDR Site Report.

F26 **AUTO PARTS STORE** **SLIC** **S108245911**
West **7100 REGIONAL** **Alameda County CS** **N/A**
1/8-1/4 **DUBLIN, CA 98009** **HAZNET**
0.249 mi.
1315 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
359 ft.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/13/2000
Global Id:	T06019760478
Lead Agency:	ALAMEDA COUNTY LOP
Lead Agency Case Number:	RO0002678
Latitude:	37.703066
Longitude:	-121.934466
Case Type:	Cleanup Program Site
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
File Location:	Stored electronically as an E-file
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Alameda County CS:

Status:	Case Closed
Record Id:	RO0002678
Site Contact:	CHU, EVA
PE:	5502

HAZNET:

Year:	2011
Gepaid:	CAL000365190
Contact:	DEBRA HAMLIN
Telephone:	6302599379
Mailing Name:	Not reported
Mailing Address:	333 E LAKE ST
Mailing City,St,Zip:	BLOOMINGDALE, IL 601081196
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06
Facility County:	Alameda

F27 **DUBLIN RETAIL CENTER** **LUST** **S108241362**
WSW **7900 DUBLIN** **Alameda County CS** **N/A**
1/4-1/2 **DUBLIN, CA 94568**
0.251 mi.
1327 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
360 ft.

LUST:

Region:	STATE
Global Id:	T06019769979
Latitude:	37.702776
Longitude:	-121.933631
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/27/2005
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	RS
Local Agency:	Not reported
RB Case Number:	NA
LOC Case Number:	RO0002446
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T06019769979
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T06019769979
Action Type:	ENFORCEMENT
Date:	04/17/2002
Action:	Notice of Responsibility - #UNK
Global Id:	T06019769979
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T06019769979
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Not reported

Alameda County CS:

Status:	Pollution Characterization
Record Id:	RO0002446
Site Contact:	SCHULTZ, ROBERT
PE:	5602
Status:	Case Closed
Record Id:	RO0002446
Site Contact:	SCHULTZ, ROBERT
PE:	5602

DUBLIN RETAIL CENTER (Continued) **S108241362**

Status: 12
Record Id: RO0002481
Site Contact: SEERY, SCOTT
PE: 5502

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28 NE 1/4-1/2 0.252 mi. 1328 ft.

CONTINENTAL BAKING COMPANY
6841 VILLAGE
DUBLIN, CA 94568

HIST CORTESE **U003713858**
LUST **N/A**
Alameda County CS
HAZNET

Relative: Lower

Actual: 333 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1769

LUST:
Region: STATE
Global Id: T0600101637
Latitude: 37.706968
Longitude: -121.92356
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/03/1997
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: EC
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1769
LOC Case Number: RO0000972
File Location: Stored electronically as an E-file
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600101637
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
City: ALAMEDA
Email: Not reported
Phone Number: 5105676762

Global Id: T0600101637
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:

CONTINENTAL BAKING COMPANY (Continued) **U003713858**

Global Id: T0600101637
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600101637
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 2:
Region: 2
Facility Id: 01-1769
Facility Status: Case Closed
Case Number: 4111
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 3/31/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0000972
Site Contact: CHU, EVA
PE: 5602

HAZNET:
Year: 1995
Gepaid: CAP600929254
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: 000000000
Gen County: 0
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Unspecified organic liquid mixture
Disposal Method: Disposal, Other
Tons: 2.2935
Facility County: 0

29 NNE 1/4-1/2 0.276 mi. 1456 ft. | **CORWOOD CARWASH 6973 VILLAGE DUBLIN, CA 94568** | **HIST CORTESE LUST Alameda County CS** | **S105708723 N/A**

Relative: Lower

Actual: 333 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0458

LUST:

Region:	STATE
Global Id:	T0600100416
Latitude:	37.708283
Longitude:	-121.924782
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/04/1998
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0458
LOC Case Number:	RO0002890
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100416
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

LUST:

Global Id:	T0600100416
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0600100416
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0600100416
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

CORWOOD CARWASH (Continued) **S105708723**

Region:	STATE
Global Id:	T06019701663
Latitude:	37.70831
Longitude:	-121.92482
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	06/08/1993
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
LOC Case Number:	RO0002432
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Two 10,000 gallon USTs were removed from the site in January 2000. Significantly elevated concentrations of petroleum hydrocarbons were detected in soil and groundwater samples. Between 2000 and 2006, subsurface investigations consisting of soil borings and groundwater monitoring well installations were conducted at the site.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T06019701663
Contact Type:	Local Agency Caseworker
Contact Name:	DILAN ROE
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 Harbor Bay Parkway
City:	ALAMEDA
Email:	dilan.roe@acgov.org
Phone Number:	5105676767

LUST:

Global Id:	T06019701663
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation
Global Id:	T06019701663
Action Type:	ENFORCEMENT
Date:	07/24/2009
Action:	Staff Letter - #07242009
Global Id:	T06019701663
Action Type:	RESPONSE
Date:	12/20/2010
Action:	Electronic Reporting Submittal Due
Global Id:	T06019701663
Action Type:	RESPONSE
Date:	01/18/2011
Action:	Soil and Water Investigation Report
Global Id:	T06019701663
Action Type:	ENFORCEMENT
Date:	07/24/2009

CORWOOD CARWASH (Continued) **S105708723**

Action: Notice of Violation - #20090724

Global Id: T06019701663
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T06019701663
Action Type: RESPONSE
Date: 03/28/2011
Action: Electronic Reporting Submittal Due

Global Id: T06019701663
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T06019701663
Action Type: RESPONSE
Date: 08/19/2011
Action: Electronic Reporting Submittal Due

Global Id: T06019701663
Action Type: RESPONSE
Date: 09/30/2011
Action: Soil and Water Investigation Report

Global Id: T06019701663
Action Type: RESPONSE
Date: 08/10/2009
Action: Electronic Reporting Submittal Due

Global Id: T06019701663
Action Type: ENFORCEMENT
Date: 02/25/2011
Action: Notice of Violation - #20110225

Global Id: T06019701663
Action Type: ENFORCEMENT
Date: 07/21/2011
Action: Notice of Violation - #20110721

Global Id: T06019701663
Action Type: ENFORCEMENT
Date: 07/03/2008
Action: Technical Correspondence / Assistance / Other - #20080703

Global Id: T06019701663
Action Type: ENFORCEMENT
Date: 09/05/2008
Action: Technical Correspondence / Assistance / Other - #09/05/2008

Global Id: T06019701663
Action Type: ENFORCEMENT
Date: 11/18/2010
Action: Notice to Comply - #20101118

CORWOOD CARWASH (Continued) **S105708723**

LUST REG 2:

Region:	2
Facility Id:	01-0458
Facility Status:	Case Closed
Case Number:	696
How Discovered:	Subsurface Monitoring
Leak Cause:	UNK
Leak Source:	UNK
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	6/8/1993
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Alameda County CS:

Status:	Leak Confirmation
Record Id:	RO0002890
Site Contact:	CHU, EVA
PE:	5602
Status:	Case Closed
Record Id:	RO0002890
Site Contact:	CHU, EVA
PE:	5602
Status:	Pollution Characterization
Record Id:	RO0002432
Site Contact:	KHATRI, PARESH
PE:	5602

30
WNW
1/4-1/2
0.295 mi.
1556 ft.

TOMRA PACIFIC INC
7333 REGIONAL ST
DUBLIN, CA 94568

SWRCY **S107138171**
N/A

Relative:
Higher

Actual:
360 ft.

SWRCY:

Facility Phone Number:	(951) 520-1700
Whether The Facility Is Grandfathered:	N
Effective Date:	06/01/2000
Rural:	N
As Of:	06/11/2012
Party Number:	24310

31 NNE 1/4-1/2 0.297 mi. 1567 ft. | **VILLAGE PARKWAY SHOPPING CENTER**
7054-7150 VILLAGE PARKWAY
DUBLIN, CA 94568

SLIC **S108724712**
HAZNET **N/A**

Relative: Lower

Actual: 333 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Verification Monitoring**
Status Date:	12/21/2010
Global Id:	SL0600101013
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.7086049580366
Longitude:	-121.927090287209
Case Type:	Cleanup Program Site
Case Worker:	CFC
Local Agency:	Not reported
RB Case Number:	01S0684
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	* Chlorinated Solvents - PCE, * Chlorinated Solvents - TCE, * Volatile Organic Compounds (VOC)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HAZNET:

Year:	2008
Gepaid:	CAC002633551
Contact:	MICHAEL WARE
Telephone:	4153303500
Mailing Name:	Not reported
Mailing Address:	1485 BAY SHORE BLVD
Mailing City,St,Zip:	SAN FRANCISCO, CA 941243002
Gen County:	Alameda
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	9.5
Facility County:	Alameda

Year:	2008
Gepaid:	CAC002633551
Contact:	MICHAEL WARE
Telephone:	4153303500
Mailing Name:	Not reported
Mailing Address:	1485 BAY SHORE BLVD
Mailing City,St,Zip:	SAN FRANCISCO, CA 941243002
Gen County:	Alameda
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.042

VILLAGE PARKWAY SHOPPING CENTER (Continued) **S108724712**

Facility County: Alameda

G32 WNW 1/4-1/2 0.325 mi. 1716 ft. **EXXON #7-0210 7840 AMADOR VALLEY RD. DUBLIN, CA 94568** **LUST Alameda County CS UST** **U003973627 N/A**

Site 1 of 4 in cluster G

Relative: Higher

Actual: 362 ft.

LUST:

Region:	STATE
Global Id:	T0600100553
Latitude:	37.705816265
Longitude:	-121.934675
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/27/2007
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	BC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
LOC Case Number:	RO0002424
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100553
Contact Type:	Local Agency Caseworker
Contact Name:	BARNEY CHAN
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676765

Global Id:	T0600100553
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100553
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600100553
Action Type:	ENFORCEMENT
Date:	10/27/1992
Action:	Notice of Responsibility - #UNK

EXXON #7-0210 (Continued) **U003973627**

Global Id:	T0600100553
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0600100553
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Region:	STATE
Global Id:	T0619717268
Latitude:	37.705895
Longitude:	-121.934449
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/10/1997
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0600
LOC Case Number:	RO0002954
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0619717268
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

LUST:

Global Id:	T0619717268
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Global Id:	T0619717268
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery

Global Id:	T0619717268
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

EXXON #7-0210 (Continued) **U003973627**

Alameda County CS:

Status: Leak Confirmation
Record Id: RO0002954
Site Contact: CHU, EVA
PE: 5602

Status: Preliminary Site Assessment Workplan Submitted
Record Id: RO0002954
Site Contact: CHU, EVA
PE: 5602

Status: Preliminary Site Assessment Underway
Record Id: RO0002954
Site Contact: CHU, EVA
PE: 5602

Status: Pollution Characterization
Record Id: RO0002954
Site Contact: CHU, EVA
PE: 5602

Status: Case Closed
Record Id: RO0002954
Site Contact: CHU, EVA
PE: 5602

Status: Pollution Characterization
Record Id: RO0002424
Site Contact: CHAN, BARNEY
PE: 5602

Status: Verificaiton Monitoring Underway
Record Id: RO0002424
Site Contact: CHAN, BARNEY
PE: 5602

Status: Case Closed
Record Id: RO0002424
Site Contact: CHAN, BARNEY
PE: 5602

UST:

Facility ID: 01-000-016118
Latitude: 37.70608
Longitude: -121.93473

ALAMEDA CO. UST:

Facility ID: FA0005002
Program Element: 4103
Facility Status: Active
Description: UST - 3
Inspection Date: 03/12/2013
Closed: Not reported
Owner Name: CLIFF HUNG/CHING-HO TSENG

G33 WNW 1/4-1/2 0.325 mi. 1716 ft. | **DUBLIN VALERO INC**
7840 AMADOR VALLEY BLVD
DUBLIN, CA 94566

Site 2 of 4 in cluster G

HIST CORTESE
LUST
SWEEPS UST
HAZNET

S102429374
N/A

Relative: Higher

Actual: 362 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0600

LUST REG 2:

Region:	2
Facility Id:	01-0600
Facility Status:	Suspension of Work Letter from Cleanup Fund
Case Number:	RO0002424
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	8/11/1993
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

SWEEPS UST:

Status:	Not reported
Comp Number:	16118
Number:	Not reported
Board Of Equalization:	44-000285
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-016118-000001
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Not reported
Comp Number:	16118
Number:	Not reported
Board Of Equalization:	44-000285
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-016118-000002
Actv Date:	Not reported

DUBLIN VALERO INC (Continued) **S102429374**

Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	16118
Number:	Not reported
Board Of Equalization:	44-000285
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-016118-000003
Actv Date:	Not reported
Capacity:	8000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	16118
Number:	1
Board Of Equalization:	44-000285
Ref Date:	01-03-92
Act Date:	03-26-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	4
Swrcb Tank Id:	01-000-016118-000004
Actv Date:	10-23-91
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	3

Status:	A
Comp Number:	16118
Number:	1
Board Of Equalization:	44-000285
Ref Date:	01-03-92
Act Date:	03-26-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	5
Swrcb Tank Id:	01-000-016118-000005
Actv Date:	10-23-91
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

DUBLIN VALERO INC (Continued) **S102429374**

Status:	A
Comp Number:	16118
Number:	1
Board Of Equalization:	44-000285
Ref Date:	01-03-92
Act Date:	03-26-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	6
Swrcb Tank Id:	01-000-016118-000006
Actv Date:	10-23-91
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

HAZNET:

Year:	2003
Gepaid:	CAL000219249
Contact:	CHING HO TSENG, VICE PRESIDENT
Telephone:	9258297218
Mailing Name:	CONCHITA HUNG/OWNER'S WIFE
Mailing Address:	7840 AMADOR VALLEY BLVD
Mailing City,St,Zip:	DUBLIN, CA 945660000
Gen County:	Alameda
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	0.66
Facility County:	1

Year:	2002
Gepaid:	CAL000219249
Contact:	CONCHITA HUNG
Telephone:	9258297218
Mailing Name:	Not reported
Mailing Address:	7840 AMADOR VALLEY BLVD
Mailing City,St,Zip:	DUBLIN, CA 945660000
Gen County:	Alameda
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.40
Facility County:	Not reported

H34 NW 1/4-1/2 0.334 mi. 1762 ft. | **AMADOR VALLEY MEDICAL CLINIC**
7667 AMADOR VALLEY
DUBLIN, CA 94568 | **HIST CORTESE, LUST, HAZNET** | **S102423916, N/A**

Site 1 of 2 in cluster H

Relative: Higher

Actual: 353 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0084

LUST:

Region:	STATE
Global Id:	T0600100077
Latitude:	37.7076179
Longitude:	-121.933846
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/09/1996
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0084
LOC Case Number:	RO0000933
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100077
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600100077
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100077
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

Global Id:	T0600100077
Action Type:	REMEDIATION

AMADOR VALLEY MEDICAL CLINIC (Continued) **S102423916**

Date: 01/01/1950
Action: Not reported

HAZNET:

Year: 1999
Gepaid: CAL000062639
Contact: EDMUND KEMPRUD MD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7667 AMADOR VALLEY BLVD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: 1
TSD EPA ID: CAD982321879
TSD County: Stanislaus
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 0.1249
Facility County: 1

Year: 1998
Gepaid: CAL000062639
Contact: EDMUND KEMPRUD MD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7667 AMADOR VALLEY BLVD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: 1
TSD EPA ID: CAD982321879
TSD County: Stanislaus
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .1704
Facility County: 1

Year: 1997
Gepaid: CAL000062639
Contact: EDMUND KEMPRUD MD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7667 AMADOR VALLEY BLVD
Mailing City,St,Zip: DUBLIN, CA 945680000
Gen County: 1
TSD EPA ID: CAL922955228
TSD County: 0
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0208
Facility County: 1

Year: 1997
Gepaid: CAL000062639
Contact: EDMUND KEMPRUD MD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7667 AMADOR VALLEY BLVD
Mailing City,St,Zip: DUBLIN, CA 945680000

AMADOR VALLEY MEDICAL CLINIC (Continued) **S102423916**

Gen County:	1
TSD EPA ID:	CAL922955281
TSD County:	Santa Clara
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.1912
Facility County:	1

Year:	1996
Gepaid:	CAL000062639
Contact:	EDMUND KEMPRUD MD
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	7667 AMADOR VALLEY BLVD
Mailing City,St,Zip:	DUBLIN, CA 945680000
Gen County:	1
TSD EPA ID:	CAL922955281
TSD County:	Santa Clara
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0928
Facility County:	1

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

H35
NW
1/4-1/2
0.334 mi.
1762 ft.

AMADOR VALLEY MEDICAL CLINIC **Alameda County CS** **S110653913**
7667 AMADOR VALLEY BLVD **N/A**
DUBLIN, CA 94568

Site 2 of 2 in cluster H

Relative:
Higher

Actual:
353 ft.

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000933
Site Contact:	CHU, EVA
PE:	5602

36
East
1/4-1/2
0.334 mi.
1763 ft.

LUCKY STORE **HIST CORTESE** **S101306376**
6300 CLARK AVE **LUST** **N/A**
DUBLIN, CA 94568 **Alameda County CS**
SWEEPS UST
HAZNET

Relative:
Lower

Actual:
332 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0929

LUST:

Region:	STATE
Global Id:	T0600100854
Latitude:	37.7049677941614
Longitude:	-121.921017765999
Case Type:	LUST Cleanup Site

LUCKY STORE (Continued) **S101306376**

Status:	Completed - Case Closed
Status Date:	12/31/1993
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0929
LOC Case Number:	RO0003029
File Location:	Stored electronically as an E-file
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100854
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

LUST:

Global Id:	T0600100854
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0600100854
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0600100854
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

Alameda County CS:

Status:	Leak Confirmation
Record Id:	RO0003029
Site Contact:	CHU, EVA
PE:	5602
Status:	Case Closed
Record Id:	RO0003029
Site Contact:	CHU, EVA
PE:	5602

SWEEPS UST:

Status:	Not reported
Comp Number:	304106
Number:	Not reported

LUCKY STORE (Continued) **S101306376**

Board Of Equalization: 44-016070
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-304106-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Status: A
Comp Number: 304106
Number: 1
Board Of Equalization: 44-016070
Ref Date: 03-18-93
Act Date: 05-05-94
Created Date: 05-05-94
Tank Status: A
Owner Tank Id: 2
Swrcb Tank Id: 01-000-304106-000001
Actv Date: 03-18-93
Capacity: 2000
Tank Use: PETROLEUM
Stg: P
Content: DIESEL
Number Of Tanks: 1

HAZNET:
Year: 2007
Gepaid: CAC002612800
Contact: TODD BERRYHILL
Telephone: 4154641924
Mailing Name: Not reported
Mailing Address: 125 SIR FRANCIS DRAKE BLVD 3RD FLR
Mailing City,St,Zip: LARKSPUR, CA 94939
Gen County: Alameda
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Asbestos containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Facility County: Alameda

Year: 2007
Gepaid: CAC002612800
Contact: TODD BERRYHILL
Telephone: 4154641924
Mailing Name: Not reported
Mailing Address: 125 SIR FRANCIS DRAKE BLVD 3RD FLR
Mailing City,St,Zip: LARKSPUR, CA 94939
Gen County: Alameda
TSD EPA ID: CAD982411993

LUCKY STORE (Continued) **S101306376**

TSD County: Alameda
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.37
Facility County: Alameda

Year: 2003
Gepaid: CAC002563097
Contact: ROBERT LEWIS
Telephone: 9268336848
Mailing Name: Not reported
Mailing Address: PO BOX 20 DEPT 74100
Mailing City,St,Zip: BOISE, ID 83726
Gen County: Alameda
TSD EPA ID: CAD009466392
TSD County: Alameda
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: Not reported
Facility County: 1

G37 **UNOCAL #7176 SIMON MUI** **HIST CORTESE** **1000167392**
WNW **7850 AMADOR VALLEY BLVD** **LUST** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **SWEEPS UST**
0.336 mi. **HAZNET**
1772 ft. **Site 3 of 4 in cluster G**

Relative: Higher

Actual: 363 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2038

LUST REG 2:
Region: 2
Facility Id: 01-2038
Facility Status: Post remedial action monitoring
Case Number: RO0000482
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 1/24/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 9/5/2000

SWEEPS UST:
Status: A
Comp Number: 20263
Number: 2
Board Of Equalization: 44-000051
Ref Date: 12-23-92

UNOCAL #7176 SIMON MUI (Continued) **1000167392**

Act Date:	04-14-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	7176-SU-1
Swrcb Tank Id:	01-000-020263-000001
Actv Date:	12-23-92
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	4

Status:	A
Comp Number:	20263
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-23-92
Act Date:	04-14-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	7176-RU-2
Swrcb Tank Id:	01-000-020263-000002
Actv Date:	12-23-92
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	20263
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-23-92
Act Date:	04-14-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	7176-RU-1
Swrcb Tank Id:	01-000-020263-000003
Actv Date:	12-23-92
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	20263
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-23-92
Act Date:	04-14-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	7176-DSL2-1
Swrcb Tank Id:	01-000-020263-000004
Actv Date:	12-23-92

UNOCAL #7176 SIMON MUI (Continued) **1000167392**

Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

HAZNET:

Year:	2003
Gepaid:	CAL000179316
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Alameda
TSD EPA ID:	CAD028409019
TSD County:	Alameda
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	0.04
Facility County:	1

Year:	2003
Gepaid:	CAL000179316
Contact:	HAZMAT SPECIALIST
Telephone:	6027284180
Mailing Name:	Not reported
Mailing Address:	PO BOX 52085
Mailing City,St,Zip:	PHOENIX, AZ 850722085
Gen County:	Alameda
TSD EPA ID:	CAD982444481
TSD County:	Alameda
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	0.87
Facility County:	1

Year:	1997
Gepaid:	CAD982058810
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	7
TSD EPA ID:	CAD009452657
TSD County:	San Mateo
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	.0417
Facility County:	7

Year:	1995
Gepaid:	CAD982058810
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported

UNOCAL #7176 SIMON MUI (Continued) **1000167392**

Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	7
TSD EPA ID:	CAD009452657
TSD County:	San Mateo
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	.0667
Facility County:	7

Year:	1995
Gepaid:	CAD982058810
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	7
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.4587
Facility County:	7

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

G38 **CONOCO PHILLIPS # 257176** **LUST** **S108745246**
WNW **7850 AMADOR VALLEY** **Alameda County CS** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **HAZNET**
0.336 mi.
1772 ft. **Site 4 of 4 in cluster G**

Relative:
Higher

Actual:
363 ft.

LUST:

Region:	STATE
Global Id:	T0600101883
Latitude:	37.7056320036865
Longitude:	-121.935249567032
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	05/20/2009
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-2038
LOC Case Number:	RO0000482
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	In November 1994, one 280-gallon steel waste oil UST and four 10,000-gallon steel USTs, consisting of one regular, one mid-grade, one super-unleaded gasoline, and one diesel UST were replaced with two 12,000-gallon glasteel USTs. Following UST removal activities, soil sample analytical results detected elevated concentrations of total petroleum hydrocarbons (TPH) as diesel (d), gasoline (g), and benzene at concentrations of 9,100 mg/kg, 1,600 mg/kg, and 1.6 mg/kg, respectively. Groundwater monitoring wells installed at the site

CONOCO PHILLIPS # 257176 (Continued) **S108745246**

verified hydrocarbon contamination in groundwater. In 2007, a sensitive receptor survey was performed. Source area characterization is currently underway.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600101883
Contact Type:	Local Agency Caseworker
Contact Name:	PARESH KHATRI
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5107772478

Global Id:	T0600101883
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600101883
Action Type:	RESPONSE
Date:	10/30/2010
Action:	Monitoring Report - Semi-Annually

Global Id:	T0600101883
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600101883
Action Type:	ENFORCEMENT
Date:	05/01/2009
Action:	Technical Correspondence / Assistance / Other - #20090501

Global Id:	T0600101883
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Pump & Treat (P&T) Groundwater

Global Id:	T0600101883
Action Type:	RESPONSE
Date:	04/17/2000
Action:	Monitoring Report - Quarterly

Global Id:	T0600101883
Action Type:	ENFORCEMENT
Date:	07/28/2009
Action:	Staff Letter - #20090728

Global Id:	T0600101883

CONOCO PHILLIPS # 257176 (Continued) **S108745246**

Action Type: ENFORCEMENT
Date: 10/22/2009
Action: Staff Letter - #20091022

Global Id: T0600101883
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600101883
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101883
Action Type: RESPONSE
Date: 02/15/2010
Action: Soil and Water Investigation Report

Global Id: T0600101883
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0600101883
Action Type: RESPONSE
Date: 10/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0600101883
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0600101883
Action Type: ENFORCEMENT
Date: 07/29/2010
Action: Staff Letter - #20100729

Global Id: T0600101883
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0600101883
Action Type: ENFORCEMENT
Date: 02/20/2009
Action: Technical Correspondence / Assistance / Other - #20090220

Alameda County CS:
Status: Pollution Characterization
Record Id: RO0000482
Site Contact: KHATRI, PARESH
PE: 5602

CONOCO PHILLIPS # 257176 (Continued) **S108745246**

HAZNET:

Year:	2006
Gepaid:	CAL000277498
Contact:	DANELLE EICHHORST
Telephone:	2812933723
Mailing Name:	Not reported
Mailing Address:	600 N DAIRY ASHFORD MO 1001
Mailing City,St,Zip:	HOUSTON, TX 77079
Gen County:	Alameda
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	0.41
Facility County:	1

39
NW
1/4-1/2
0.338 mi.
1787 ft.

Relative:
Higher

Actual:
350 ft.

TARGET STORE INC **LUST** **S103556015**
7608 AMADOR VALLEY **Alameda County CS** **N/A**
DUBLIN, CA 94568

LUST:

Region:	STATE
Global Id:	T0600101336
Latitude:	37.7082075
Longitude:	-121.9327644
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/21/1996
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-1447
LOC Case Number:	RO0001170
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600101336
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600101336
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND

TARGET STORE INC (Continued) **S103556015**

Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600101336
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101336
Action Type: REMEDIATION
Date: 01/01/1950
Action: Pump & Treat (P&T) Groundwater

LUST REG 2:
Region: 2
Facility Id: 01-1447
Facility Status: Case Closed
Case Number: 3746
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 5/19/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0001170
Site Contact: CHU, EVA
PE: 5602

I40 **DUTCH PRIDE DAIRY** **Notify 65** **S100179444**
North **7400 AMADOR VALLEY BOULEV** **N/A**
1/4-1/2 **DUBLIN, CA 92562**
0.357 mi.
1884 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
339 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92562

I41 **DUTCH PRIDE DAIRY** **HIST CORTESE** **S102428860**
North **7400 AMADOR VALLEY** **LUST** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **Alameda County CS**
0.357 mi.
1884 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
339 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0500

LUST:

Region:	STATE
Global Id:	T0600100454
Latitude:	37.709604
Longitude:	-121.927508
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/22/1998
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0500
LOC Case Number:	RO0001148
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100454
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600100454
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100454
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600100454
Action Type:	Other

DUTCH PRIDE DAIRY (Continued) **S102428860**

Date: 01/01/1950
Action: Leak Reported

Alameda County CS:
Status: Case Closed
Record Id: RO0001148
Site Contact: CHU, EVA
PE: 5602

I42 North 1/4-1/2 0.357 mi. 1884 ft. **DUTCH PRIDE DAIRY** **LUST** **S103395984**
7400 AMADOR VALLEY BLVD **N/A**
DUBLIN, CA 94568

Site 3 of 3 in cluster I

Relative: Lower

Actual: 339 ft.

LUST REG 2:
Region: 2
Facility Id: 01-0500
Facility Status: Case Closed
Case Number: 3729
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 4/16/1990
Preliminary Site Assesment Began: 1/30/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

J43 NNE 1/4-1/2 0.363 mi. 1914 ft. **SHELL / OIL CHANGERS #301** **HIST CORTESE** **S102434617**
7194 VILLAGE **LUST** **N/A**
DUBLIN, CA 94568 **Alameda County CS**
CHMIRS
Site 1 of 3 in cluster J **HAZNET**

Relative: Lower

Actual: 338 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1634

LUST:
Region: STATE
Global Id: T0600101509
Latitude: 37.709698
Longitude: -121.927198
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/25/2002
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: EC

SHELL / OIL CHANGERS #301 (Continued) **S102434617**

Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1634
LOC Case Number: RO0000259
File Location: Stored electronically as an E-file
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600101509
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
City: ALAMEDA
Email: Not reported
Phone Number: 5105676762

Global Id: T0600101509
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600101509
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600101509
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

LUST REG 2:
Region: 2
Facility Id: 01-1634
Facility Status: Remediation Plan
Case Number: 2516
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 5/4/1988
Pollution Characterization Began: 7/19/1988
Pollution Remediation Plan Submitted: 4/14/1989
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SHELL / OIL CHANGERS #301 (Continued) **S102434617**

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000259
Site Contact:	CHU, EVA
PE:	5602

CHMIRS:

OES Incident Number:	01-3114
OES notification:	5/30/200112:30:53 PM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain direct to the SF Bay
Spill Site:	Not reported
Cleanup By:	Co. HazMat
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Alameda Co FD

SHELL / OIL CHANGERS #301 (Continued) **S102434617**

Incident Date:	5/30/200112:00:00 AM
Admin Agency:	Alameda County Environmental Health
Amount:	Not reported
Contained:	No
Site Type:	Service Station
E Date:	Not reported
Substance:	Oil
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	Unk
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Oil Changers, a business,. was washing out it's service bays and let it run into a storm drain. It is presumed to be more oil than water and the quantity is unknown.An attempt to contain the release is in progress.

HAZNET:

Year:	2002
Gepaid:	CAL000005241
Contact:	RANDAL A SMITH-COMPLIANCE OFCR
Telephone:	9257345816
Mailing Name:	Not reported
Mailing Address:	4511 WILLOW RD STE 1
Mailing City,St,Zip:	PLEASANTON, CA 945880000
Gen County:	Alameda
TSD EPA ID:	Not reported
TSD County:	San Mateo
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	1.08
Facility County:	Not reported

Year:	2002
Gepaid:	CAL000005241
Contact:	RANDAL A SMITH-COMPLIANCE OFCR
Telephone:	9257345816
Mailing Name:	Not reported
Mailing Address:	4511 WILLOW RD STE 1
Mailing City,St,Zip:	PLEASANTON, CA 945880000
Gen County:	Alameda
TSD EPA ID:	Not reported
TSD County:	Alameda
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler

SHELL / OIL CHANGERS #301 (Continued) **S102434617**

Tons: 0.62
Facility County: Not reported

Year: 2001
Gepaid: CAL000005241
Contact: RANDAL A SMITH-COMPLIANCE OFCR
Telephone: 9257345816
Mailing Name: Not reported
Mailing Address: 4511 WILLOW RD STE 1
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.25
Facility County: Not reported

Year: 2001
Gepaid: CAL000005241
Contact: RANDAL A SMITH-COMPLIANCE OFCR
Telephone: 9257345816
Mailing Name: Not reported
Mailing Address: 4511 WILLOW RD STE 1
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 3.75
Facility County: Not reported

Year: 2001
Gepaid: CAL000005241
Contact: RANDAL A SMITH-COMPLIANCE OFCR
Telephone: 9257345816
Mailing Name: Not reported
Mailing Address: 4511 WILLOW RD STE 1
Mailing City,St,Zip: PLEASANTON, CA 945880000
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: San Mateo
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 15.65
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
13 additional CA_HAZNET: record(s) in the EDR Site Report.

K44 WSW 1/4-1/2 0.373 mi. 1970 ft. | **CHEVRON #9-5542**
7007 SAN RAMON
DUBLIN, CA 94568

Site 1 of 4 in cluster K

HIST CORTESE **S110060589**
LUST **N/A**
Alameda County CS

Relative: Higher

Actual: 367 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0385

LUST:

Region:	STATE
Global Id:	T0600100354
Latitude:	37.7025400895432
Longitude:	-121.935507059097
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	11/05/2001
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0385
LOC Case Number:	RO0000206
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Four USTs were removed from the site in 1990. Subsurface Investigations followed the UST removals, which included borings and monitoring well installations. No active remediation related to the unauthorized release from the USTs have been conducted.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100354
Contact Type:	Local Agency Caseworker
Contact Name:	PARESH KHATRI
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5107772478

Global Id:	T0600100354
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100354
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

CHEVRON #9-5542 (Continued) **S110060589**

Global Id: T0600100354
Action Type: ENFORCEMENT
Date: 07/24/2009
Action: Staff Letter - #20090724

Global Id: T0600100354
Action Type: ENFORCEMENT
Date: 08/26/2010
Action: Staff Letter - #20100826

Global Id: T0600100354
Action Type: ENFORCEMENT
Date: 05/15/2009
Action: Staff Letter - #20090515

Global Id: T0600100354
Action Type: RESPONSE
Date: 05/21/2011
Action: Soil and Water Investigation Report

Global Id: T0600100354
Action Type: ENFORCEMENT
Date: 09/03/2009
Action: Staff Letter - #20090903

Global Id: T0600100354
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0600100354
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0600100354
Action Type: RESPONSE
Date: 12/02/2009
Action: CAP/RAP - Feasibility Study Report

Global Id: T0600100354
Action Type: RESPONSE
Date: 07/14/2009
Action: Site Conceptual Model

Global Id: T0600100354
Action Type: RESPONSE
Date: 07/14/2009
Action: Site Conceptual Model

Global Id: T0600100354
Action Type: ENFORCEMENT
Date: 10/29/2010
Action: Staff Letter - #20101029

CHEVRON #9-5542 (Continued) **S110060589**

Alameda County CS:

Status:	Pollution Characterization
Record Id:	RO0000206
Site Contact:	KHATRI, PARESH
PE:	5602

Status:	Verificaiton Monitoring Underway
Record Id:	RO0000206
Site Contact:	KHATRI, PARESH
PE:	5602

K45 **CHEVRON** **LUST** **S105030601**
WSW **7007 SAN RAMON RD** **N/A**
1/4-1/2 **DUBLIN, CA 94568**
0.373 mi.
1970 ft. **Site 2 of 4 in cluster K**

Relative:
Higher

Actual:
367 ft.

LUST REG 2:

Region:	2
Facility Id:	01-0385
Facility Status:	Remediation Plan
Case Number:	1940
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	3/20/1992
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	12/31/1983
Pollution Characterization Began:	6/18/1991
Pollution Remediation Plan Submitted:	7/15/1993
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

J46 **BP #11116** **HIST CORTESE** **S100178910**
NNE **7197 VILLAGE** **LUST** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **Alameda County CS**
0.376 mi. **Notify 65**
1987 ft. **Site 2 of 3 in cluster J**

Relative:
Lower

Actual:
337 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1006

LUST:

Region:	STATE
Global Id:	T0600100929
Latitude:	37.7100478907489
Longitude:	-121.926588714123
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/11/2002
Lead Agency:	ALAMEDA COUNTY LOP

BP #11116 (Continued) **S100178910**

Case Worker: EC
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-1006
LOC Case Number: RO0000211
File Location: Stored electronically as an E-file
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600100929
Contact Type: Local Agency Caseworker
Contact Name: EVA CHU
Organization Name: ALAMEDA COUNTY LOP
Address: 1131 HARBOR BAY PARKWAY
City: ALAMEDA
Email: Not reported
Phone Number: 5105676762

Global Id: T0600100929
Contact Type: Regional Board Caseworker
Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cmccaulou@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0600100929
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600100929
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 2:
Region: 2
Facility Id: 01-1006
Facility Status: Pollution Characterization
Case Number: 2043
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 8/29/1989
Pollution Characterization Began: 11/9/1990
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

BP #11116 (Continued) **S100178910**

Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000211
Site Contact:	CHU, EVA
PE:	5602

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92562

L47 **CROW CANYON CLEANERS** **SLIC** **S107138700**
West **7242 SAN RAMON ROAD** **N/A**
1/4-1/2 **DUBLIN, CA 94568**
0.389 mi.
2053 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
372 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	06/04/2009
Global Id:	SL0600100792
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	RO0002863
Latitude:	37.704356
Longitude:	-121.936552
Case Type:	Cleanup Program Site
Case Worker:	UUU
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	Not reported
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

L48 **CROW CANYON CLEANERS** **SLIC** **S108245942**
West **7272 SAN RAMON ROAD** **Alameda County CS** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **VCP**
0.395 mi. **DRYCLEANERS**
2084 ft. **Site 2 of 2 in cluster L** **ENVIROSTOR**

Relative:
Higher

Actual:
371 ft.

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	07/26/2005
Global Id:	T06019764784
Lead Agency:	ALAMEDA COUNTY LOP
Lead Agency Case Number:	RO0002863

CROW CANYON CLEANERS (Continued) **S108245942**

Latitude:	37.70469
Longitude:	-121.936635
Case Type:	Cleanup Program Site
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
File Location:	Stored electronically as an E-file
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Tetrachloroethylene (PCE)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Alameda County CS:

Status:	Pollution Characterization
Record Id:	RO0002863
Site Contact:	KHATRI, PARESH
PE:	5502

VCP:

Facility ID:	60000883
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, ALAMEDA COUNTY
Lead Agency:	ALAMEDA COUNTY
Lead Agency Description:	ALAMEDA COUNTY
Project Manager:	Harold (Bud) Duke
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Site Code:	201794
Assembly:	16
Senate:	07
Special Programs Code:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	11/17/2010
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.70500 / -121.9384
APN:	NONE SPECIFIED
Past Use:	DRY CLEANING
Potential COC:	30022
Confirmed COC:	30022
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	T06019764784
Alias Type:	GeoTracker Global ID
Alias Name:	201794
Alias Type:	Project Code (Site Code)
Alias Name:	60000883
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan

CROW CANYON CLEANERS (Continued) **S108245942**

Completed Date:	03/09/2009
Comments:	DTSC issued Workplan approval letter for SVE Pilot Test.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

DRYCLEANERS:

EPA Id:	CAL000288488
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	11/23/2004
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	7272 SAN RAMON RD
Mailing Address 2:	Not reported
Mailing State:	CA
Mailing Zip:	945683242
Owner Name:	PARK, NAM SUN
Owner Address:	109202 INSPIRATION CIR
Owner Address 2:	Not reported
Owner Telephone:	9254790717
Contact Name:	NAM SUN PARK
Contact Address:	7272 SAN RAMON RD
Contact Address 2:	Not reported
Contact Telephone:	9258291310

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.4
NPL:	NO
Regulatory Agencies:	SMBRP, ALAMEDA COUNTY
Lead Agency:	ALAMEDA COUNTY
Program Manager:	Harold (Bud) Duke
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Facility ID:	60000883
Site Code:	201794
Assembly:	16
Senate:	07
Special Program:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	11/17/2010
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED

CROW CANYON CLEANERS (Continued) **S108245942**

Funding: Responsible Party
Latitude: 37.70500
Longitude: -121.9384
APN: NONE SPECIFIED
Past Use: DRY CLEANING
Potential COC: 30022
Confirmed COC: 30022
Potential Description: IA, OTH, SOIL, SV
Alias Name: T06019764784
Alias Type: GeoTracker Global ID
Alias Name: 201794
Alias Type: Project Code (Site Code)
Alias Name: 60000883
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/09/2009
Comments: DTSC issued Workplan approval letter for SVE Pilot Test.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

K49 **SHELL #13-5243** **HIST CORTESE** **S103625113**
WSW **11989 DUBLIN** **LUST** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **Alameda County CS**
0.398 mi. **SWEEPS UST**
2101 ft. **Site 3 of 4 in cluster K** **HAZNET**

Relative:
Higher

Actual:
371 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-2267

LUST:
Region: STATE
Global Id: T0600102083
Latitude: 37.701824952
Longitude: -121.935882
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/05/2011
Lead Agency: ALAMEDA COUNTY LOP
Case Worker: JTW
Local Agency: ALAMEDA COUNTY LOP
RB Case Number: 01-2267
LOC Case Number: RO0000213
File Location: Stored electronically as an E-file

SHELL #13-5243 (Continued) **S103625113**

Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: The site is an active service station located at the corner of Dublin Boulevard and San Ramon Road in Dublin, California. Surrounding land use is commercial. During a piping and dispenser upgrade in June 1997, soil samples collected beneath the dispensers and product line trenches contained up to 12,000 ppm of total petroleum hydrocarbons as diesel (TPHd), 690 ppm of total petroleum hydrocarbons as gasoline (TPHg), and 8.9 ppm of MTBE. Four soil borings (SB-1 through SB-4) were advanced in November 1997 to define the extent of contamination. A grab groundwater sample collected from SB-2 contained 4,900 ppb of TPHd, 470 ppb of TPHg, and 370 ppb of MTBE. In August 1998, two soil borings were advanced in the area of the USTs. Soil samples from the two borings contained up to 300 ppm of TPHd, 11 ppb of TPHg, and 0.11 ppm of MTBE. Grab groundwater samples contained up to 54,000 ppb of TPHd, 140,000 ppb of TPHg, and 14,000 ppb of MTBE. Three groundwater monitoring wells (MW-1 through MW-3) were installed on-site in June 1999. An additional downgradient monitoring well (MW-4) was installed on a property across San Ramon Road and east from the site in July 2001. In April 2003, three off-site soil borings (SB-1 through SB-3) were advanced east of the site on a property across San Ramon Road. After a UST failed a tank tightness test in October 2004, the UST was repaired and returned to service. An Unauthorized Release Report was filed on November 11, 2004. In July 2005, five soil borings (B-1 through B-5) were advanced in the area of the USTs. Four USTs, piping, and dispensers were replaced in August 2005. Soil samples from the UST excavation contained up to 700 ppm of TPHd, 4,600 ppm of TPHg, 0.013 ppm of MTBE, and 21 ppm of TBA. Based on the soil sampling results from the UST excavation, approximately 1,000 cubic yards of soil was overexcavated and an additional 15 soil samples were collected following the excavation. Soil samples collected following overexcavation contained up to 240 ppm of TPHd, 420 ppm of TPHg, 0.59 ppm of MTBE, and 6.0 ppm of TBA. In November and December 2005, Delta Environmental installed one downgradient monitoring well (MW-5) on the property east of the site across San Ramon Road, advanced one direct-push soil boring (GP-3) on the property south of the site, and advanced two on-site cone penetrometer test (CPT) borings (CPT-1 and CPT-4). Four off-site CPT borings (CPT-2, CPT-3, CPT-5, and CPT-6) were advanced on the property east of the site to assess deeper groundwater conditions. Grab groundwater samples from the on-site CPT borings contained up to 100 ppb of TPHd, 68 ppb of TPHg, 55 ppb of MTBE, and 330 ppb of TBA. BTEX were not detected in grab groundwater samples from the on-site CPT borings. TPHg, BTEX, MTBE, and TBA were not detected in grab groundwater samples from the off-site CPT borings. In June and July 2006, two groundwater monitoring wells (MW 6 and MW-7) were installed on the property east of the site across San Ramon Road to monitor shallow and deeper groundwater conditions. Groundwater monitoring was conducted at the site from July 1999 to July 2010.

Click here to access the California GeoTracker records for this facility:

LUST:
Global Id: T0600102083
Contact Type: Local Agency Caseworker
Contact Name: JERRY WICKHAM
Organization Name: ALAMEDA COUNTY LOP

SHELL #13-5243 (Continued) **S103625113**

Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676791
Global Id:	T0600102083
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	08/04/2011
Action:	Notification - Fee Title Owners Notice - #20110804
Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	02/17/2011
Action:	Meeting - #20110217
Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	07/14/2011
Action:	Notice of Responsibility - #20110714
Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	12/05/2011
Action:	Closure/No Further Action Letter - #20111205
Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	07/14/2009
Action:	Staff Letter - #20090714
Global Id:	T0600102083
Action Type:	ENFORCEMENT
Date:	08/27/1997
Action:	Notice of Responsibility - #UNK
Global Id:	T0600102083
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0600102083
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0600102083
Action Type:	ENFORCEMENT

SHELL #13-5243 (Continued) **S103625113**

Date: 11/02/2011
Action: Staff Letter - #20111102

Global Id: T0600102083
Action Type: RESPONSE
Date: 02/27/2012
Action: Well Destruction Report

Global Id: T0600102083
Action Type: ENFORCEMENT
Date: 07/21/2011
Action: File Review - Closure - #20110721

Global Id: T0600102083
Action Type: ENFORCEMENT
Date: 02/13/2009
Action: Meeting

Global Id: T0600102083
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0600102083
Action Type: ENFORCEMENT
Date: 10/27/2011
Action: Staff Letter - #20111027

Global Id: T0600102083
Action Type: ENFORCEMENT
Date: 08/04/2011
Action: Notification - Preclosure - #20110804

Global Id: T0600102083
Action Type: ENFORCEMENT
Date: 08/04/2011
Action: Staff Letter - #20110804

LUST REG 2:
Region: 2
Facility Id: 01-2267
Facility Status: Leak being confirmed
Case Number: 4109
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 12/19/1997
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

SHELL #13-5243 (Continued) **S103625113**

Alameda County CS:

Status:	Pollution Characterization
Record Id:	RO0000213
Site Contact:	WICKHAM, JERRY
PE:	5602

Status:	Case Closed
Record Id:	RO0000213
Site Contact:	WICKHAM, JERRY
PE:	5602

SWEEPS UST:

Status:	A
Comp Number:	28572
Number:	1
Board Of Equalization:	44-000338
Ref Date:	05-14-91
Act Date:	05-14-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	01-000-028572-000001
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	4

Status:	A
Comp Number:	28572
Number:	1
Board Of Equalization:	44-000338
Ref Date:	05-14-91
Act Date:	05-14-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	2
Swrcb Tank Id:	01-000-028572-000002
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	28572
Number:	1
Board Of Equalization:	44-000338
Ref Date:	05-14-91
Act Date:	05-14-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	01-000-028572-000003

SHELL #13-5243 (Continued) **S103625113**

Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	28572
Number:	1
Board Of Equalization:	44-000338
Ref Date:	05-14-91
Act Date:	05-14-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	4
Swrcb Tank Id:	01-000-028572-000004
Actv Date:	07-01-85
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HAZNET:

Year:	2009
Gepaid:	CAD981402456
Contact:	R HULL/ENV. REPORTING ANALYST
Telephone:	2818742224
Mailing Name:	Not reported
Mailing Address:	12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip:	HOUSTON, TX 770670000
Gen County:	Alameda
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Alameda

Year:	2008
Gepaid:	CAL000318637
Contact:	HAMID MAGHSOUDI
Telephone:	9252860807
Mailing Name:	Not reported
Mailing Address:	11989 DUBLIN BLVD
Mailing City,St,Zip:	DUBLIN, CA 94568
Gen County:	Alameda
TSD EPA ID:	CAD980887418
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Alameda

SHELL #13-5243 (Continued) **S103625113**

Year:	1997
Gepaid:	CAD981402456
Contact:	EQUILON ENTERPRISES LLC
Telephone:	7132412258
Mailing Name:	Not reported
Mailing Address:	PO BOX 2099
Mailing City,St,Zip:	HOUSTON, TX 772522099
Gen County:	7
TSD EPA ID:	CAD009466392
TSD County:	7
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Recycler
Tons:	.1500
Facility County:	7

50
North
1/4-1/2
0.402 mi.
2124 ft.

UNOCAL SS#5366
7375 AMADOR VALLEY BLVD
DUBLIN, CA 94536

HIST CORTESE **S102439819**
LUST **N/A**
Alameda County CS
SWEEPS UST

Relative:
Lower

Actual:
339 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1610

LUST:

Region:	STATE
Global Id:	T0600101485
Latitude:	37.710375
Longitude:	-121.927458
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/16/1997
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-1610
LOC Case Number:	RO0000880
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600101485
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id: T0600101485

UNOCAL SS#5366 (Continued) **S102439819**

Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600101485
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600101485
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 2:

Region:	2
Facility Id:	01-1610
Facility Status:	Case Closed
Case Number:	3169
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	4/14/1988
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000880
Site Contact:	CHU, EVA
PE:	5602

SWEEPS UST:

Status:	Not reported
Comp Number:	3260
Number:	Not reported
Board Of Equalization:	44-000051
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-003260-000001
Actv Date:	Not reported

UNOCAL SS#5366 (Continued) **S102439819**

Capacity:	10000
Tank Use:	PETROLEUM
Stg:	WASTE
Content:	PETROLEUM
Number Of Tanks:	1

Status:	A
Comp Number:	3260
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-14-92
Act Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	5366-RU-1
Swrcb Tank Id:	01-000-003260-000002
Actv Date:	12-14-92
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	A
Comp Number:	3260
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-14-92
Act Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	5366-SU-1
Swrcb Tank Id:	01-000-003260-000003
Actv Date:	12-14-92
Capacity:	12000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	3260
Number:	2
Board Of Equalization:	44-000051
Ref Date:	12-14-92
Act Date:	11-19-93
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	5366-WO-1
Swrcb Tank Id:	01-000-003260-000004
Actv Date:	12-14-92
Capacity:	600
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

J51 NNE 1/4-1/2 0.412 mi. 2177 ft. | **BP WEST COAST PRODUCTS LLC 6041**
7249 VILLAGE PKWY
DUBLIN, CA 94566

Site 3 of 3 in cluster J

HIST CORTESE
LUST
Alameda County CS
CHMIRS
Notify 65
HAZNET

S100179467
N/A

Relative: Lower

Actual: 340 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0117

LUST:

Region:	STATE
Global Id:	T0600100109
Latitude:	37.710691304
Longitude:	-121.926759972
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	08/30/2001
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	PK
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0117
LOC Case Number:	RO0000452
File Location:	Stored electronically as an E-file
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	In June 1990, one waste oil UST was removed from the site. In September 1991, three borings (B-1 though B-3), which were converted to groundwater monitoring well MW-1 through MW-3 were installed at the site. Petroleum hydrocarbons were detected in soil and groundwater. In October 1992, seven additional borings, of which three were converted to monitoring wells MW-4 through MW-6, were installed at the site. Elevated concentrations of petroleum hydrocarbons were detected in soil. An SVE pilot test was conducted on November 10, 1992. Results of the SVE test suggested that SVE is a viable remediation technology for the site. In August 1993, six borings (B-11 through B-16) were installed in the vicinity of the USTs and dispensers. Significantly elevated concentrations of TPH-g and benzene were detected in soil samples collected at the site. In February 1994, RESNA conducted air sparging test using helium as a tracer. Based on results, air sparging did not appear to be a viable technology for the site. On July 27, 2001, three USTs were removed from the site. A total of 4,150 tons (approx 3,192 cubic yds) of soil was removed during all over-excavation activities and approximately 25,600 gallon of impacted groundwater was removed from the site. However, significantly elevated residual concentrations of TPH-g and benzene remain at the site in the vicinity of the former USTs.

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100109
Contact Type:	Local Agency Caseworker
Contact Name:	PARESH KHATRI
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY

BP WEST COAST PRODUCTS LLC 6041 (Continued) **S100179467**

City:	ALAMEDA
Email:	Not reported
Phone Number:	5107772478
Global Id:	T0600100109
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100109
Action Type:	ENFORCEMENT
Date:	07/28/2009
Action:	Staff Letter - #20090728
Global Id:	T0600100109
Action Type:	ENFORCEMENT
Date:	07/09/2009
Action:	Technical Correspondence / Assistance / Other - #20090709
Global Id:	T0600100109
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported
Global Id:	T0600100109
Action Type:	ENFORCEMENT
Date:	10/21/1992
Action:	* Historical Enforcement - #UNK
Global Id:	T0600100109
Action Type:	Other
Date:	01/01/1950
Action:	Leak Discovery
Global Id:	T0600100109
Action Type:	RESPONSE
Date:	07/09/2010
Action:	Soil and Water Investigation Workplan - Addendum
Global Id:	T0600100109
Action Type:	ENFORCEMENT
Date:	05/06/2010
Action:	Staff Letter - #20100506
Global Id:	T0600100109
Action Type:	RESPONSE
Date:	10/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0600100109
Action Type:	RESPONSE
Date:	04/30/2011

BP WEST COAST PRODUCTS LLC 6041 (Continued) **S100179467**

Action: Monitoring Report - Semi-Annually

Global Id: T0600100109
Action Type: REMEDIATION
Date: 01/01/1950
Action: In Situ Physical/Chemical Treatment (other than SVE)

LUST REG 2:
Region: 2
Facility Id: 01-0117
Facility Status: Pollution Characterization
Case Number: RO0000452
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/27/1991
Preliminary Site Assesment Began: 9/20/1991
Pollution Characterization Began: 2/24/1994
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Preliminary Site Assessment Underway
Record Id: RO0000452
Site Contact: KHATRI, PARESH
PE: 5602

Status: Pollution Characterization
Record Id: RO0000452
Site Contact: KHATRI, PARESH
PE: 5602

Status: Verificaiton Monitoring Underway
Record Id: RO0000452
Site Contact: KHATRI, PARESH
PE: 5602

CHMIRS:
OES Incident Number: 01-4250
OES notification: 7/24/200103:18:07 PM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported

BP WEST COAST PRODUCTS LLC 6041 (Continued) **S100179467**

Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Atlantic Richfield
Incident Date:	7/23/200112:00:00 AM
Admin Agency:	Alameda County Environmental Health
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Hydraulic Fluid
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	10
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0.000000
Evacuations:	0

BP WEST COAST PRODUCTS LLC 6041 (Continued) **S100179467**

Number of Injuries: 0
Number of Fatalities: 0
Description: Facility was being demolished and workers removed two hydraulic hoists, and the hoists leaked fluid.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92562

HAZNET:
Year: 2011
Gepaid: CAL000365740
Contact: GREG MARLER
Telephone: 5303217794
Mailing Name: Not reported
Mailing Address: 7249 VILLAGE PKWY
Mailing City,St,Zip: DUBLIN, CA 945682029
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.496
Facility County: Alameda

Year: 2007
Gepaid: CAL000244399
Contact: RUTH HA / WASTE SPECIALIST
Telephone: 5035246191
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.14
Facility County: Alameda

Year: 2006
Gepaid: CAL000244399
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Los Angeles

BP WEST COAST PRODUCTS LLC 6041 (Continued) **S100179467**

Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.04
Facility County: 1

Year: 2004
Gepaid: CAL000244399
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.33
Facility County: Not reported

Year: 2003
Gepaid: CAL000244399
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Alameda
TSD EPA ID: CAT080013352
TSD County: Alameda
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.2
Facility County: 1

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

K52 **UNOCAL SERVICE STATION #5901** **HIST CORTESE** **U003713428**
WSW **11976 DUBLIN BLVD** **LUST** **N/A**
1/4-1/2 **DUBLIN, CA 94568** **Alameda County CS**
0.415 mi. **SWEEPS UST**
2189 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

Actual:
371 ft.

CORTESE:
Region: CORTESE
Facility County Code: 1
Reg By: LTNKA
Reg Id: 01-1571

LUST:
Region: STATE
Global Id: T0600101446
Latitude: 37.701997446
Longitude: -121.9359185
Case Type: LUST Cleanup Site
Status: Completed - Case Closed

UNOCAL SERVICE STATION #5901 (Continued) **U003713428**

Status Date:	02/01/1996
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-1571
LOC Case Number:	RO0000890
File Location:	Stored electronically as an E-file
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600101446
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600101446
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600101446
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Excavation

Global Id:	T0600101446
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 2:

Region:	2
Facility Id:	01-1571
Facility Status:	Case Closed
Case Number:	1939
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	11/6/1990
Pollution Characterization Began:	Not reported

UNOCAL SERVICE STATION #5901 (Continued) **U003713428**

Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Alameda County CS:
Status: Case Closed
Record Id: RO0000890
Site Contact: CHU, EVA
PE: 5602

SWEEPS UST:
Status: Not reported
Comp Number: 30772
Number: Not reported
Board Of Equalization: 44-000051
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-030772-000001
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: PRM UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 30772
Number: Not reported
Board Of Equalization: 44-000051
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-030772-000002
Actv Date: Not reported
Capacity: 12000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 30772
Number: Not reported
Board Of Equalization: 44-000051
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-030772-000003
Actv Date: Not reported

UNOCAL SERVICE STATION #5901 (Continued) **U003713428**

Capacity:	520
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	Not reported

M53
NNE
1/4-1/2
0.425 mi.
2245 ft.

TARGET
7200 AMADOR VALLEY
DUBLIN, CA 94566

HIST CORTESE **S105023526**
N/A

Site 1 of 2 in cluster M

Relative:
Lower

Actual:
338 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1447

N54
NNW
1/4-1/2
0.430 mi.
2269 ft.

DOUGHERTY REGIONAL FIRE A
7494 DONOHUE
DUBLIN, CA 94568

HIST CORTESE **S105023528**
N/A

Site 1 of 2 in cluster N

Relative:
Higher

Actual:
349 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-0513

N55
NNW
1/4-1/2
0.432 mi.
2281 ft.

DOUGHERTY REGIONAL FIRE
7494 DONAHUE
DUBLIN, CA 94568

LUST **S103890853**
Alameda County CS **N/A**

Site 2 of 2 in cluster N

Relative:
Higher

Actual:
349 ft.

LUST:

Region:	STATE
Global Id:	T0600100467
Latitude:	37.710288
Longitude:	-121.932664
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/04/1995
Lead Agency:	ALAMEDA COUNTY LOP
Case Worker:	EC
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	01-0513
LOC Case Number:	RO0000962
File Location:	Stored electronically as an E-file
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

DOUGHERTY REGIONAL FIRE (Continued) **S103890853**

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id:	T0600100467
Contact Type:	Local Agency Caseworker
Contact Name:	EVA CHU
Organization Name:	ALAMEDA COUNTY LOP
Address:	1131 HARBOR BAY PARKWAY
City:	ALAMEDA
Email:	Not reported
Phone Number:	5105676762

Global Id:	T0600100467
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cmccaulou@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0600100467
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Not reported

Global Id:	T0600100467
Action Type:	Other
Date:	01/01/1950
Action:	Leak Reported

LUST REG 2:

Region:	2
Facility Id:	01-0513
Facility Status:	Case Closed
Case Number:	4442
How Discovered:	Tank Closure
Leak Cause:	Structure Failure
Leak Source:	Tank
Date Leak Confirmed:	Not reported
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	5/15/1990
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Alameda County CS:

Status:	Case Closed
Record Id:	RO0000962
Site Contact:	CHU, EVA
PE:	5602

M56 NNE 1/4-1/2 0.438 mi. 2314 ft. | **SHELL**
7194 AMADOR VALLEY
DUBLIN, CA 94568

Site 2 of 2 in cluster M | **HIST CORTESE** | **S101293451**
N/A

Relative: Lower

Actual: 338 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	01-1379

---

57 SE 1/2-1 0.640 mi. 3380 ft. | **NUCLEPORE CORP**
7035 COMMERCE CIRCLE
PLEASANTON, CA 94566

CERC-NFRAP
RCRA-SQG
FINDS
SLIC
HIST UST
CHMIRS
ENVIROSTOR

1000280254
CAD981171648

Relative: Lower

Actual: 330 ft.

CERC-NFRAP:

Site ID:	0902281
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13051614.00000
Person ID:	9271184.00000
Contact Sequence ID:	13286326.00000
Person ID:	13003854.00000
Contact Sequence ID:	13291921.00000
Person ID:	13003858.00000
Contact Sequence ID:	13297779.00000
Person ID:	13004003.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	PREVIOUS CERCLIS ID CAD061167417
Alias Address:	Not reported
	CA

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	07/01/1984
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	07/01/1984
Priority Level:	Low priority for further assessment
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	08/01/1985

NUCLEPORE CORP (Continued) **1000280254**

Priority Level: Low priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 08/01/1985
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 07/06/1990
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 07/06/1990
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: NUCLEPORE CORP
Facility address: 7035 COMMERCE CIRCLE
PLEASANTON, CA 94566
EPA ID: CAD981171648
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NUCLEPORE CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported

NUCLEPORE CORP (Continued) **1000280254**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 09/01/1996
Facility name: NUCLEPORE CORP
Classification: Small Quantity Generator

Date form received by agency: 03/30/1992
Facility name: NUCLEPORE CORP
Site name: COSTAR CORP.
Classification: Large Quantity Generator

Date form received by agency: 01/22/1986
Facility name: NUCLEPORE CORP
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002147141

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**

NUCLEPORE CORP (Continued) **1000280254**

Status Date:	01/01/2005
Global Id:	T0600191468
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.697043
Longitude:	-121.916745
Case Type:	Cleanup Program Site
Case Worker:	CCM
Local Agency:	Not reported
RB Case Number:	01S0015
File Location:	Not reported
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	* Solvents
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000050201
Facility Type:	Other
Other Type:	MEMBRANE MFG.
Total Tanks:	0001
Contact Name:	D.L. LILLEGARD
Telephone:	4154632530
Owner Name:	NUCLEPORE CORPORATION
Owner Address:	7035 COMMERCE CIRCLE
Owner City,St,Zip:	PLEASANTON, CA 94566
Tank Num:	001
Container Num:	#1
Year Installed:	1975
Tank Capacity:	00005000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Tank Construction:	8 inches
Leak Detection:	Groundwater Monitoring Well

CHMIRS:

OES Incident Number:	8910544
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	10-JUL-89
Date Completed:	**10-JUL-89**
Property Use:	936
Agency Id Number:	1095
Agency Incident Number:	91356
Time Notified:	1407
Time Completed:	1605
Surrounding Area:	962
Estimated Temperature:	85
Property Management:	P
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported

NUCLEPORE CORP (Continued) **1000280254**

Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	JOHN W. VINSON
Report Date:	10-JUL-89
Comments:	Not reported
Facility Telephone:	415 484-8105
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	03-JUL-90
Substance:	Not reported
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Not reported

NUCLEPORE CORP (Continued) **1000280254**

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Berkeley
Facility ID:	71002732
Site Code:	Not reported
Assembly:	16
Senate:	07
Special Program:	Not reported
Status:	Refer: Local Agency
Status Date:	01/03/1997
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.69704
Longitude:	-121.9167
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD981171648
Alias Type:	EPA Identification Number
Alias Name:	71002732
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	01/06/1997
Comments:	Facility Closed under City of Pleasanton oversight. Phase 1 checklist indicates no releases and recommends no further action.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

58 ESE 1/2-1 0.646 mi. 3409 ft. | **PHOSITOR TECHNOLOGIES**
7079 COMMERCE CIR
PLEASANTON, CA 94566 | **NPDES**
HAZNET
ENVIROSTOR | **S103669909**
N/A

Relative: Lower

Actual: 330 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	2
Regulatory Measure Id:	275283
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	2 01I003995
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/20/2009
Discharge Name:	Pall Corp
Discharge Address:	7079 Commerce Cir
Discharge City:	Pleasanton
Discharge State:	California
Discharge Zip:	94588

HAZNET:

Year:	2011
Gepaid:	CAC002661685
Contact:	RODOLFO VENEGAS
Telephone:	5102585114
Mailing Name:	Not reported
Mailing Address:	4408 CAMBRIA ST
Mailing City,St,Zip:	FREMONT, CA 94538
Gen County:	Not reported
TSD EPA ID:	CAD980887418
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.11259
Facility County:	Alameda

Year:	2003
Gepaid:	CAL000183427
Contact:	BOON- SIEW OOI
Telephone:	9255807821
Mailing Name:	Not reported
Mailing Address:	7079 COMMERCE CIR
Mailing City,St,Zip:	PLEASANTON, CA 945888016
Gen County:	Alameda
TSD EPA ID:	CAT080033681
TSD County:	Alameda
Waste Category:	Liquids with pH <= 2
Disposal Method:	Not reported
Tons:	0.02
Facility County:	1

PHOSITOR TECHNOLOGIES (Continued) **S103669909**

Year:	2003
Gepaid:	CAL000183427
Contact:	BOON- SIEW OOI
Telephone:	9255807821
Mailing Name:	Not reported
Mailing Address:	7079 COMMERCE CIR
Mailing City,St,Zip:	PLEASANTON, CA 945888016
Gen County:	Alameda
TSD EPA ID:	CAT080033681
TSD County:	Alameda
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Not reported
Tons:	0.22
Facility County:	1

Year:	2003
Gepaid:	CAL000183427
Contact:	BOON- SIEW OOI
Telephone:	9255807821
Mailing Name:	Not reported
Mailing Address:	7079 COMMERCE CIR
Mailing City,St,Zip:	PLEASANTON, CA 945888016
Gen County:	Alameda
TSD EPA ID:	CAD044003556
TSD County:	Alameda
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Tons:	0.83
Facility County:	1

Year:	2003
Gepaid:	CAL000183427
Contact:	BOON- SIEW OOI
Telephone:	9255807821
Mailing Name:	Not reported
Mailing Address:	7079 COMMERCE CIR
Mailing City,St,Zip:	PLEASANTON, CA 945888016
Gen County:	Alameda
TSD EPA ID:	CAD008252405
TSD County:	Alameda
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.14
Facility County:	1

Click this hyperlink while viewing on your computer to access
42 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported

PHOSITOR TECHNOLOGIES (Continued) **S103669909**

Division Branch:	Cleanup Berkeley
Facility ID:	71002728
Site Code:	Not reported
Assembly:	16
Senate:	07
Special Program:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.69707
Longitude:	-121.9196
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD981166051
Alias Type:	EPA Identification Number
Alias Name:	71002728
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/12/1996
Comments:	Phase 1 Checklist indicates the no further action is needed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Addendum
Completed Date:	02/28/1997
Comments:	Follow up on complaints noted in Phase 1. Prop 65 notice filed but no specific information available
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	08/02/1994
Comments:	Treatment unit closed.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

59 WSW 1/2-1 0.658 mi. 3472 ft.

HEXCEL CORP
11711 DUBLIN BLVD
DUBLIN, CA 94568

NPDES **S100936877**
HIST CORTESE **N/A**
SLIC
ENVIROSTOR

Relative: Higher

Actual: 385 ft.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	2
Regulatory Measure Id:	180917
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	2 01I011071
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/11/1994
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Hexcel Corp
Discharge Address:	11711 Dublin Blvd
Discharge City:	Dublin
Discharge State:	California
Discharge Zip:	94568

CORTESE:

Region:	CORTESE
Facility County Code:	1
Reg By:	LTNKA
Reg Id:	2807

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/01/2008
Global Id:	T0600191495
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Lead Agency Case Number:	Not reported
Latitude:	37.698681
Longitude:	-121.951803
Case Type:	Cleanup Program Site
Case Worker:	MEJ
Local Agency:	Not reported
RB Case Number:	01S0086
File Location:	Regional Board
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	* Solvents
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO

HEXCEL CORP (Continued) **S100936877**

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Facility ID: 71002100
Site Code: Not reported
Assembly: 16
Senate: 07
Special Program: Not reported
Status: Inactive - Needs Evaluation
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.69963
Longitude: -121.9406
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000056069
Alias Type: EPA Identification Number
Alias Name: 71002100
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/12/1997
Comments: Phase 1 checklist indicates no releases.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

60
SE
1/2-1
0.759 mi.
4005 ft.

CLOROX TECHNICAL CENTER, THE
7200 JOHNSON DRIVE
PLEASANTON, CA 94588

NPDES **S108418425**
SLIC **N/A**
Alameda County CS
ENVIROSTOR

Relative:
Lower

Actual:
329 ft.

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 2
Regulatory Measure Id: 180981
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee

CLOROX TECHNICAL CENTER, THE (Continued) **S108418425**

Place Id:	Not reported
WDID:	2 01I012447
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/31/1996
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Clorox Co
Discharge Address:	7200 Johnson Dr
Discharge City:	Pleasanton
Discharge State:	California
Discharge Zip:	94588

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/19/2007
Global Id:	SLT19726987
Lead Agency:	ALAMEDA COUNTY LOP
Lead Agency Case Number:	RO0002940
Latitude:	37.693723
Longitude:	-121.918708
Case Type:	Cleanup Program Site
Case Worker:	JTW
Local Agency:	ALAMEDA COUNTY LOP
RB Case Number:	NA
File Location:	Stored electronically as an E-file
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Alameda County CS:

Status:	Leak Confirmation
Record Id:	RO0002940
Site Contact:	WICKHAM, JERRY
PE:	5502

Status:	Preliminary Site Assessment Workplan Submitted
Record Id:	RO0002940
Site Contact:	WICKHAM, JERRY
PE:	5502

Status:	Pollution Characterization
Record Id:	RO0002940
Site Contact:	WICKHAM, JERRY
PE:	5502

Status:	Remedial Action Underway
Record Id:	RO0002940
Site Contact:	WICKHAM, JERRY
PE:	5502

Status:	Case Closed
Record Id:	RO0002940

CLOROX TECHNICAL CENTER, THE (Continued) **S108418425**

Site Contact: WICKHAM, JERRY
PE: 5502

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Karen Toth
Division Branch:	Cleanup Berkeley
Facility ID:	71002553
Site Code:	Not reported
Assembly:	16
Senate:	07
Special Program:	Not reported
Status:	No Further Action
Status Date:	01/19/1996
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	37.69531
Longitude:	-121.9178
APN:	NONE SPECIFIED
Past Use:	UNKNOWN
Potential COC:	31001
Confirmed COC:	31001-NO
Potential Description:	UE
Alias Name:	CAD071684708
Alias Type:	EPA Identification Number
Alias Name:	71002553
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	08/29/1996
Comments:	Phase 1 environmental checklist indicates there were no releases so no further action is needed. Unit closure approved on January 19, 1996.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

61 SSW 1/2-1 0.820 mi. 4329 ft. | **MOLLER PROPERTY**
5710 FOOTHILL ROAD,
PLEASANTON, CA 92561 | **Notify 65** | **S100226927**
N/A

Relative: Higher

Actual: 377 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92561

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62 ENE 1/2-1 0.848 mi. 4480 ft. | **AMERICAN XTAL TECHNOLOGY**
6780 SIERRA CT #1
DUBLIN, CA 94568 | **ENVIROSTOR** | **S110493625**
N/A

Relative: Lower

Actual: 338 ft.

ENVIROSTOR:

Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Berkeley
Facility ID:	71003129
Site Code:	Not reported
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Status:	Refer: Other Agency
Status Date:	Not reported
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD983595976
Alias Type:	EPA Identification Number
Alias Name:	71003129
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	10/24/2000
Comments:	Phase 1 checklist indicates no further action required. DTSC has not verified this information.

AMERICAN XTAL TECHNOLOGY (Continued) **S110493625**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Non-Submittal
Completed Date:	02/26/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 10 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALAMEDA COUNTY	1014915220	BRANN STREET MERCURY	6408 BRANN STREET		CERCLIS
ALAMEDA COUNTY	S106235193	SANTA RITA PROPERTY	PARCEL 15 DUBLIN BLVD / HACI		SLIC
ALAMEDA COUNTY	2011974526	UNKNOWN SHEEN INCIDENT BEHIND ADDR	UNKNOWN SHEEN INCIDENT BEHIND		ERNS
DUBLIN	A100345738	FEDERAL CORRECTIONS INSTITUTE	5701 8TH ST., CAMP PARKS		AST
DUBLIN	S106235211	SANTA FE PACIFIC PIPELINE PARTNERS	DOUGHERTY RD & AMADOR VALLEY		SLIC
DUBLIN	S106235163	WARMINGTON HOMES - HANSEN HILLS	DUBLIN BLVD & SILVERGATE DR	94568	SLIC
DUBLIN	1014915658	TARGET STORE NO 2771	2800 DUBLIN BLVD	94568	RCRA-SQG
DUBLIN	S109118022	SANTA RITA PROPERTY	PARCEL 15 DUBLIN BLVD & HACIE		SLIC
DUBLIN	S106880542	SANTA RITA OLD GRAYSTONE	580 E SANTA RITA RD	94568	Alameda County CS
DUBLIN	S108246038	PARCEL NO 550-39-3	ZERO DUBLIN BLVD & SCARLETT C	94568	SLIC, Alameda County CS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/10/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 5

Source: EPA
Telephone: N/A
Last EDR Contact: 07/05/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 04/05/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 07/05/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 04/05/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 07/05/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011
Date Data Arrived at EDR: 02/27/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 14

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 07/05/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011
Date Data Arrived at EDR: 02/27/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 14

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 07/05/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011
Date Data Arrived at EDR: 12/30/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/21/2012
Date Data Arrived at EDR: 05/22/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 30

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/22/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/14/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/14/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/07/2012
Date Data Arrived at EDR: 05/08/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/25/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/07/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/19/2012
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/06/2012
Number of Days to Update: 18

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/07/2012
Date Data Arrived at EDR: 05/08/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 69

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 42

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/07/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/28/2012
Date Data Arrived at EDR: 02/29/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 76

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/12/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 02/17/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 42

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/25/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/10/2012
Date Data Arrived at EDR: 05/10/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 15

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/16/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 34

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/14/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/06/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/27/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/21/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/12/2012
Date Data Arrived at EDR: 03/13/2012
Date Made Active in Reports: 04/02/2012
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/25/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 24

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/12/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/14/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/14/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 01/25/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/13/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/29/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/05/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/29/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012
Date Data Arrived at EDR: 01/12/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/11/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/12/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/21/2012
Date Data Arrived at EDR: 05/22/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/22/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Quarterly

UIC: UIC Listing
A listing of underground control injection wells.

Date of Government Version: 12/09/2011
Date Data Arrived at EDR: 02/29/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 35
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 07/24/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 69
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 01/19/2012
Date Data Arrived at EDR: 01/19/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 33

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/15/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Varies

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 03/31/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/18/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2012
Date Data Arrived at EDR: 05/24/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 43

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/31/2012
Date Data Arrived at EDR: 06/01/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 60

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2012
Date Data Arrived at EDR: 04/12/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 26

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/17/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Quarterly

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 06/01/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 24

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 05/24/2012
Date Data Arrived at EDR: 06/05/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 06/13/2012
Date Data Arrived at EDR: 06/14/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 22

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/06/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/09/2012
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/29/2012
Date Data Arrived at EDR: 05/29/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 23

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/23/2012
Date Data Arrived at EDR: 04/24/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 31

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/26/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/24/2012
Number of Days to Update: 23

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/17/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/12/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 08/02/2012
Number of Days to Update: 10

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/12/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 05/22/2012
Date Data Arrived at EDR: 05/29/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 38

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/23/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 25

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 06/21/2012
Number of Days to Update: 34

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 05/24/2012
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/12/2012
Date Data Arrived at EDR: 06/13/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 23

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/23/2012
Date Data Arrived at EDR: 04/24/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/25/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/06/2012
Number of Days to Update: 18

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/25/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/07/2012
Date Data Arrived at EDR: 04/16/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 22

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2012
Date Data Arrived at EDR: 04/17/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/30/2012
Date Data Arrived at EDR: 05/31/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 36

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/13/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/15/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/25/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 34

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/09/2012
Date Data Arrived at EDR: 04/09/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 29

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/17/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/19/2012
Date Data Arrived at EDR: 06/20/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 16

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/18/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 06/04/2012
Date Data Arrived at EDR: 06/08/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 28

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/15/2012
Date Data Arrived at EDR: 05/15/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 10

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/18/2012
Date Data Arrived at EDR: 06/21/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 15

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/15/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/18/2012
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/15/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 03/31/2012
Date Data Arrived at EDR: 06/29/2012
Date Made Active in Reports: 08/09/2012
Number of Days to Update: 41

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/11/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 24

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 42

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/21/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 10/22/2012
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/30/2012
Date Data Arrived at EDR: 05/04/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 21

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/30/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/27/2012
Date Data Arrived at EDR: 06/29/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 32

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/29/2012
Date Data Arrived at EDR: 07/09/2012
Date Made Active in Reports: 08/02/2012
Number of Days to Update: 24

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/21/2012
Date Data Arrived at EDR: 05/22/2012
Date Made Active in Reports: 05/31/2012
Number of Days to Update: 9

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/22/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 04/27/2012
Date Made Active in Reports: 06/05/2012
Number of Days to Update: 39

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CROWN CHEVROLET CADILLAC ISUZU
7544 DUBLIN BOULEVARD
DUBLIN, CA 94568

TARGET PROPERTY COORDINATES

Latitude (North):	37.7035 - 37˚ 42' 12.60''
Longitude (West):	121.9286 - 121˚ 55' 42.96''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	594447.2
UTM Y (Meters):	4173253.8
Elevation:	345 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37121-F8 DUBLIN, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

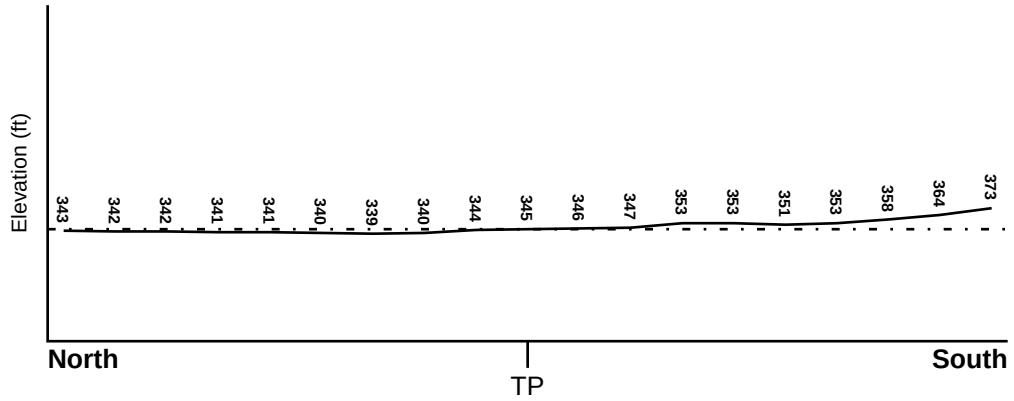
TOPOGRAPHIC INFORMATION

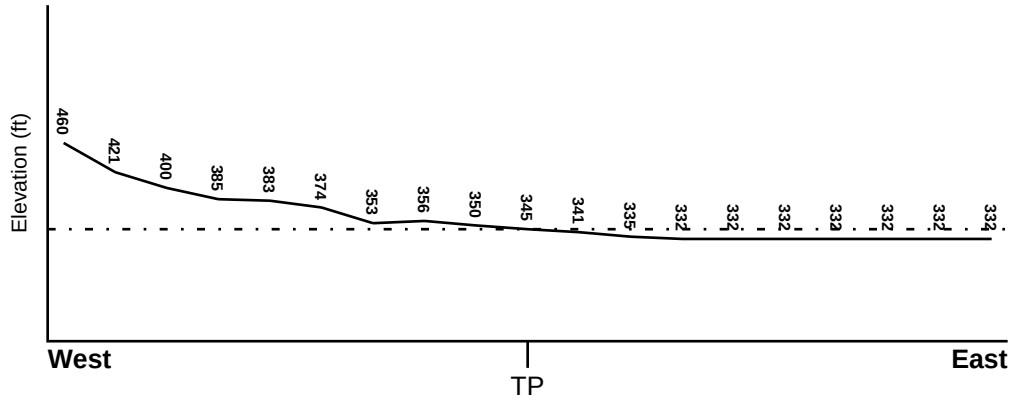
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

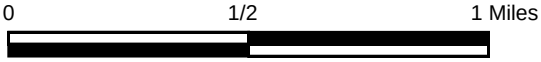
General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 345 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ALAMEDA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06001C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
DUBLIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	0 - 1/8 Mile NW	NE
A2	0 - 1/8 Mile NW	SE
A3	0 - 1/8 Mile North	NW
A4	0 - 1/8 Mile WNW	S
5	0 - 1/8 Mile West	SE
6	1/8 - 1/4 Mile NNW	Varies
B8	1/4 - 1/2 Mile NNE	Flat
B9	1/4 - 1/2 Mile NNE	Flat
B10	1/4 - 1/2 Mile NNE	NE

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
B11	1/4 - 1/2 Mile NNE	SSE
C13	1/4 - 1/2 Mile WSW	ESE
C14	1/4 - 1/2 Mile WSW	ESE
D15	1/4 - 1/2 Mile NW	E
E16	1/4 - 1/2 Mile WNW	SE
E17	1/4 - 1/2 Mile WNW	E
D18	1/4 - 1/2 Mile NNW	E
F19	1/4 - 1/2 Mile North	Varies
F20	1/4 - 1/2 Mile North	Varies
F21	1/4 - 1/2 Mile North	Varies
22	1/4 - 1/2 Mile WSW	NE
F23	1/4 - 1/2 Mile North	E
F24	1/4 - 1/2 Mile North	E
I28	1/2 - 1 Mile North	NW
I30	1/2 - 1 Mile North	Varies
I31	1/2 - 1 Mile North	W
J32	1/2 - 1 Mile NNW	Varies
J33	1/2 - 1 Mile NNW	E,SE,Varies
J34	1/2 - 1 Mile NNW	Varies
J35	1/2 - 1 Mile NNW	Varies
I36	1/2 - 1 Mile North	Varies
K38	1/2 - 1 Mile East	Varies
K39	1/2 - 1 Mile East	Varies
41	1/2 - 1 Mile ESE	Not Reported
L42	1/2 - 1 Mile East	SW
L43	1/2 - 1 Mile East	SE
L44	1/2 - 1 Mile East	SE
45	1/2 - 1 Mile East	Varies

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

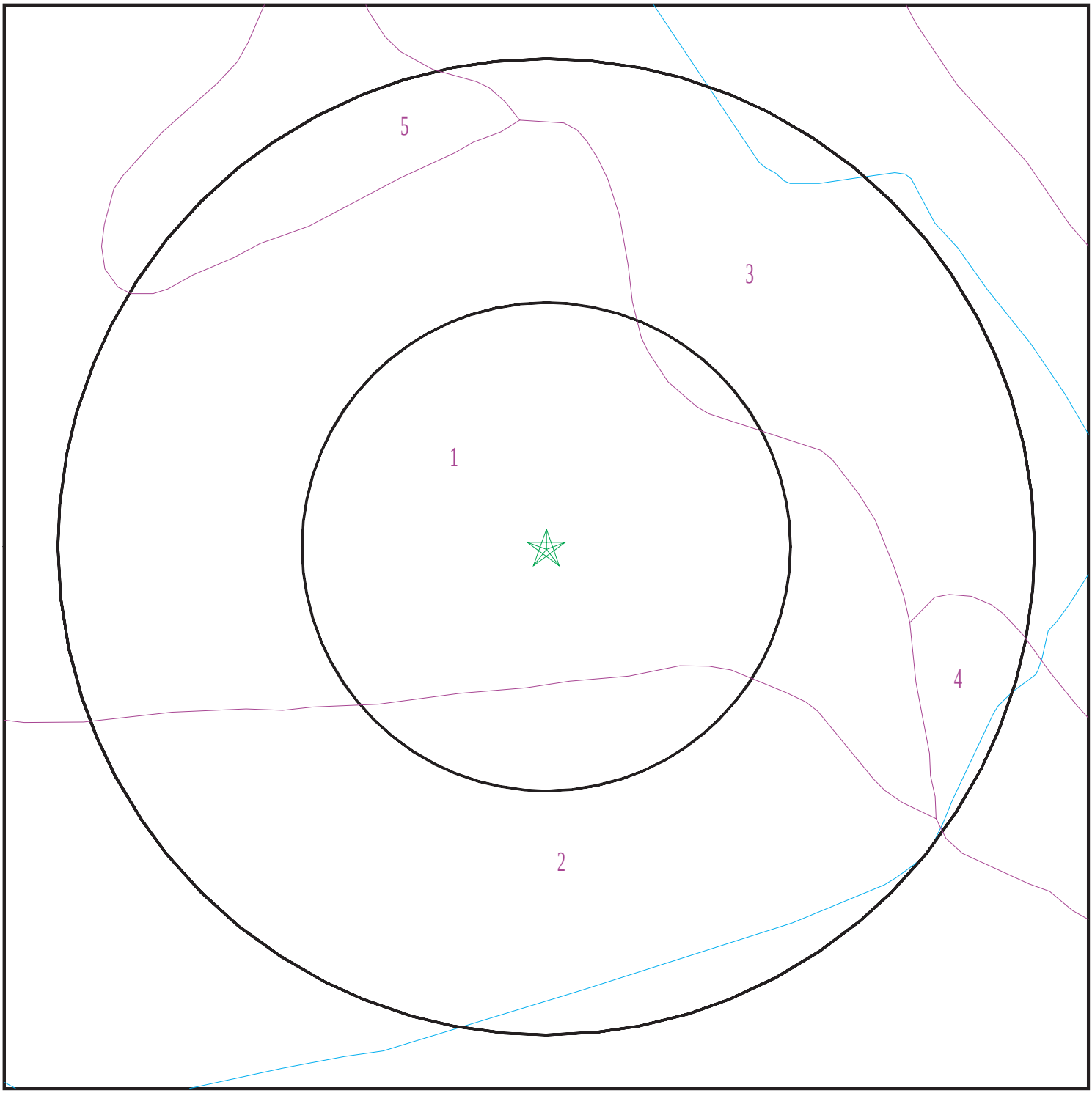
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tpc *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3389904.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Crown Chevrolet Cadillac Isuzu	CLIENT:	AMEC E&I, Inc.
ADDRESS:	7544 Dublin Boulevard Dublin CA 94568	CONTACT:	Susan Panttaja
		INQUIRY #:	3389904.2s
LAT/LONG:	37.7035 / 121.9286	DATE:	August 15, 2012 4:52 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Danville

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.5
2	20 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.5
3	53 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.5

Soil Map ID: 2

Soil Component Name: Yolo

Soil Surface Texture: loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	16 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: Pescadero

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	1 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
3	20 inches	72 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 4

Soil Component Name: Clear Lake

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
2	35 inches	64 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: Sunnyvale

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	18 inches	42 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	42 inches	66 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
7	USGS3223041	1/4 - 1/2 Mile SSE
G25	USGS3222895	1/4 - 1/2 Mile NE
H26	USGS3223102	1/2 - 1 Mile WNW
G27	USGS3222891	1/2 - 1 Mile NE
H29	USGS3223106	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
37	USGS3223095	1/2 - 1 Mile ENE
40	USGS3223094	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

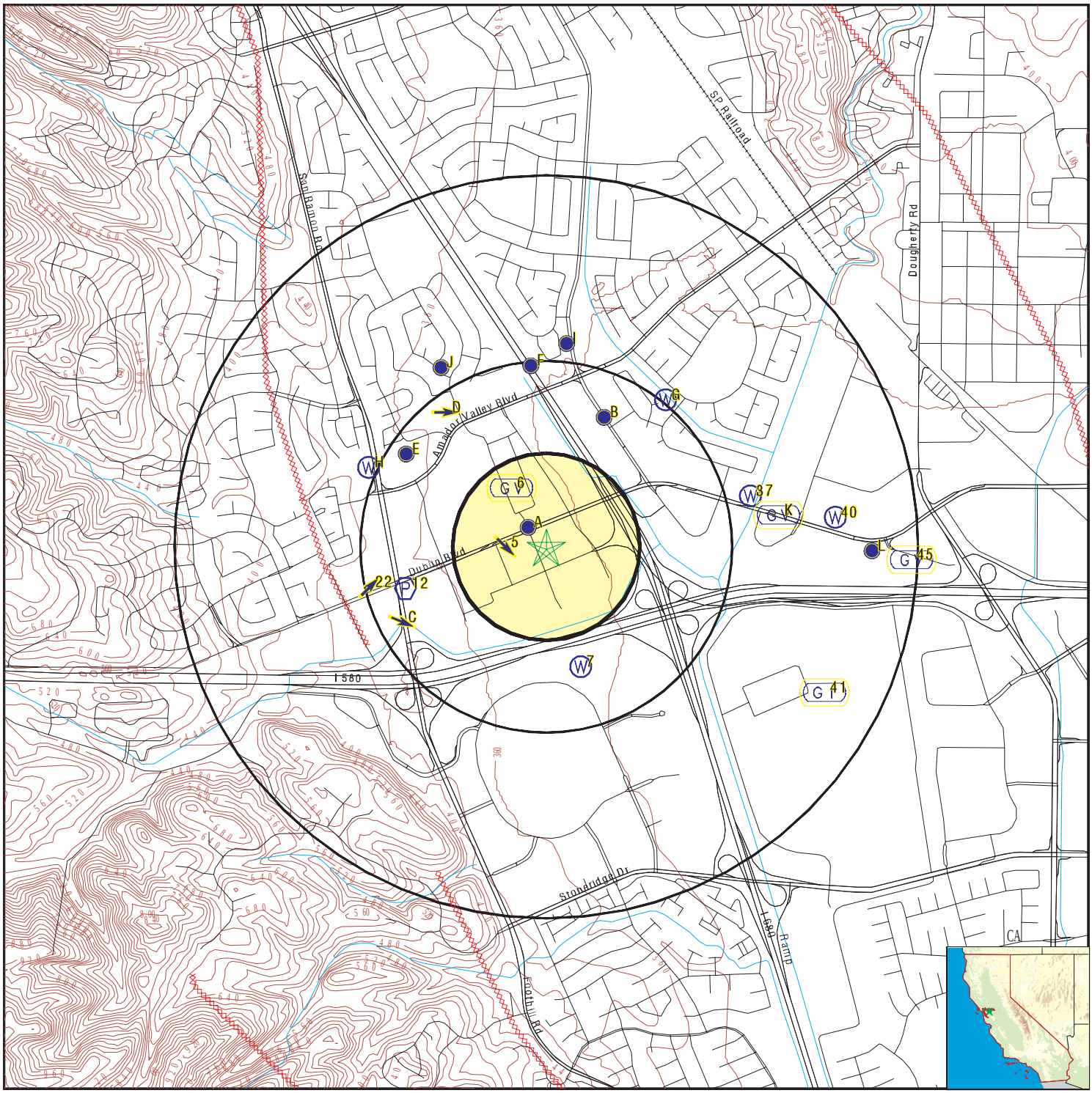
MAP ID	WELL ID	LOCATION FROM TP
12	CA0110009	1/4 - 1/2 Mile WSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3389904.2s



0 1/4 1/2 1 Miles

N

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: Crown Chevrolet Cadillac Isuzu	CLIENT: AMEC E&I, Inc.
ADDRESS: 7544 Dublin Boulevard	CONTACT: Susan Panttaja
Dublin CA 94568	INQUIRY #: 3389904.2s
LAT/LONG: 37.7035 / 121.9286	DATE: August 15, 2012 4:52 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
A1 **NW** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1158 NE 5.92 7.88 Not Reported 07/17/1995	**AQUIFLOW**	**52513**
A2 **NW** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1158 SE Not Reported Not Reported 7 10/27/1993	**AQUIFLOW**	**52512**
A3 **North** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW 14.08 16.41 Not Reported 08/02/1999	**AQUIFLOW**	**52987**
A4 **WNW** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1054 S 9.36 11.02 Not Reported 11/01/1991	**AQUIFLOW**	**51655**
5 **West** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0892 SE Not Reported Not Reported 16 09/01/1992	**AQUIFLOW**	**51653**
6 **NNW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0514 Varies 8.5 9.5 Not Reported 11/27/1995	**AQUIFLOW**	**50328**
7 **SSE** **1/4 - 1/2 Mile** **Higher**			**FED USGS**	**USGS3223041**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	374156121553301
Site name:	003S001W01L001M		
Latitude:	374156	EDR Site id:	USGS3223041
Longitude:	1215533	Dec lat:	37.69881892
Dec lon:	-121.9269027	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	SWNESWS1 T 3S R 1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	346.30		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19610101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Mixed - confined and unconfined multiple aquifers		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	60.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	CA-9-358M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-02-18
Water quality data end date:	1983-08-19	Water quality data count:	27
Ground water data begin date:	1961-03-16	Ground water data end date:	1981-12-24
Ground water data count:	108		

Ground-water levels, Number of Measurements: 108

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-24	18.6		1981-11-20	19.8	
1981-10-27	20.9		1981-09-15	20.5	
1981-06-11	18.6		1981-03-17	17.7	
1980-11-24	19.8		1980-10-20	19.4	
1980-10-06	19.0		1980-09-23	18.7	
1980-09-09	18.5		1980-08-28	18.2	
1980-07-29	17.4		1980-07-16	17.0	
1980-06-30	16.6		1980-06-16	16.3	
1980-06-09	16.1		1980-05-26	15.9	
1980-05-12	15.6		1980-04-27	15.3	
1980-04-14	15.1		1980-03-31	14.9	
1980-03-17	14.5		1980-03-13	14.5	
1980-03-03	14.5		1980-02-18	15.9	
1980-02-04	16.6		1980-01-21	16.9	
1980-01-07	18.9		1979-12-24	20.0	
1979-12-10	20.0		1979-11-26	19.8	
1979-11-15	19.8		1979-11-13	19.8	
1979-10-29	19.7		1979-10-15	20.1	
1979-10-01	19.6		1979-09-14	19.3	
1979-09-04	19.0		1979-08-20	18.6	
1979-08-06	18.2		1979-07-16	17.8	
1979-07-06	17.4		1979-07-02	17.1	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-06-11	16.5		1979-05-29	16.0	
1979-04-30	15.7		1979-04-26	15.6	
1979-04-09	15.5		1979-04-02	15.5	
1979-03-26	15.6		1979-03-19	15.8	
1979-03-08	15.8		1979-01-26	17.5	
1978-10-26	19.7		1978-09-12	19.0	
1978-08-24	18.6		1978-05-17	15.5	
1978-03-30	15.9		1978-03-16	16.6	
1977-10-17	24.1		1977-09-14	23.8	
1977-07-22	23.8		1977-05-26	23.3	
1977-03-28	22.9		1977-03-18	23.0	
1977-01-27	22.8		1977-01-19	22.8	
1976-12-20	23.3		1976-11-16	23.3	
1976-10-22	23.1		1976-09-23	23.1	
1976-08-18	23.0		1976-07-29	22.6	
1976-06-17	22.3		1976-05-18	21.9	
1976-04-29	21.7		1976-03-09	21.3	
1976-02-18	21.7		1975-09-23	20.3	
1974-09-23	18.7		1974-03-04	16.9	
1973-10-01	18.8		1973-03-12	16.3	
1972-09-19	23.8		1972-03-14	20.8	
1971-09-14	20.5		1971-04-13	18.0	
1970-10-09	20.9		1970-04-10	15.9	
1969-10-06	19.3		1969-04-29	13.4	
1968-09-19	13.7		1968-04-05	14.3	
1967-10-24	17.6		1967-04-25	15.5	
1966-09-26	21.5		1966-03-21	17.5	
1965-10-01	19.3		1965-03-23	16.6	
1964-10-02	21.0		1964-03-24	17.6	
1963-04-17	17.7		1963-03-25	16.5	
1962-09-06	22.0		1962-03-26	17.6	
1961-09-28	25.0		1961-03-16	22.8	

B8
NNE
1/4 - 1/2 Mile
Lower

Site ID:	01-1769
Groundwater Flow:	Flat
Shallow Water Depth:	6.5 f
Deep Water Depth:	7.5 f
Average Water Depth:	Not Reported
Date:	11/19/1993

AQUIFLOW **51656**

B9
NNE
1/4 - 1/2 Mile
Lower

Site ID:	01-1769
Groundwater Flow:	Flat
Shallow Water Depth:	5.56
Deep Water Depth:	12.03
Average Water Depth:	Not Reported
Date:	07/18/1996

AQUIFLOW **51657**

B10
NNE
1/4 - 1/2 Mile
Lower

Site ID:	01-0458
Groundwater Flow:	NE
Shallow Water Depth:	15’
Deep Water Depth:	20’
Average Water Depth:	Not Reported
Date:	05/02/1991

AQUIFLOW **51651**

Map ID Direction Distance Elevation			Database	EDR ID Number
B11 **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0458	**AQUIFLOW**	**51650**
	Groundwater Flow:	SSE		
	Shallow Water Depth:	7.14		
	Deep Water Depth:	7.50		
	Average Water Depth:	Not Reported		
	Date:	12/10/1996		

12
WSW
1/4 - 1/2 Mile
Higher

FRDS PWS **CA0110009**

Pwsid:	CA0110009	Epa region:	09
State:	CA	County:	Not Reported
Pws name:	DUBLIN - SAN RAMON SD		
Population Served:	22600	Pwssvcconn:	6337
PWS Source:	Purch_surface_water		
Pws type:	CWS		
Status:	Closed	Owner type:	Local_Govt
Facility id:	3		
Facility name:	ZONE 7 WA - TURNOUT #1 - TREATED		
Facility type:	Consecutive_connection	Treatment process:	fluoridation
Treatment objective:	other		
Contact name:	Not Reported		
Original name:	Not Reported		
Contact phone:	Not Reported	Contact address1:	Not Reported
Contact address2:	7051 DUBLIN BLVD.		
Contact city:	DUBLIN		
Contact zip:	94568		
Facility id:	3T		
Facility name:	ZONE 7 WA - TURNOUT #1 - TREATED		
Facility type:	Treatment_plant	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	4		
Facility name:	ZONE 7 WA - TURNOUT #2 - TREATED		
Facility type:	Consecutive_connection	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	4T		
Facility name:	ZONE 7 WA - TURNOUT #2 - TREATED		
Facility type:	Treatment_plant	Treatment process:	fluoridation
Treatment objective:	other		
Facility id:	3		
Facility name:	ZONE 7 WA - TURNOUT #1 - TREATED		
Facility type:	Consecutive_connection	Treatment process:	fluoridation
Treatment objective:	other		

Facility id: 3T
Facility name: ZONE 7 WA - TURNOUT #1 - TREATED
Facility type: Treatment_plant Treatment process: fluoridation
Treatment objective: other

Facility id: 4
Facility name: ZONE 7 WA - TURNOUT #2 - TREATED
Facility type: Consecutive_connection Treatment process: fluoridation
Treatment objective: other

Facility id: 4T
Facility name: ZONE 7 WA - TURNOUT #2 - TREATED
Facility type: Treatment_plant Treatment process: fluoridation
Treatment objective: other

PWS ID: CA0110009
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: DUBLIN - SAN RAMON SD
DUBLIN, CA 94568

Addressee / Facility: Not Reported

Facility Latitude: 37 42 07 Facility Longitude: 121 56 04
City Served: DUBLIN
Treatment Class: Treated Population: 22600

Violations information not reported.

C13
WSW
1/4 - 1/2 Mile
Higher

Site ID: 01-01946
Groundwater Flow: ESE
Shallow Water Depth: 19.72
Deep Water Depth: 28.90
Average Water Depth: Not Reported
Date: 06/14/1999

AQUIFLOW **52350**

C14
WSW
1/4 - 1/2 Mile
Higher

Site ID: 01-01946
Groundwater Flow: ESE
Shallow Water Depth: 11.0
Deep Water Depth: 16.0
Average Water Depth: Not Reported
Date: 03/14/1990

AQUIFLOW **52351**

D15
NW
1/4 - 1/2 Mile
Higher

Site ID: 01-0084
Groundwater Flow: E
Shallow Water Depth: 2.89
Deep Water Depth: 7.78
Average Water Depth: Not Reported
Date: 11/20/1995

AQUIFLOW **50269**

E16
WNW
1/4 - 1/2 Mile
Higher

Site ID: 01-0600
Groundwater Flow: SE
Shallow Water Depth: 10.74
Deep Water Depth: 15.69
Average Water Depth: Not Reported
Date: 02/29/1996

AQUIFLOW **50277**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
E17 **WNW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0600 E Not Reported Not Reported 15 12/01/1991	**AQUIFLOW**	**50278**
D18 **NNW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1447 E 4.24 5.89 Not Reported 12/16/1993	**AQUIFLOW**	**50282**
F19 **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0500 Varies Not Reported Not Reported 7.71 07/15/1998	**AQUIFLOW**	**50271**
F20 **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0500 Varies 7.49 10.91 Not Reported 11/24/1997	**AQUIFLOW**	**50272**
F21 **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0500 Varies 6.94 8.95 Not Reported 03/29/1990	**AQUIFLOW**	**50274**
22 **WSW** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2267 NE Not Reported Not Reported 80 ft 03/21/1997	**AQUIFLOW**	**69293**
F23 **North** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1610 E 9.24 10.94 Not Reported 11/18/1994	**AQUIFLOW**	**50267**

Map ID Direction Distance Elevation			Database	EDR ID Number
F24 **North** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-1610	**AQUIFLOW**	**50270**
	Groundwater Flow:	E		
	Shallow Water Depth:	10.17		
	Deep Water Depth:	11.45		
	Average Water Depth:	Not Reported		
	Date:	11/23/1988		

G25
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3222895**

Agency cd:	USGS	Site no:	374234121552001
Site name:	003S001W01B005M		
Latitude:	374234	EDR Site id:	USGS3222895
Longitude:	1215520	Dec lat:	37.70937406
Dec lon:	-121.92329145	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	NWNWNES1 T3S R1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	331.40		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19790510
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	112	Hole depth:	112
Source of depth data:	Not Reported		
Project number:	CA-9-358M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1979-07-06
Water quality data end date:	1983-08-19	Water quality data count:	16
Ground water data begin date:	1979-06-12	Ground water data end date:	1981-12-23
Ground water data count:	45		

Ground-water levels, Number of Measurements: 45

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-23	8.4		1981-09-04	9.7	
1981-06-25	9.1		1981-05-18	8.9	
1980-11-13	10.3		1980-10-24	10.3	
1980-10-06	10.2		1980-09-23	10.1	
1980-09-12	9.8		1980-09-09	10.1	
1980-08-28	9.9		1980-07-29	9.9	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-07-16	9.9		1980-06-30	9.9	
1980-06-09	10.0		1980-06-06	10.0	
1980-05-26	9.8		1980-05-12	9.8	
1980-04-27	9.7		1980-04-14	9.6	
1980-03-31	9.7		1980-03-17	9.3	
1980-03-03	9.4		1980-02-18	11.0	
1980-02-04	11.7		1980-01-30	11.7	
1980-01-21	11.7		1980-01-07	13.3	
1979-12-24	14.2		1979-12-10	14.3	
1979-11-26	14.1		1979-11-14	14.0	
1979-11-13	14.1		1979-10-29	14.0	
1979-10-15	14.2		1979-10-01	14.0	
1979-09-17	13.9		1979-09-04	13.8	
1979-08-20	13.7		1979-08-06	13.6	
1979-07-23	13.6		1979-07-16	13.4	
1979-07-06	13.6		1979-07-02	13.4	
1979-06-12	13.3				

H26
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS3223102**

Agency cd:	USGS	Site no:	374223121561001
Site name:	003S001W02A002M		
Latitude:	374223	EDR Site id:	USGS3223102
Longitude:	1215610	Dec lat:	37.70631866
Dec lon:	-121.93718077	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	SWNENES 2 T 3S R 1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	368.10		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19760618
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	47.0	Hole depth:	47.0
Source of depth data:	Not Reported		
Project number:	CA-9-358M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-10-07
Water quality data end date:	1983-08-03	Water quality data count:	27
Ground water data begin date:	1976-07-12	Ground water data end date:	1981-07-20
Ground water data count:	33		

Ground-water levels, Number of Measurements: 33

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-07-20	27.3		1981-04-27	26.2	
1981-01-13	27.9		1980-10-09	25.9	
1980-10-01	25.7		1980-07-29	23.7	
1980-05-14	20.9		1980-04-30	20.4	
1980-01-08	27.1		1979-10-15	26.7	
1979-06-29	23.4		1979-05-29	22.5	
1979-03-26	22.1		1979-01-22	25.7	
1979-01-18	25.9		1978-10-11	25.6	
1978-07-18	22.7		1978-05-04	20.5	
1978-02-27	24.0		1977-10-26	33.7	
1977-09-14	33.5		1977-08-26	33.4	
1977-04-21	32.6		1977-03-28	32.5	
1977-02-15	32.3		1977-01-14	32.0	
1977-01-04	31.7		1976-12-27	32.1	
1976-11-18	31.7		1976-10-25	31.6	
1976-10-07	31.4		1976-08-06	30.8	
1976-07-12	30.5				

G27
NE
1/2 - 1 Mile
Lower

FED USGS **USGS3222891**

Agency cd:	USGS	Site no:	374233121551601
Site name:	003S001W01B004M		
Latitude:	374233	EDR Site id:	USGS3222891
Longitude:	1215516	Dec lat:	37.70909629
Dec lon:	-121.9221803	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	NWNWNES 1 T 3S R 1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	330.80		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19760517
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	25.6	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	479200200		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-09-29
Water quality data end date:	1979-05-31	Water quality data count:	12
Ground water data begin date:	1976-09-29	Ground water data end date:	1979-05-31
Ground water data count:	12		

Ground-water levels, Number of Measurements: 12

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-05-31	7.0		1979-01-19	6.3	
1978-10-11	7.6		1978-07-18	7.1	
1978-05-04	6.7		1978-02-27	6.7	
1977-10-26	7.7		1977-08-30	7.7	
1977-04-21	7.8		1977-01-14	7.6	
1976-11-18	7.6		1976-09-29	7.1	

I28
North
1/2 - 1 Mile
Lower

AQUIFLOW **52355**

Site ID:	01-1006
Groundwater Flow:	NW
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	09/01/1989

H29
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS3223106**

Agency cd:	USGS	Site no:	374225121561101
Site name:	003S001W02A001M		
Latitude:	374225	EDR Site id:	USGS3223106
Longitude:	1215611	Dec lat:	37.70687419
Dec lon:	-121.93745856	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	Not Reported
Location map:	DUBLIN	Map scale:	24000
Altitude:	371.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19501213
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	200	Hole depth:	200
Source of depth data:	Not Reported		
Project number:	CA-1-370M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-02-10
Water quality data end date:	1977-05-02	Water quality data count:	5
Ground water data begin date:	1950-12-13	Ground water data end date:	1980-10-01
Ground water data count:	36		

Ground-water levels, Number of Measurements: 36

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-10-01	32.0		1980-04-30	28.2	
1979-09-14	33.9		1979-03-26	31.9	
1978-09-12	32.9		1978-03-16	32.4	
1977-09-14	40.5		1977-05-02	41.4	
1977-04-28	39.3		1977-03-28	39.3	
1977-01-24	40.4		1977-01-19	40.9	
1976-12-20	38.9		1976-11-23	37.2	
1976-10-22	39.9		1976-09-23	38.3	
1976-08-19	41.9		1976-07-29	37.6	
1976-06-17	42.9		1976-05-27	36.8	
1976-04-29	37.6		1976-03-09	35.9	
1976-02-10	37.2		1975-03-19	30.3	
1974-09-23	35.1		1974-03-04	29.8	
1973-10-01	33.2		1973-03-13	28.3	
1972-09-19	38.0		1972-03-14	36.5	
1971-09-20	36.0		1971-04-21	28.2	
1970-10-09	41.0		1970-04-10	27.9	
1969-10-06	31.7		1950-12-13	33.00	

I30
North
1/2 - 1 Mile
Lower

Site ID:	01-0117
Groundwater Flow:	Varies
Shallow Water Depth:	5.90
Deep Water Depth:	11.25
Average Water Depth:	Not Reported
Date:	06/22/1999

AQUIFLOW **52352**

I31
North
1/2 - 1 Mile
Lower

Site ID:	01-0117
Groundwater Flow:	W
Shallow Water Depth:	6.26
Deep Water Depth:	10.26
Average Water Depth:	Not Reported
Date:	09/19/1990

AQUIFLOW **52353**

J32
NNW
1/2 - 1 Mile
Higher

Site ID:	01-0513
Groundwater Flow:	Varies
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	5-10
Date:	12/11/1989

AQUIFLOW **52500**

J33
NNW
1/2 - 1 Mile
Higher

Site ID:	01-0513
Groundwater Flow:	E,SE,Varies
Shallow Water Depth:	8.29
Deep Water Depth:	9.02
Average Water Depth:	Not Reported
Date:	06/16/1995

AQUIFLOW **49988**

J34
NNW
1/2 - 1 Mile
Higher

Site ID:	01-0513
Groundwater Flow:	Varies
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	Not Reported
Date:	11/30/1992

AQUIFLOW **52502**

Map ID Direction Distance Elevation			Database	EDR ID Number
J35 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0513 Varies 8.29 9.02 Not Reported 06/16/1995	**AQUIFLOW**	**52501**
I36 **North** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1447 Varies 1.0 5.5 Not Reported 12/04/1990	**AQUIFLOW**	**50280**

37
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3223095**

Agency cd:	USGS	Site no:	374220120550301
Site name:	003S001W01G002M		
Latitude:	374220	EDR Site id:	USGS3223095
Longitude:	1215503	Dec lat:	37.70548531
Dec lon:	-121.91856909	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	S1 T3S R1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	336.50		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19610801
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	593	Hole depth:	610
Source of depth data:	Not Reported		
Project number:	CA-9-358M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1964-01-00	Ground water data end date:	1979-01-25
Ground water data count:	60		

Ground-water levels, Number of Measurements: 60

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-01-25	98		1973-06	120	
1973-04	120		1973-02	140	
1972-06	140		1972-01	120	
1971-04	176		1970-11	144	
1970-08	170		1969-12	120	
1969-10	165		1969-08	156	
1969-07	167		1969-06	153	
1969-05	160		1969-03	147	
1969-01	147		1968-09	168	
1968-08	172		1968-06	171	
1968-05	158		1968-04	163.0	
1968-03	150.0		1968-02	145.0	
1968-01	147.0		1967-12	148.0	
1967-10	164.0		1967-08	180.0	
1967-07	177.0		1967-06	170.0	
1967-02	130.0		1967-01	171.0	
1966-10	184.0		1966-08	185.0	
1966-07	187.0		1966-05	175.0	
1966-04	175.0		1966-03	164.0	
1965-11	167.0		1965-10	168.0	
1965-09	168.5		1965-08	166.0	
1965-06	171.0		1965-05	155.0	
1965-04	129.0		1965-03	130.0	
1965-02	131.0		1965-01	148.0	
1964-12	149.0		1964-11	148.0	
1964-10	153.0		1964-09	156.0	
1964-08	160.0		1964-07	161.0	
1964-06	163.0		1964-05	174.0	
1964-04	129.0		1964-03	118.0	
1964-02	120.0		1964-01	134.0	

K38
East
1/2 - 1 Mile
Lower

Site ID:	01-1566	**AQUIFLOW**	**51636**
Groundwater Flow:	Varies		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	10.7		
Date:	11/26/1991		

K39
East
1/2 - 1 Mile
Lower

Site ID:	01-1565	**AQUIFLOW**	**51644**
Groundwater Flow:	Varies		
Shallow Water Depth:	4.30		
Deep Water Depth:	6.61		
Average Water Depth:	Not Reported		
Date:	08/07/1998		

40
East
1/2 - 1 Mile
Lower

FED USGS **USGS3223094**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	374217120544801
Site name:	003S001W01H002M		
Latitude:	374217	EDR Site id:	USGS3223094
Longitude:	1215448	Dec lat:	37.704652
Dec lon:	-121.91440229	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	001
Country:	US	Land net:	S1 T3S R1W M
Location map:	DUBLIN	Map scale:	24000
Altitude:	336.10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Francisco Bay. California. Area = 1200 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19630701
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	537	Hole depth:	593
Source of depth data:	Not Reported		
Project number:	CA-9-358M		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1964-01-00	Ground water data end date:	1981-12-21
Ground water data count:	69		

Ground-water levels, Number of Measurements: 69

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-12-21	35.5		1979-01-31	118.0	
1979-01-25	90		1977-09-13	134.8	
1975-08	122		1975-04	110	
1975-01	115		1974-04	83.5	
1974-01	118		1973-06	134	
1972-06	136		1972-01	120	
1971-04	144		1970-11	168	
1970-08	162		1970-06	203	
1970-01	160		1969-12	118	
1969-10	185		1969-08	186	
1969-07	183		1969-06	174	
1969-05	175		1969-03	155	
1969-01	138		1968-09	187	
1968-08	186		1968-06	183	
1968-05	176		1968-04	177.0	
1968-03	160.0		1968-02	156.0	
1968-01	172.0		1967-12	152.0	
1967-10	150.0		1967-08	187.0	
1967-07	186.0		1967-06	185.0	
1967-04	168.5		1967-03	171.0	
1967-02	135.0		1967-01	181.0	
1966-12	178.5		1966-10	185.5	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1966-07	186.5	
1966-03	145.5	
1965-10	163.0	
1965-08	173.0	
1965-05	162.0	
1965-03	132.0	
1965-01	154.0	
1964-11	158.0	
1964-09	167.0	
1964-07	168.0	
1964-05	174.0	
1964-03	131.0	
1964-01	141.0	
1966-04	172.5	
1965-11	156.0	
1965-09	169.0	
1965-06	165.5	
1965-04	134.0	
1965-02	131.5	
1964-12	155.0	
1964-10	161.0	
1964-08	166.0	
1964-06	170.0	
1964-04	154.6	
1964-02	132.0	

41
ESE
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	8.5
Date:	09/1992

AQUIFLOW **53486**

L42
East
1/2 - 1 Mile
Lower

Site ID:	01-1568
Groundwater Flow:	SW
Shallow Water Depth:	2.0
Deep Water Depth:	17.0
Average Water Depth:	Not Reported
Date:	10/15/1993

AQUIFLOW **52985**

L43
East
1/2 - 1 Mile
Lower

Site ID:	01-1556
Groundwater Flow:	SE
Shallow Water Depth:	4.79
Deep Water Depth:	8.61
Average Water Depth:	Not Reported
Date:	10/21/1993

AQUIFLOW **52988**

L44
East
1/2 - 1 Mile
Lower

Site ID:	01-1556
Groundwater Flow:	SE
Shallow Water Depth:	4.39
Deep Water Depth:	8.43
Average Water Depth:	Not Reported
Date:	06/18/1999

AQUIFLOW **52989**

45
East
1/2 - 1 Mile
Lower

Site ID:	01-6999
Groundwater Flow:	Varies
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	12.0
Date:	10/01/1999

AQUIFLOW **52991**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94568	15	0

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94568

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard
Dublin, CA 94568

Inquiry Number: 3389904.6
August 21, 2012

The EDR-City Directory Image Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2010	☑	☑	Haines Criss-Cross Directory
2004	☑	☑	Haines Criss-Cross Directory
2001	☑	☑	Haines Criss-Cross Directory
1994	☑	☑	Haines Criss-Cross Directory
1989	☑	☑	Haines Criss-Cross Directory
1985	☑	☑	Haines Criss-Cross Directory
1980	☑	☑	Haines Criss-Cross Directory
1975	☑	☑	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

7544 Dublin Boulevard
Dublin, CA 94568

Year	*CD Image*	*Source*
Dublin Boulevard		
2010	pg A1	Haines Criss-Cross Directory
2004	pg A2	Haines Criss-Cross Directory
2004	pg A3	Haines Criss-Cross Directory
2001	pg A4	Haines Criss-Cross Directory
1994	pg A5	Haines Criss-Cross Directory
1989	pg A6	Haines Criss-Cross Directory
1985	pg A7	Haines Criss-Cross Directory
1985	pg A8	Haines Criss-Cross Directory
1980	pg A9	Haines Criss-Cross Directory
1975	pg A10	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
Golden Gate Dr		
2010	pg. A11	Haines Criss-Cross Directory
2004	pg. A12	Haines Criss-Cross Directory
2004	pg. A13	Haines Criss-Cross Directory
2001	pg. A14	Haines Criss-Cross Directory
1994	pg. A15	Haines Criss-Cross Directory
1989	pg. A16	Haines Criss-Cross Directory
1985	pg. A17	Haines Criss-Cross Directory
1980	pg. A18	Haines Criss-Cross Directory
1975	pg. A19	Haines Criss-Cross Directory

City Directory Images

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 2010

7460	★ THOMASVILLE FURNITURE	925-479-9630	3
7496	★ BANK OF AMERICA	925-833-9588	
X	AMADOR PLAZA RD		
7499	★ SAFEWAY GROCERY	925-556-4034	•0
	★ US BK DUBLIN BLVD SAFEWAY OFC	925-556-2100	4
7505	★ CARROWS RESTAURANT	925-828-9725	8
7533	★ BANK OF THE WEST DUBLIN	925-829-5610	3
7544	★ CROWN BODY SHOP	925-828-6500	
	★ CROWN CHVRLT-CDLLC-ISZU INC	925-829-8600	
	★ CROWN CHVRLT-CDLLC-ISZU INC 24	925-828-6504	
	★ SAVE TOW	925-803-7555	•0
	★ TRI VLY COLLISION CENTER	925-479-9290	•0
7575	★ BASSETT FURNITURE DIRECT	925-560-9800	5
X	GOLDEN GATE DR		
7600	. . . . . BUILDING		
	♣ ★ BAY BREEZE DENTAL	925-833-8838	7
	♣ ★ CORNERSTONE ENVRMNTL GRP LLC	925-560-9859	7
	220 ★ EMPLOYMENT RESEARCH SERVICES	925-551-7750	7
	♣ ★ EYC INC	925-551-6100	7
	♣ FALLS Steven Scott	925-828-3728	7
	♣ ★ FIRST NATIONAL HOME LOANS	925-999-4545	8
	♣ ★ HIGHCOM ENTERPRISES	925-803-5037	•0
	♣ ★ JVF CONSULTING LLC	925-479-9844	7
	♣ ★ ON TIME APPRAISALS	925-875-9100	•0
	♣ ★ PATENT CONSTRUCTION SYSTEMS	925-828-4401	6
	♣ ★ ROYCE ASSET MANGMNT	925-551-6117	
	215 ★ SYSERA	925-455-9500	6
	♣ ★ VINTAGE BUS SOLUTIONS	925-828-1717	6
	♣ ★ WASHINGTON MUTUAL INC DUBLIN	925-551-6148	
	♣ ★ WIRELESS WIZARDS	925-828-3438	8
7600	. . . . .		
7704	★ HENNINGS PIANOS AND ORGANS	925-828-3442	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 2004

7460	* THOMASVILLE FURNITURE	925-479-9630	+3
7468	* ALPHA GRAPHICS	925-479-9810	2
7496	XXXX	OO	
7499	* SAFEWAY SELECT BANK	925-479-9297	+3
7500	XXXX	OO	
7505	* CARROWS RESTAURANT	925-828-9725	
7533	* UNITD CA BANK	925-829-5610	2
7544	BUILDING		
	* BUICK-CROWN CHEVROLET ISUZU	925-828-6500	+3
	* CHEVROLET AUTHORIZED SALES&SRV	925-828-6500	
	* CROWN BODY SHOP	925-828-6500	
	* CROWN CHEVROLET BUICK ISUZU	925-556-3200	8
	* CROWN CHVRLT-OLDSMBLE-C-DLLC MN	925-828-6500	
	* CROWN CHVRLT-OLDSMBLE-C-DLLC SV	925-829-8600	
	* CROWN DAIHATSU	925-828-6500	
	* CROWN ISUZU	925-829-8600	
	* CROWN ISUZU INC	925-828-6500	

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 2004

DUBLIN BLVD 94568 CONT.

	* CROWN STRIPPING CTR	925-829-8693	5
	* CROWN-GM PARTS WAREHOUSE	925-828-6500	
	* ISUZU SALES&SERVICE	925-829-8600	0
7544			
X	GOLDEN GATE DR		
7600	* ROYCE ASSET MANGMNT	925-551-6117	4
	* WASH MUTUAL BANK LOCATIONS	925-551-6148	0
	* WASH MUTUAL BUSINESS BNKNG CTR	925-551-6040	2
	* WASH MUTUAL HOME LOAN CENTERS	925-551-6007	0
7704	* HENNINGS PIANO&ORGN	925-828-3442	
	* MUSIC EXCHANGE	925-828-3443	
	* MUSIC EXCHANGE	925-828-3442	4
7740	* MALYS	925-479-9161	2
	MALY'S Inc	925-875-9885	+3
7748	* E & J PHOTO LAB	925-829-0222	
7752	* A-1 VACUUM-SEWING	925-829-1076	+3

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 2001

7350	• RIGATONI'S	925-875-1500	+0
7450	XXXX	OO	
7460	• PIER 1 IMPORTS	925-833-8533	
7468	• EAST BAY HOTSPRING	925-551-7500	2
	• HOT SPRING SPA	925-551-7500	
7496	• BANK AM BANKING CENTER	925-833-9588	+0
7499	• SHAMROCK FORD	925-829-5211	
7500	XXXX	OO	
7505	• CARROWS RESTAURANT	925-828-9725	
7533	• SANWA BANK CA	925-829-5610	
7544	• BUICK CROWN CHEVRLT	925-828-6500	3
	• CHEVROLET SALES&SERVICE	925-828-6500	
	• CROWN BODY SHOP	925-828-6500	
	• CROWN CHEVROLET SRV	925-829-8600	
	• CROWN CHEVROLET TOW	925-828-6504	6
	• CROWN CHEVROLET-BUICK-IS-UZU	925-556-3200	8
	• CROWN DAIHATSU	925-828-6500	
	• CROWN GM PARTS WRHS	925-828-6500	
	• CROWN ISUZU	925-829-8600	
	• CROWN ISUZU INC	925-828-6500	
	• CROWN STRIPPING CTR	925-829-8693	5
	• ISUZU CROWN CHEVRLT	925-828-6500	3
	• ISUZU SALES&SERVICE	925-829-8600	+0
X	GOLDEN GATE DR		
7600	• CANTEEN VENDING CORPORATION	925-556-7400	9
	• EUREST FOODSERVICE	925-556-7425	9
	• EUREST SALES	925-556-2474	9
	• ROYCE ASSET MANGMNT	925-551-6117	4
	• W M BUSINESS BANK	925-551-6080	+0
	• WASH MUTUAL	925-551-6148	+0
	• WASH MUTUAL	925-551-6007	+0
7704	• CAMERATA MUSIC	925-828-1011	7
	• HENNINGS PIANO&ORGN	925-828-3442	2
	• MUSIC EXCHANGE	925-828-3443	2
	• MUSIC EXCHANGE	925-828-3442	4
7748	• E&J PHOTO LAB	925-829-0222	9
	• ONE HOUR PHOTO HUB	925-829-0222	
7752	• TRIAD HOME THEATRE&AUDIO	925-556-4410	9
7764	• FANCY STYLES	925-829-6560	9
7776	• THE LINKS BAR&GRILL	925-833-6097	6
7788	XXXX	OO	
7802	XXXX	OO	

Target Street	Cross Street	Source
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Dublin Boulevard 1994

7468	★EAST BAY HOTSPRING	551-7500	2
	★HOT SPRING SPA	551-7500	1
	★HOT SPRINGS SPA	551-7500	
7496	★BANK AM OFC	833-9588	1
7499	★SHAMROCK FORD	829-5211	
	★SHAMROCK FORD LSNG	829-5211	
7500	XXXX	00	
7505	★CARROWS RESTAURANT	828-9725	8
7533	★SANWA BANK CA	829-5610	8
7544	★BUICK CROWN CHEVRLT	828-6500	3
	★CHEVROLET CROWN GEO	828-6500	
	★CHEVROLET SALES&SRV	828-6500	
	★CROWN BODY SHOP	828-6500	
	★CROWN CHEVROLET SRV	829-8600	
	★CROWN CHEVROLET TOW	828-6504	3
	★CROWN DAIHATSU	828-6500	
	★CROWN GM PARTS WRHS	828-6500	
	★CROWN ISUZU	829-8600	
	★CROWN ISUZU INC	828-6500	
	★ISUZU CROWN CHEVRLT	828-6500	3
7600	★BAY INS BROKERS INC	803-0131	+4
	★BOWE LEONARD	828-8260	1
	★COHEN SAMUEL T	803-0131	2
	★GONSALBES FRANCES	803-0131	2
	★GREAT WSTRN BK RE	551-6007	0
	★GREAT WSTRN BK SVGS	551-6000	0
	★MCCLUNY ROGER JR	803-0131	2
	★NACHAND CLYDE R	803-0131	2
	★OWEN CLAYTON CIC	803-0131	2
	★ROYCE ASSET MANGMNT	551-6117	+4
	★SIERRA ADMINISTRTRS	828-2427	0
	★STALKER CHIRO OFCS	833-8600	
	★STALKER JAMES W DC	833-8600	
	★STATE FARM INS	828-8260	1
	★STEWART BEVERLY	803-0131	2
	★TEGIC MEDICAL CORP	551-7025	+4
7704	★HENNINGS PIANO&ORGN	828-3442	2
	★MUSIC EXCHANGE	828-3443	2
	★MUSIC EXCHANGE	828-3442	+4
	★YAMAHA MUSIC COURSE	828-3443	2
7748	★ONE HOUR PHOTO HUB	829-0222	7
	★PHOTO HUB	829-0222	9
7752	★DUBLIN SURF&SKATE	828-8353	1
	★SKATE STATION	828-8353	
	★SPORT STATION	828-8353	
7764	★FANTASTIC STYLES	829-6560	8

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 1989

7460	★PIER 1 IMPORTS	833-8533	+9
7468	★JUST SECURITY	833-1900	+9
7496	★HOLLYWOOD CAFE	828-4505	+9
7499	★SHAMROCK FORD	829-5211	
	★SHAMROCK FORD CARS	828-3837	7
7500	XXXX	00	
7505	★CARROWS RESTAURANT	828-9725	8
7533	★SANWA BANK CA	829-5610	8
7544	★CHEVROLET SALES&SRV	828-6500	
	★CROWN CHEVROLET	828-6504	+9
	★CROWN CHEVROLET INC	828-6500	
	★CROWN DAIHATSU	828-6500	
	★CROWN ISUZU INC	828-6500	
7600	★STALKER CHIRO OFCS	833-8600	+9
7704	★SATTLERS TV VIDEO	828-0900	8
7748	★ONE HOUR PHOTO HUB	829-0222	7
	★PHOTO HUB	829-0222	+9
7752	★SKATE STATION	828-8353	
	★SPORT STATION	828-8353	
	★SURF&SKATE STATION	828-8353	7
7764	★FANTASTIC SAMS	829-6560	8
7776	★VELVET RESTAURANT	829-1704	7
7788	★VAN HEUSEN FCTRY ST	833-0435	8
7802	★CONKLIN BROS DUBLIN	828-3573	7

Target Street	Cross Street	Source
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Dublin Boulevard 1985

7139	DELWEBB HOTELS	829-6616	+5
	MADDEN JOHN	829-5380	0
	MORAN JIM INC	846-6469	+5
	WHITE WAY SIGN CO	828-6280	+5
7141	INLAND LUMBER CO	829-4710	9
7143	WENDYS HAMBURGERS	828-2325	0
7145	MCDONALDS RESTARANT	829-0292	
7240	BUBBLE MACHINE THE	828-2765	
7499	SHAMROCK CHRYSLER	829-5211	
	SHAMROCK FORD	829-5211	2
	SHAMROCK FORD USDCR	828-3837	2
7500	DUBLIN CINEMA	828-4400	
	ENEA BROS ENTERPR	828-4401	
7505	JOJOS RESTAURANT	829-8422	1
7533	LLOYDS BANK CA	829-5610	
7544	CROWN CHEVROLET INC	828-6500	
	CROWN CHEVROLET TOW	828-6504	4

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 1985

DUBLIN BLVD 94568 CONT...

7600	XXXX	00	
7884	ORCHARD SPLY HARDWR	829-8470	2
	ORCHARD SPLY HDW ST	829-8470	
7889	HOMESTEAD SAVINGS	829-5700	
7890	SOFA FACTORY SHOWRM	833-8309	+5
7898	LEVITZ FURNITURE	829-7022	+5
	LIBERTY HOUSE	833-2005	+5
	ROSS STORES INC	829-5995	4
7900	XXXX	00	
7922	COUSINS HM FRNSHINGS	828-9650	+5
7937	XXXX	00	
7944	BOBS BIG BOY RESTR	828-9902	1
7950	BUILDING		
	AMER HOME SHLD CA	828-6710	2
	BERG ENTERPRISES	828-5610	1
	BOBBA JOS CO INC	828-9200	
	BROWN WALLY	828-9200	4
	CAREFREE INST TRVL	828-5755	+5
	COLDWELL BKR ADMIN	828-5610	4
	COLDWELL BNKR MRTG	829-9041	4
	COLDWELL BNKR OFC	828-5610	
	DRIFTWOOD SKYLN HSP	829-8100	1
	FERRERI INVESTMENT	828-4011	4
	MEDICAL ARTS PHRMCY	829-9250	1
	PAC HOSPITAL EQUIP	829-4155	3
	PATTON WILLIAM	828-9200	+5
	REGIONAL INVESTMENT	828-4011	4
	VALLEY REALTY ADMIN	828-5610	1
	WESTRN MEDICAL ENTP	829-8100	1

7950

Target Street	Cross Street	Source
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Dublin Boulevard 1980

7137★	AMER SVGS&LOAN ASSN	829-3610	
7139	MADDEN JOHN	829-5380	+0
7141★	INLAND LUMBER CO	829-4710	9
7143★	WENDYS HAMBURGERS	828-2325	+0
7145★	MCDONALDS RESTARANT	829-0292	2
7240★	BUBBLE MACHINE THE	828-2765	5
7499★	SHAMROCK FORD	829-5211	5
★	WOULFE JIM LEASNG	829-5211	
7500★	DUBLIN CINEMA	828-4400	
★	ENEA BROS ENTERPR	828-4401	
★	SAN RAMN ATO MOVIE	828-1700	6
7544★	CROWN CHEVROLET INC	828-6504	3
★	CROWN CHVRLT INC	828-6500	
7600	XXXX	00	
7884★	FRYS FOOD ST NO 19	828-9874	
7889★	CENTURY 21 CLASSIC	828-6650	
★	CENTURY 21 SALES	829-2100	9
★	HOMESTEAD SAVNGS&L	829-5700	5
7898	APARTMENTS		
★	LIBERTY HS ART	833-2029	+0
★	LIBERTY HS BLANKETS	833-2056	+0
★	LIBERTY HS BOOKS	833-2022	+0
★	LIBERTY HS BOYS WR	833-2028	+0
★	LIBERTY HS BTY SLN	833-2022	+0
★	LIBERTY HS CALCLTRS	833-2022	+0
★	LIBERTY HS CHINA	833-2036	+0
★	LIBERTY HS COATS	833-2030	+0
★	LIBERTY HS COORDNTS	833-2031	+0
★	LIBERTY HS COSMETCS	833-2050	+0
★	LIBERTY HS CRDT OFC	833-2008	+0
★	LIBERTY HS DRAPERYS	833-2038	+0
★	LIBERTY HS DRESSES	833-2030	+0
★	LIBERTY HS EMPLYMNT	833-2020	+0
★	LIBERTY HS FABRICS	833-2029	+0
★	LIBERTY HS FLR CVNG	833-2005	+0
★	LIBERTY HS FOUNDTN	833-2035	+0
★	LIBERTY HS FURN	833-2005	+0
★	LIBERTY HS GIFTS	833-2052	+0
★	LIBERTY HS GRLS WR	833-2028	+0
★	LIBERTY HS GRMT FDS	833-2022	+0
★	LIBERTY HS GRTG CRD	833-2045	+0
★	LIBERTY HS HANDBAGS	833-2054	+0
★	LIBERTY HS HOSIERY	833-2054	+0
★	LIBERTY HS HOUSEWRE	833-2036	+0
★	LIBERTY HS INFNT WR	833-2028	+0
★	LIBERTY HS INTR	833-2006	+0
★	LIBERTY HS JEWLERY	833-2044	+0
★	LIBERTY HS JR WEAR	833-2027	+0
★	LIBERTY HS LAMPS	833-2005	+0
★	LIBERTY HS LINENS	833-2056	+0
★	LIBERTY HS LINGERIE	833-2035	+0
★	LIBERTY HS LTHR GDS	833-2054	+0
★	LIBERTY HS LUGGAGE	833-2054	+0
★	LIBERTY HS MATRNTY	833-2030	+0
★	LIBERTY HS MENS	833-2033	+0
★	LIBERTY HS MISSES	833-2040	+0
★	LIBERTY HS NOTIONS	833-2029	+0
★	LIBERTY HS OTHER	833-2121	+0
★	LIBERTY HS PATTERNS	833-2029	+0
★	LIBERTY HS PICTURES	833-2005	+0
★	LIBERTY HS PILLOWS	833-2056	+0
★	LIBERTY HS RECORDS	833-2022	+0
★	LIBERTY HS ROBES	833-2035	+0
★	LIBERTY HS RUG&FURN	833-2121	+0
★	LIBERTY HS SHOES	833-2025	+0
★	LIBERTY HS SILVER	833-2037	+0
★	LIBERTY HS SLEEP SH	833-2005	+0
★	LIBERTY HS SPRTSWR	833-2031	+0
★	LIBERTY HS STATNRY	833-2045	+0
★	LIBERTY HS STEREO	833-2022	+0
★	LIBERTY HS TOWELS	833-2056	+0
★	LIBERTY HS TV	833-2022	+0
★	LIBERTY HS WOMNS WR	833-2030	+0
★	LIBERTY HSE ACCSRY	833-2039	+0
★	LIBERTY HSE APPLNCS	833-2036	+0
★	LIBERTY HSE BATH SH	833-2056	+0
★	LIBERTY HSE BEDSPRD	833-2038	+0
★	LIBERTY HSE CANDY	833-2022	+0
★	LIBERTY HSE JEWELRY	833-2026	+0
★	LIBERTY HSE MENS	833-2025	+0
7898			

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

Dublin Boulevard 1975

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 7045*TITLE REALTY          829-1040 4
 7051*VALLEY CMNTY SERVS 828-0515 3
 7121*BIG O TIRES           829-1950 4
     *J&R UNFINISHED FURN828-5571+5
    C*ACME DISTRIBUTING  829-5111+5
 7145*MCDONALDS RESTAURNT829-0292 2
 7240*BUBBLE MACHINE THE 828-2765+5
 7499*SHAMROCK FORD         829-5211+5
 7500*DUBLIN CINEMA         828-4400
     *ENEA BROS ENTERPR  828-4401
     *SAN RAMON AUTO THTR828-1700
 7544*CROWN CHEVROLET INC828-6500
     *CROWN CHVRLT TOW SV828-6504 3
     *CROWN CHVRLT USD CR828-0361 4
     *NATL AUTO EMRGCY SV828-6504+5
 7884*FRYS FOOD STORES   828-9874 3
 7889*HOMESTEAD SAVNGS&LN829-5700+5
 7898*RHODES                828-8600 4
 7900*ARMSTRONG DICK ARCO828-7319 3
 8989 CRONIN JOHN D         828-6183
10712  XXXX                OO
11711*HEXCEL                828-4200
11746 MARR RANDY           829-3083+5
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Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 2010

6433	★	SPECIALTY EUROPEAN	925-556-9567	+0
6437	★	TRI-VALLEY MUFFLER CO	925-829-4441	
6439		XXXX	OO	
6443	★	EDGE MOTORWORKS	925-479-0797	6
6447	♣ ★	A PERFECT SMOG	925-828-7070	+0
6449	★	STONERIDGE TIRE & ATMTV CNTR	925-829-6400	8
	★	STONERIDGE TOWING	925-828-9999	8

X DUBLIN BLVD

★ 14 BUS 2 RES 4 NEW

GOLDEN GATE DR
94579 SAN LEANDRO

WEALTH CODE 4

X GREER AVE

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 2004

6443	• CHUCK'S TRANSMISSN&CLUTCH SV	925-828-9699	
	• SCHUCK'S TRANSMISSION	925-443-0790	2
	• SCHUCK'S TRANSMISSN&CLUTCH SV	925-828-9699	
6447	XXXX	OO	
6451	XXXX	OO	
X	DUBLIN BLVD		
6511	• QUEST DIAGNOSTICS INCORPORATED	925-828-2305	+3
	• QUEST DIAGNOSTICS RGNL OFC CTS	925-828-2500	1
	• WESTRN PATHOLGY GRP	925-828-2500	6
	• WESTRN PATHOLOGY MEDICAL GROUP	925-828-2305	+3
6600	XXXX	OO	
6650	XXXX	OO	
6700	• BUTLER FLEET SERVICES	925-551-0409	7

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 2004

GOLDEN GATE DR 94568 CONT

* COR-O-VAN MOVING & STORAGE	925-829-8220	9
* HOTAN CORP	925-829-5311	8
* KINGSTON HEALTH CO	925-803-8113	0
* NORTH AMER VAN LINES AGENT	925-829-8220	7

* 25 BUS 14 RES 6 NEW

GOLDEN GATE DR 94579
SAN LEANDRO

WEALTH CODE 4

X GREER AVE

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 2001

6443	* CHUCKS TRNSMN&CLTCH	925-828-9699	
	* SCHUCKS TRNSMSN SV	925-828-9699	
6447	XXXX	OO	
6451	XXXX	OO	
X	DUBLIN BLVD		
6511	* SMITHKLINE BEECHAM	925-828-2500	
	* WESTRN PATHOLGY GRP	925-828-2500	6
6650	XXXX	OO	
6700	* BUTLER FLEET SERVICES	925-551-0409	7
	* COR O VAN MOVING AND STORAGE	925-829-8220	9
	* HOTAN CORP	925-829-5311	8
	* KINGSTON HEALTH CO	925-803-8113	+0
	* KINGSTON HEALTH CO	925-828-1369	+0
	* NORTH AMER VAN LINES AGENT	925-829-8220	7
	* NORTH AMERICAN VAN LINES AGENT	925-829-9398	8
	* POTTERY&FLORAL WORLD	925-556-9370	+0
*	21 BUS 14 RES 6 NEW		

GOLDEN GATE DR 94579
SAN LEANDRO

WEALTH CODE 4.0

X GREER AV

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 1994

6431	XXXX	00	
6433	XXXX	00	
6435	XXXX	00	
6437	XXXX	00	
6441	*TRI VLY MUFFLER CO	829-4441	+4
6443	*CHUCKS TRNSMN&CLTCH	828-9699	9
	*SCHUCKS TRNSMSN SV	828-9699	6
6447	XXXX	00	
6451	XXXX	00	
6511	*SMITHKLINE BEECHAM	828-2500	0
*	12 BUS 11 RES	3 NEW	

GOLDEN GATE DR 94579
SAN LEANDRO

WEALTH CODE 3

15150	MONETTE Patrick	357-6746	3
15159	REED Raleigh C	614-8476	+4
15166	XXXX	00	
*	0 BUS 3 RES	1 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 1989

6441	XXXX	00	
6443	*CHUCKS TRNSMN SERV	828-9699	+9
	*SCHUCKS TRNSMSN SV	828-9699	6
6445	*ACETEK COMPANY	828-3204	7
6447	XXXX	00	
6451	*ASSOCTD FMLY PHOTO	828-8991	6
6453	*A L WILLIAMS INS SV	833-8776	6
	*A L WILLIAMS INS SV	833-2441	6
	*A L WILLIAMS INS SV	833-9293	6
6511	*INTL CLNCL LABS WST	828-2500	3
*	17 BUS 11 RES	4 NEW	

GOLDEN GATE DR 94579
SAN LEANDRO

15150	ROGERS R	352-3977	7
15159	LANDWEHR Leo C	483-5633	
15165	SHERLING Keith	483-4384	6
15166	XXXX	00	
*	0 BUS 4 RES	0 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 1985

6433	WINDSOR DOOR DUBLIN	829-8441	4
6435	DUBLIN LIGHTING	829-6546	4
6437	BRASS DECOR	829-6979	4
6441	C C CUISINE	930-0410	2
	C C CUISINE	828-7612	2
6443	TRI VLY REFINISHERS	829-9091	2
6447	RICKS ATMTV&DETAIL	828-1665	+5
6451	OGGIE CREATIONS	829-3324	4
6453	MAINE LOBSTER&SEAFD	829-0920	1
6511	INTL CLNCL LABS WST	828-2500	3
6700	XXXX	00	
★	21 BUS 5 RES	5 NEW	

GOLDEN GATE DR 94579
SAN LEANDRO

15150	RGOERS R	352-3977	+5
15154	UNVERFERTH H P	351-2179	
15159	LANDWEHR LEO C	483-5633	
15166	LOMELINO RUTH M	483-4754	
★	0 BUS 4 RES	1 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 1980

GOLDEN GATE DR 94566
DUBLIN

6700	LIBERTY HOUSE DSTB	833-2149 +0
*	LIBERTY HOUSE DSTB	833-2295 9
*	LIBERTY HOUSE DSTB	833-2191+0
*	LIBERTY HOUSE DSTB	833-2152+0
*	LIBERTY HSE ACCTNTS	833-2295
*	LIBERTY HSE CSTMR	833-2295
*	LIBERTY HSE PRCHSNG	833-2152+0
*	LIBERTY HSE TRAFFIC	833-2149+0
*	7 BUS 1 RES	5 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

Golden Gate Dr 1975

5948 PATTERSON WM 237-2769
5950 MONTGOMERY CHAS L 235-8042 4
* 0 BUS 9 RES 1 NEW

GOLDEN GATE DR 94566 DUBLIN

6700*LIBERTY HOUSE 828-8610+5
*LIBERTY HS RGNL OFC829-0250 4
* 2 BUS 0 RES 1 NEW

GOLDEN GATE WAY 94549 LAFAYETTE

3418*EARTH MECHNCS ENGRG284-2171 4
THURM H CNSLTG ENGR284-2171+5

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard
Dublin, CA 94568

Inquiry Number: 3389904.3
August 15, 2012

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
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800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

8/15/12

Site Name:	**Client Name:**
Crown Chevrolet Cadillac Isuzu	AMEC E&I, Inc.
7544 Dublin Boulevard	1465 North McDowell Blvd
Dublin, CA 94568	Petaluma, CA 94954-0000
EDR Inquiry # 3389904.3	Contact: Susan Panttaja

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Certified Sanborn Results:

Site Name:	Crown Chevrolet Cadillac Isuzu
Address:	7544 Dublin Boulevard
City, State, Zip:	Dublin, CA 94568
Cross Street:	
P.O. #	C012200964
Project:	Crown Chevrolet Cadillac Isuzu
Certification #	1105-4442-8769

Sanborn® Library search results
Certification # 1105-4442-8769

UNMAPPED PROPERTY

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- ✔ Library of Congress
- ✔ University Publications of America
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Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard
Dublin, CA 94568

Inquiry Number: 3389904.4
August 16, 2012

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EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
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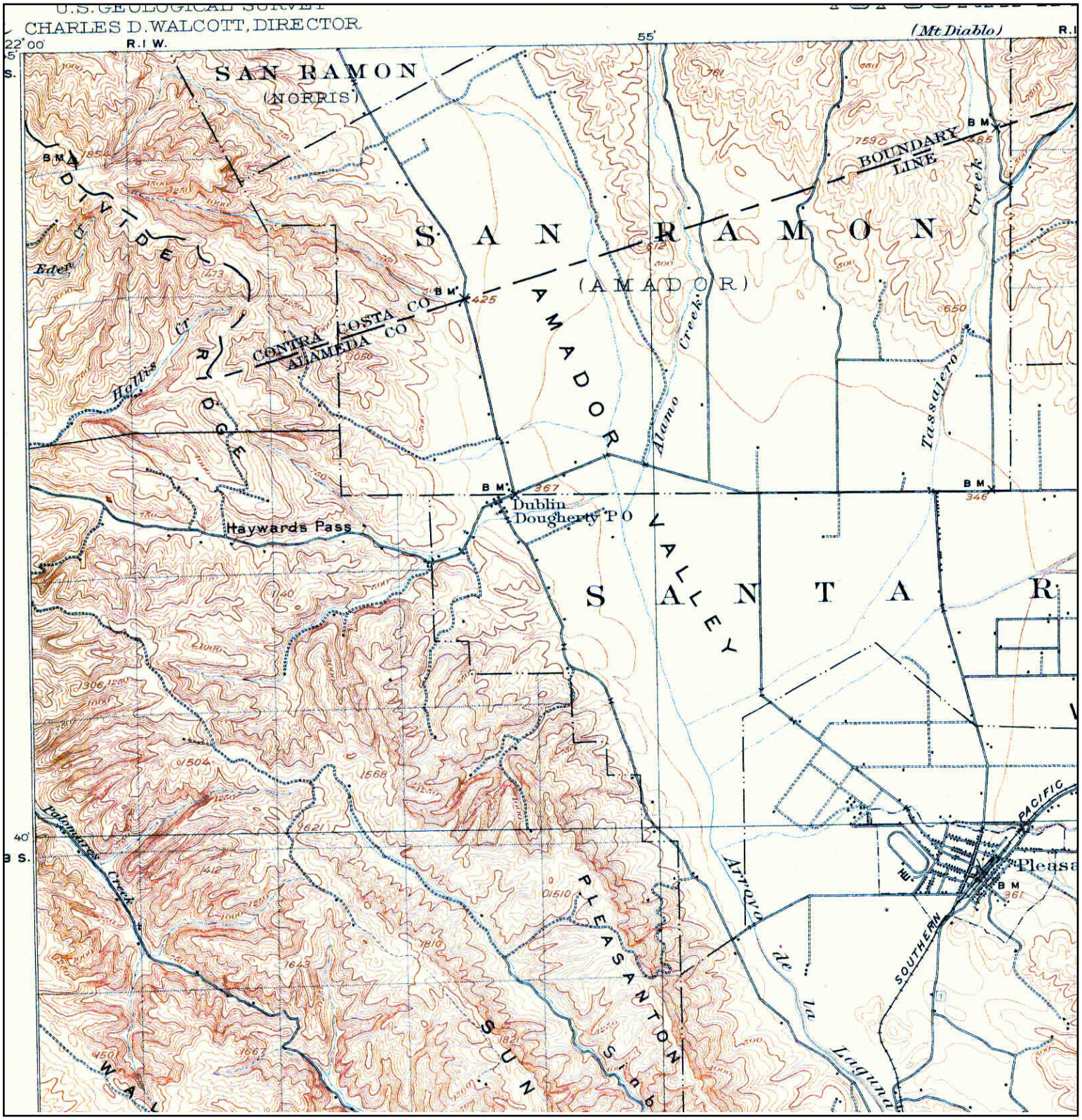
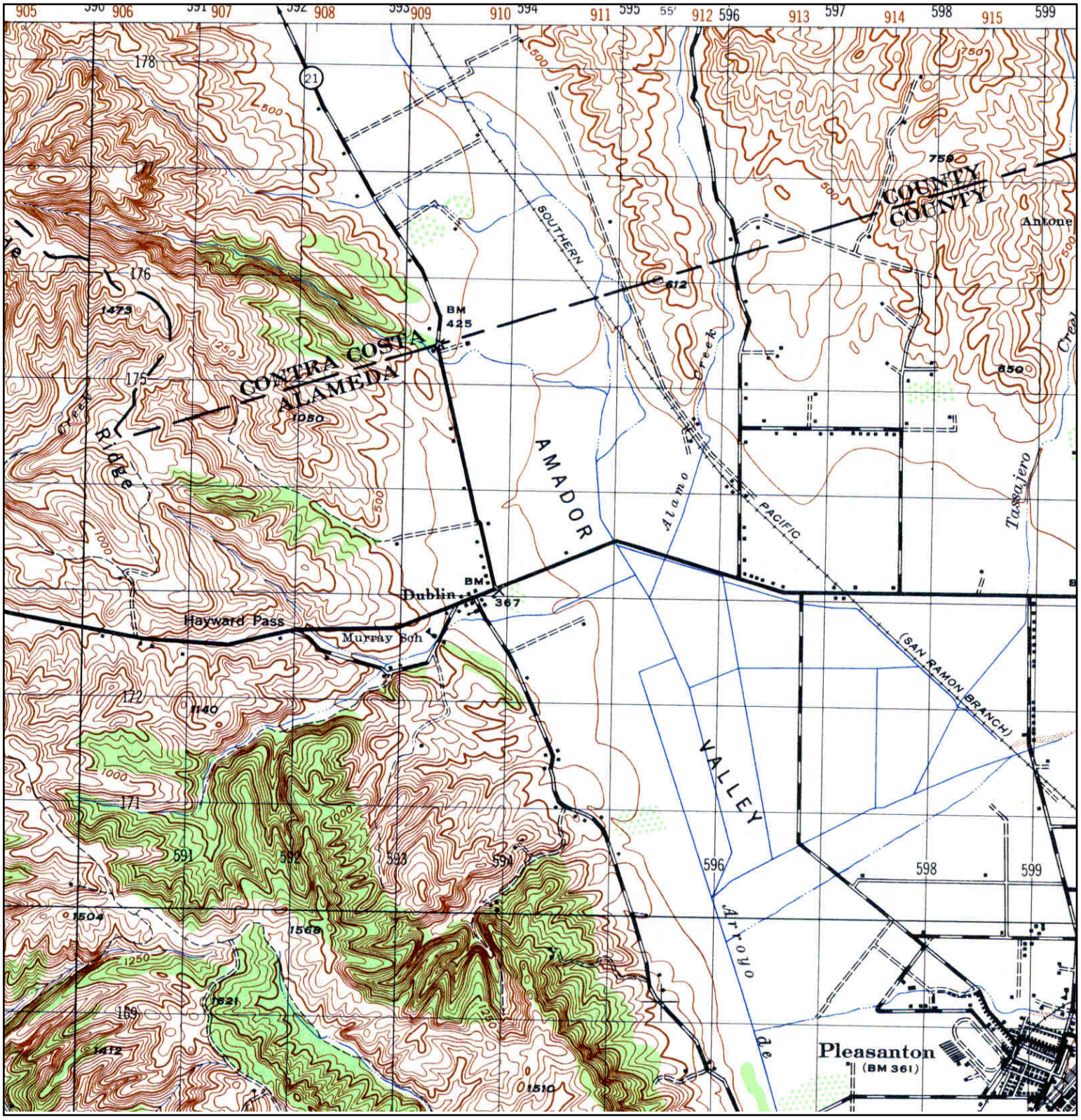
Historical Topographic Map



N	TARGET QUAD NAME: PLEASANTON MAP YEAR: 1906 SERIES: 15 SCALE: 1:62500	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Historical Topographic Map



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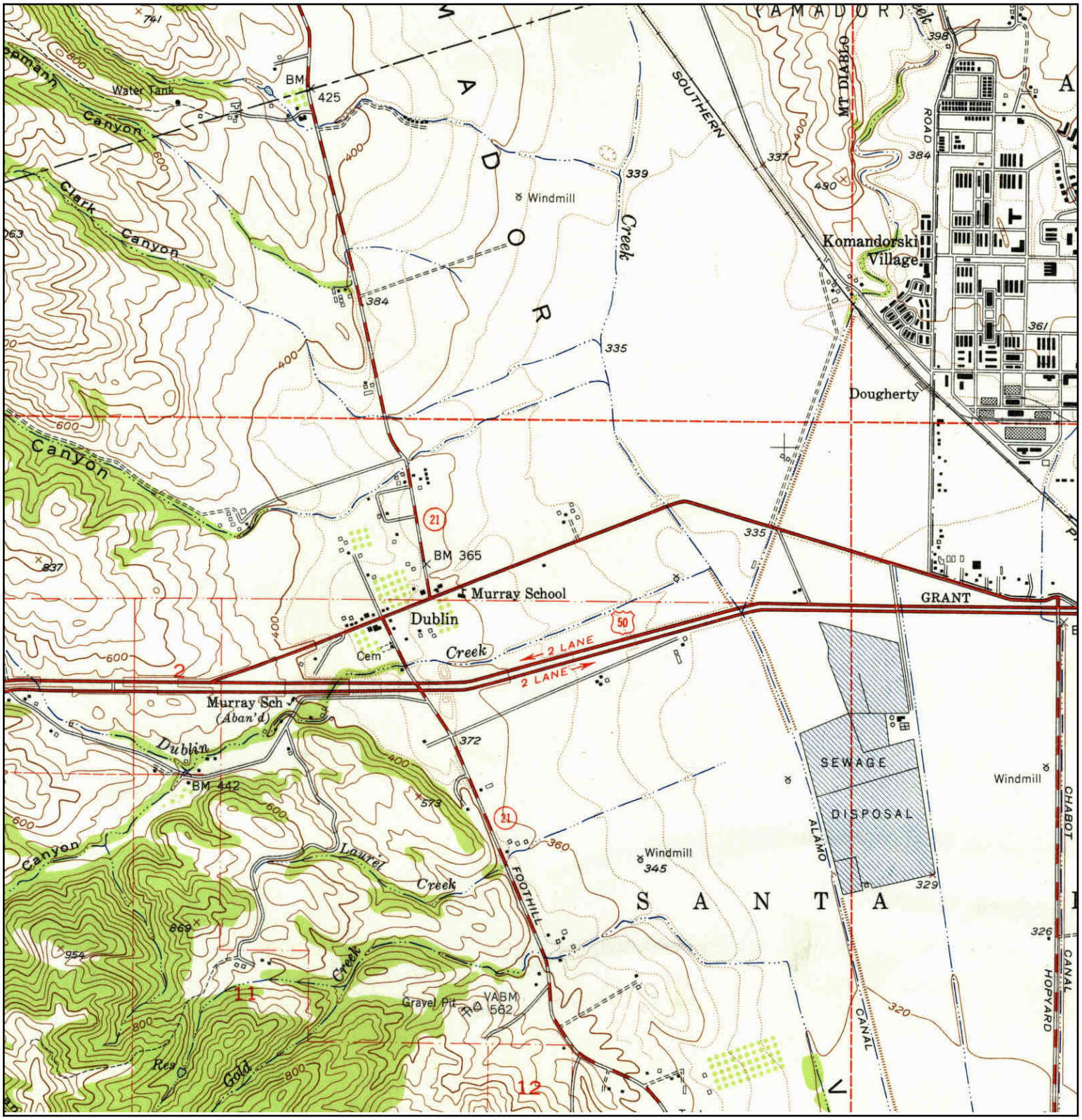
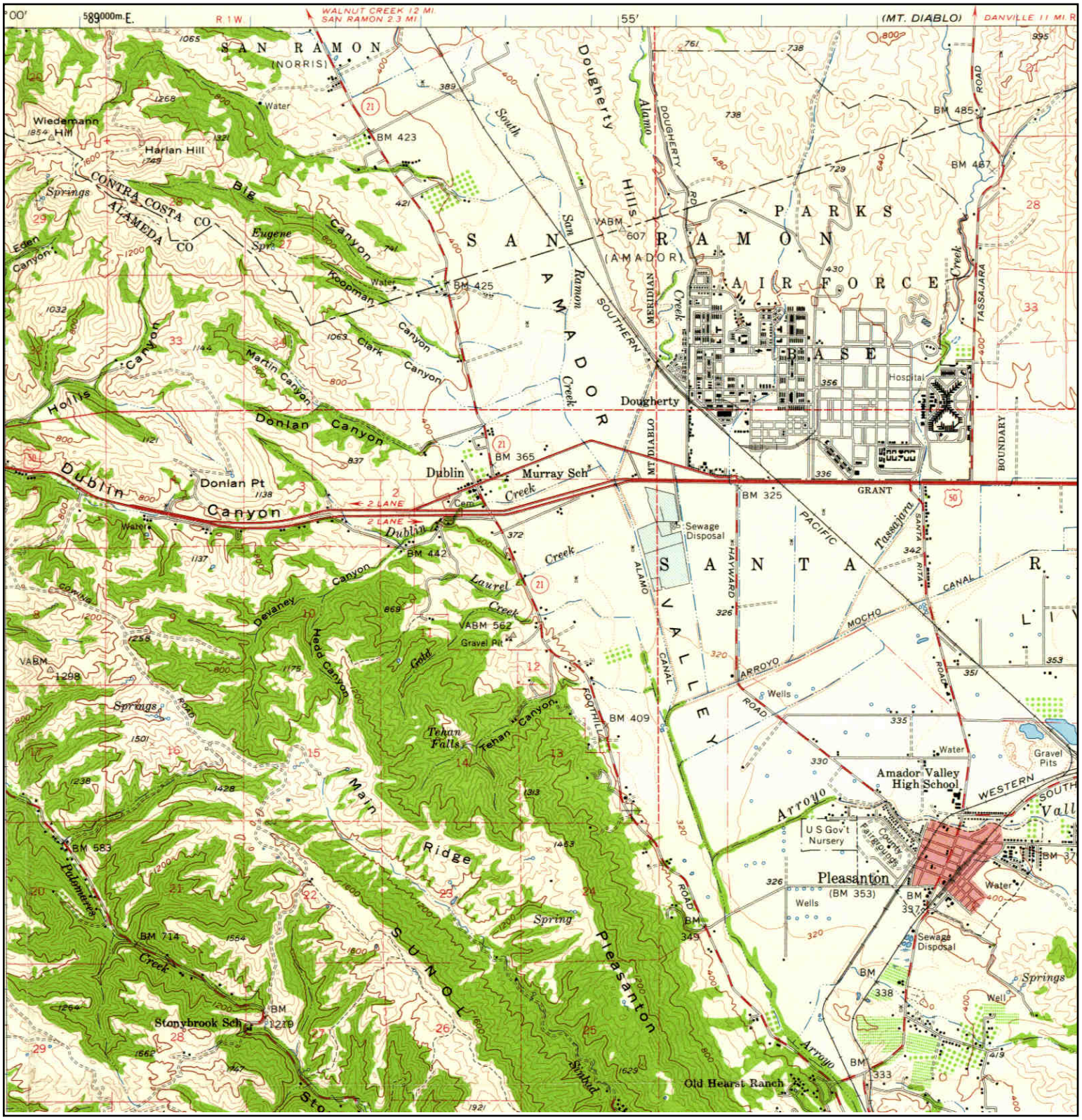
Historical Topographic Map



N	TARGET QUAD NAME: DUBLIN MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Historical Topographic Map


SAN RAMON
(NORRIS)
WALNUT CREEK 12 MI.
SAN RAMON 2.3 MI.
(MT. DIABLO)
DANVILLE 11 MI.
Wiedemann Hill
Harlan Hill
CONTRA COSTA CO
ALAMEDA CO
Big Canyon
Eugene Spr.
Koopman Canyon
Clark Canyon
Martin Canyon
Donlan Canyon
Hollis Canyon
Eden Canyon
South Dougherty Hills
San Ramon Creek
Alamo Creek
SOUTHERN PACIFIC
MERIDIAN
DOUGHERTY RD
SAN AMADOR
(AMADOR)
SAN RAMON PARKS AIR FORCE BASE
Hospital
Dougherty
Dublin
Murray Sch
Donlan Pt
Dublin Canyon
2 LANE
Cem
Sewage Disposal
MT DIABLO
GRANT
BOUNDARY
TASSAJARA
SANTA RITA
CANAL
MOCHO
ARROYO
HAYWARD
ALAMO
SANTA RITA VALLEY
Tassajara Creek
Laurel Creek
Devaney Canyon
Hedd Canyon
Gold
Gravel Pit
Tehan Falls
Tehan Canyon
FOOTHILL
Main Ridge
Pulgunnera
Stonybrook Sch
Spring
Sunol
Pleasanton
Sinbad
Old Hearst Ranch
Wells
Water
Springs
Well
Amador Valley High School
U S Gov't Nursery
Fairgrounds
Pleasanton
(BM 353)
Gravel Pits
WESTERN
SOUTH
Arroyo
BM 423
BM 425
BM 365
BM 442
BM 409
BM 325
BM 485
BM 487
BM 583
BM 714
BM 349
BM 338
BM 333
BM 397
VABM 607
VABM 562
VABM
1298
1279
1662
1447
1629
1921
1419
1313
1453
1564
1264
1501
1238
1428
1175
1137
1138
1032
1065
1268
1321
1749
1854
1063
1144
1121
937
869
995
738
761
729
430
356
336
342
372
353
351
335
330
326
320
389
421
400
480
640
800
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6800
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8400
8800
9200
9600
10000
10400
10800
11200
11600
12000
12400
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15600
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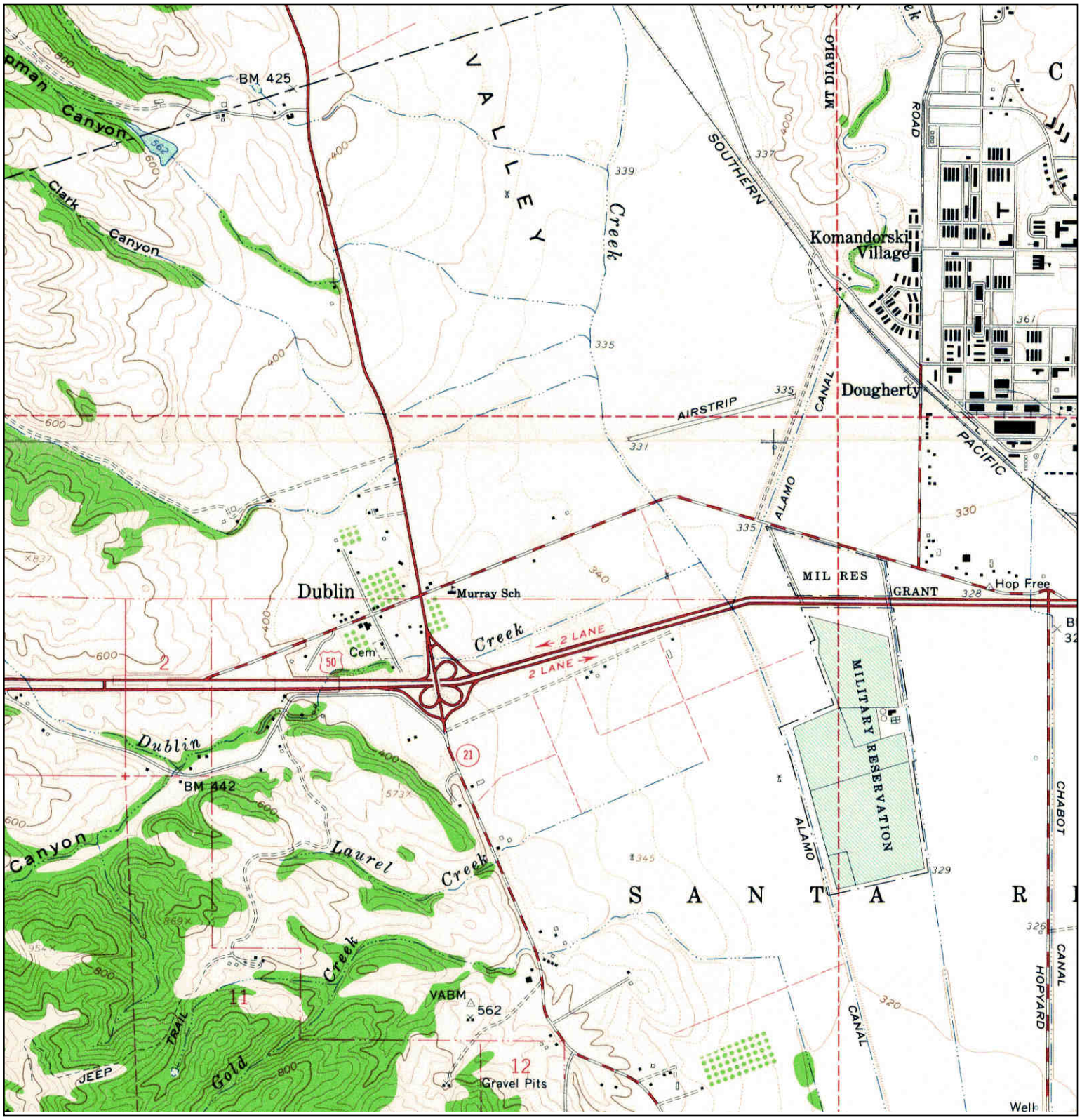
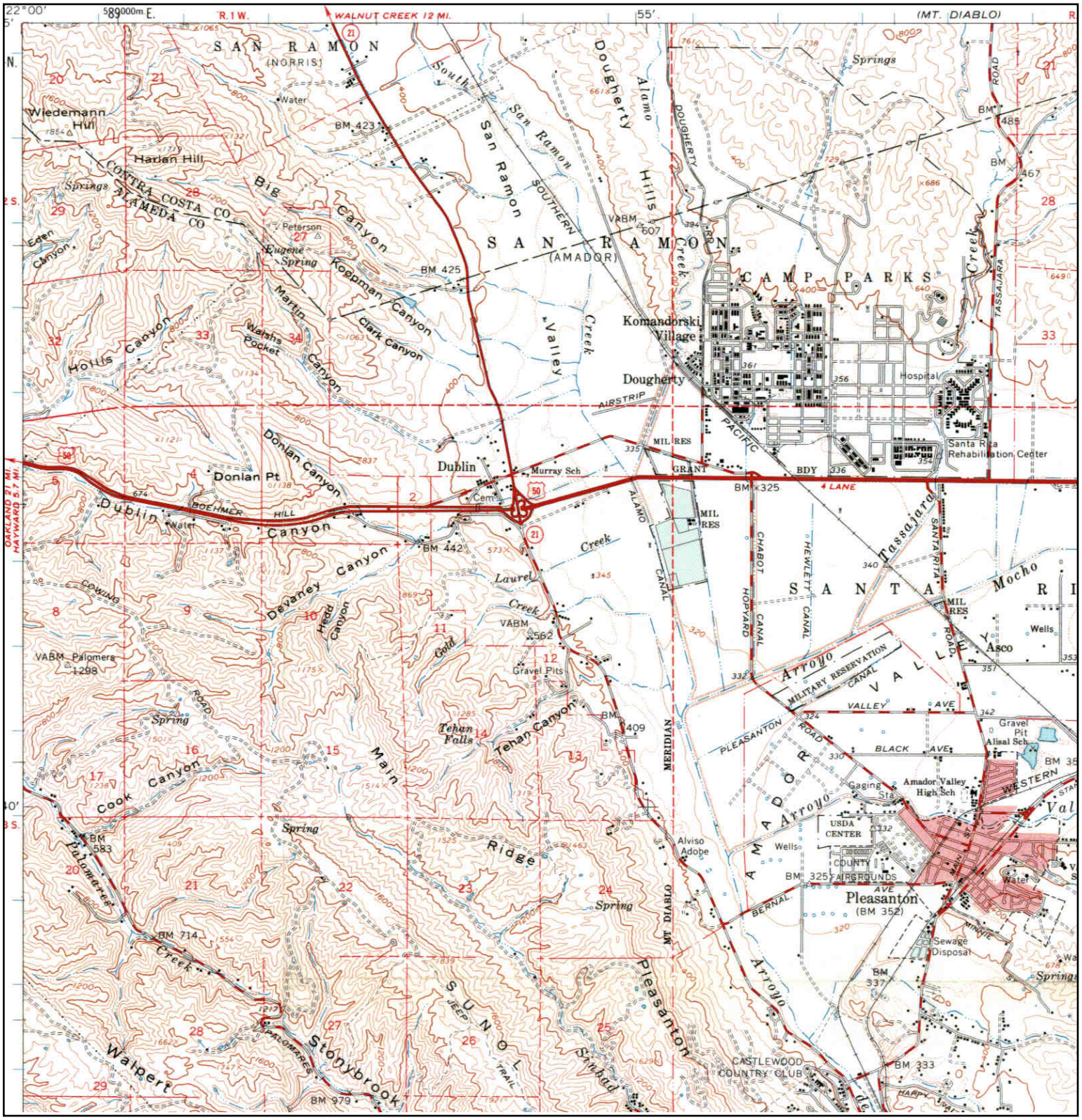
16400
16800
17200
17600

Historical Topographic Map



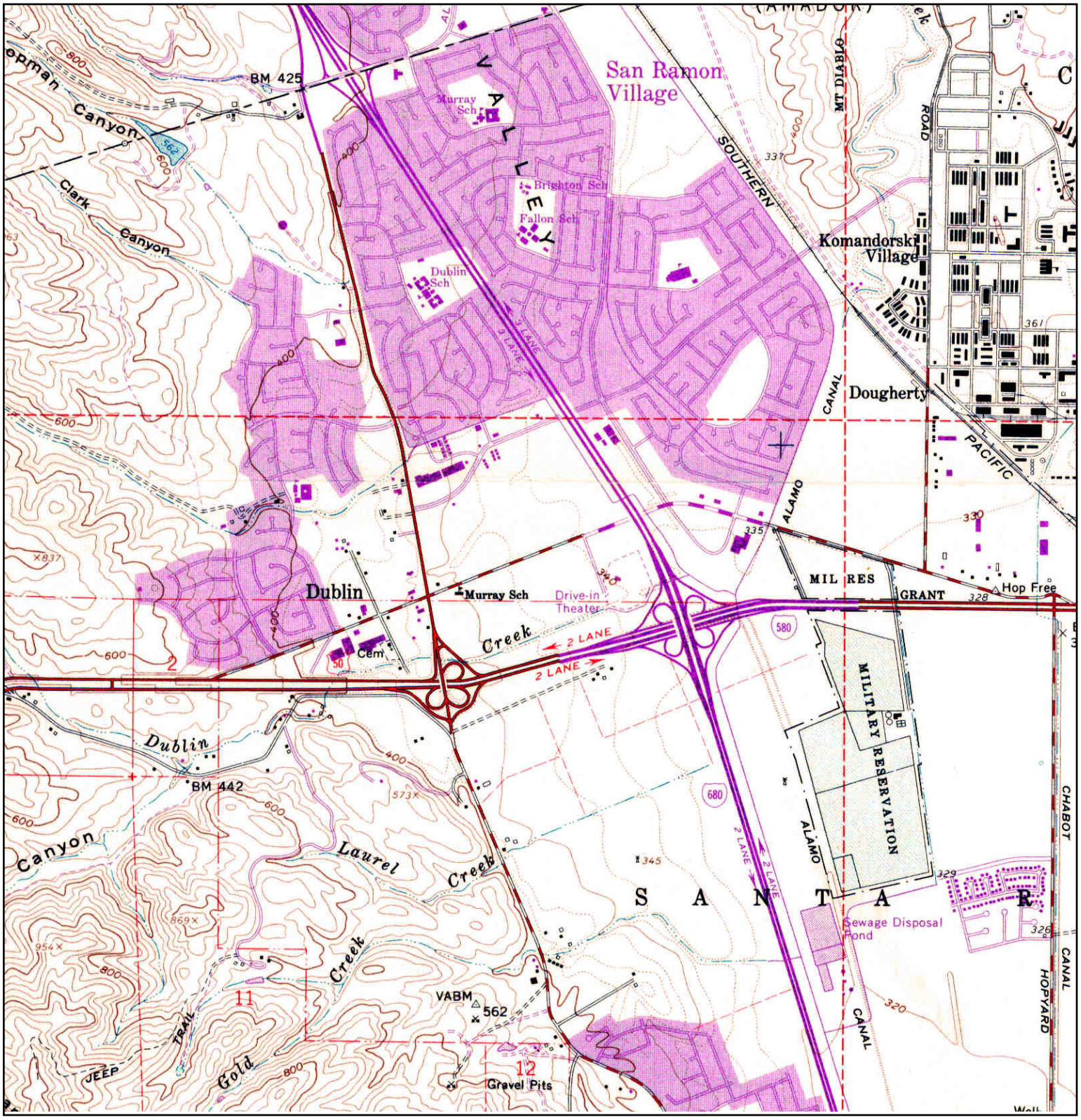
N	TARGET QUAD NAME: DUBLIN MAP YEAR: 1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Historical Topographic Map



N	TARGET QUAD NAME: LIVERMORE MAP YEAR: 1961 SERIES: 15 SCALE: 1:62500	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Historical Topographic Map



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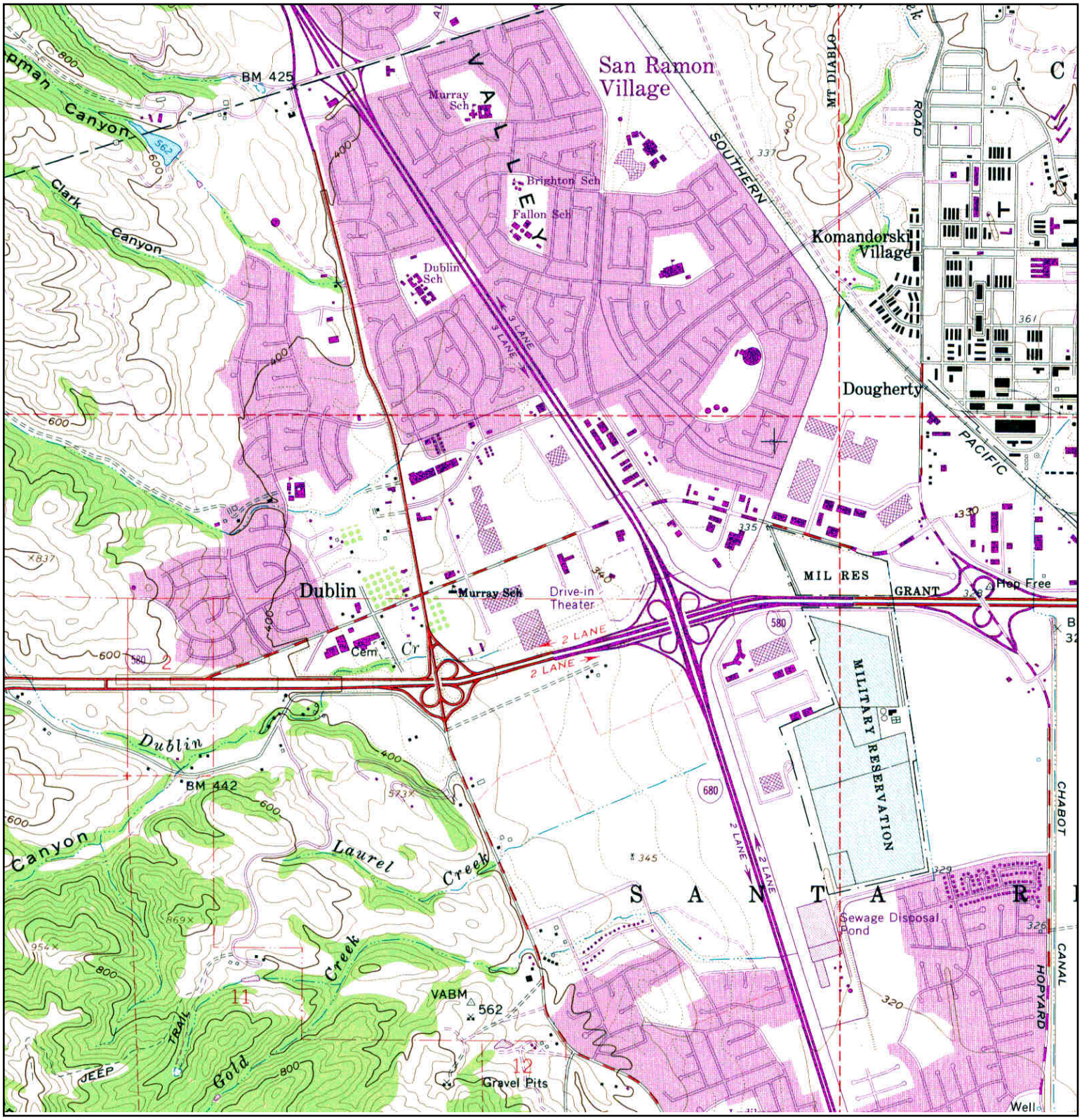
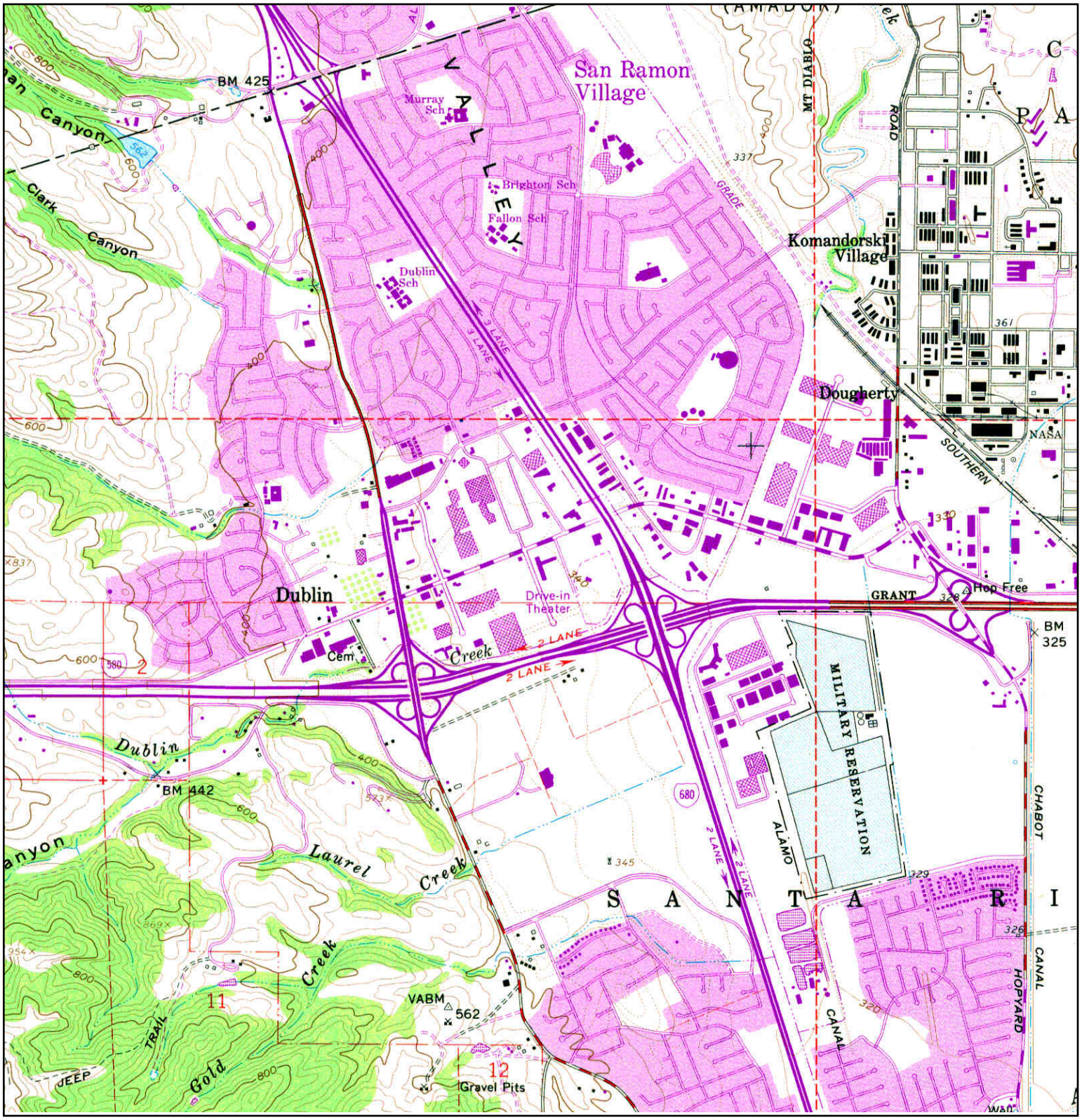
Historical Topographic Map



N	TARGET QUAD NAME: DUBLIN MAP YEAR: 1973 PHOTOREVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Historical Topographic Map



N	TARGET QUAD NAME: DUBLIN MAP YEAR: 1980 PHOTOREVISED FROM :1961 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Crown Chevrolet Cadillac Isuzu ADDRESS: 7544 Dublin Boulevard Dublin, CA 94568 LAT/LONG: 37.7035 / -121.9286	CLIENT: AMEC E&I, Inc. CONTACT: Susan Panttaja INQUIRY#: 3389904.4 RESEARCH DATE: 08/16/2012

Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard
Dublin, CA 94568

Inquiry Number: 3389904.5
August 21, 2012

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Date EDR Searched Historical Sources:

Aerial Photography August 21, 2012

Target Property:

7544 Dublin Boulevard

Dublin, CA 94568

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1958	Aerial Photograph. Scale: 1"=555'	Flight Year: 1958	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1975	Aerial Photograph. Scale: 1"=666'	Flight Year: 1975	NASA
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1993	EDR
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR

INQUIRY #: 3389904.5
YEAR: 1939
= 555'
N

INQUIRY #: 3389904.5
YEAR: 1946
= 655'
N

INQUIRY #: 3389904.5
YEAR: 1958
= 555'
N

INQUIRY #: 3389904.5
YEAR: 1965
= 333'
N

INQUIRY #: 3389904.5
YEAR: 1975
= 666'
N

INQUIRY #: 3389904.5
YEAR: 1982
= 690'
N

INQUIRY #: 3389904.5
YEAR: 1993
= 500'
N

INQUIRY #: 3389904.5
YEAR: 1998
= 666'
N

INQUIRY #: 3389904.5
YEAR: 2005
= 500'
N

INQUIRY #: 3389904.5
YEAR: 2006
= 500'
N

APPENDIX J

Dublin San Ramon Services District Map

Figure 2-10: Sanitary Sewer System

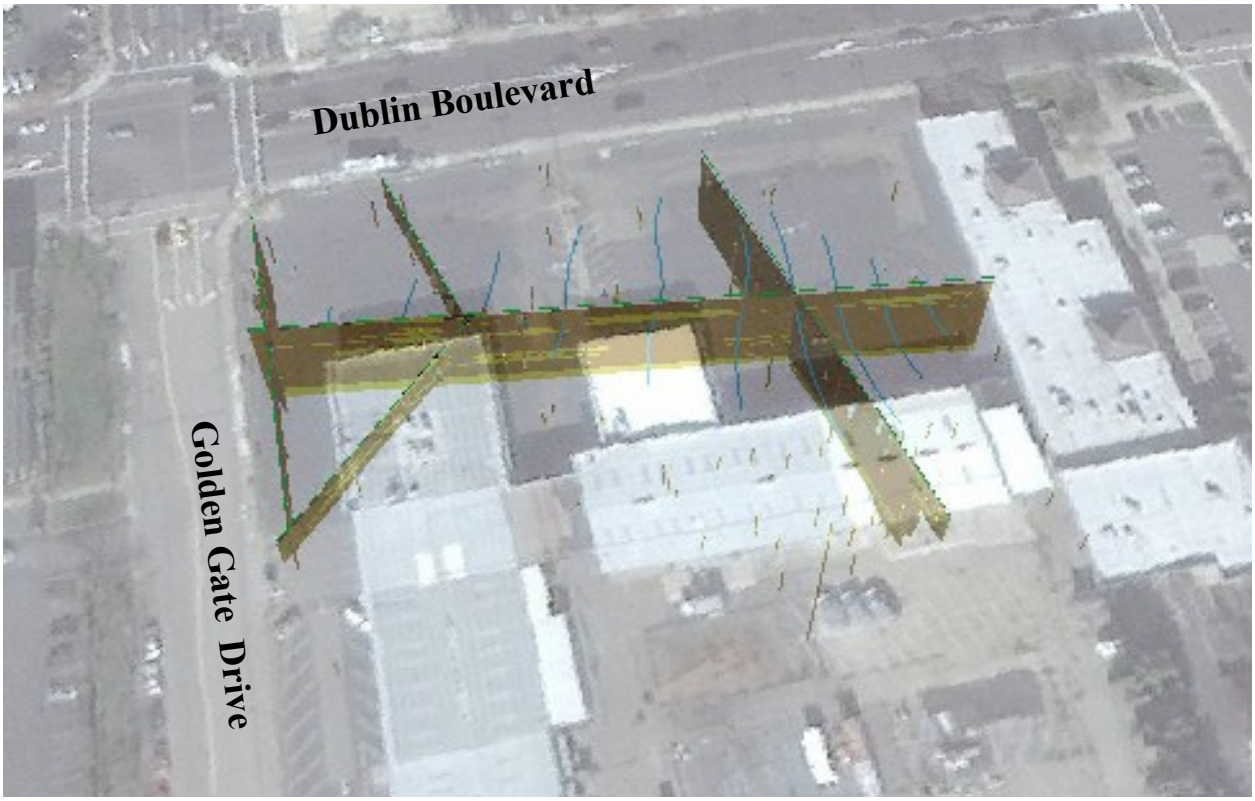
Dry Cleaner

APPENDIX K

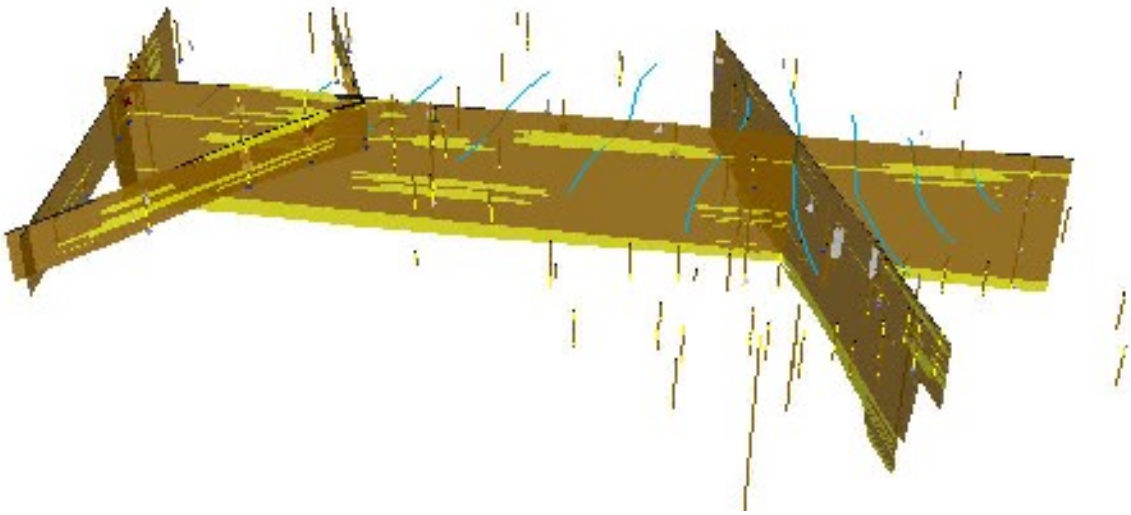
Three Dimensional Visualization

APPENDIX K
THREE-DIMENSIONAL VISUALIZATION

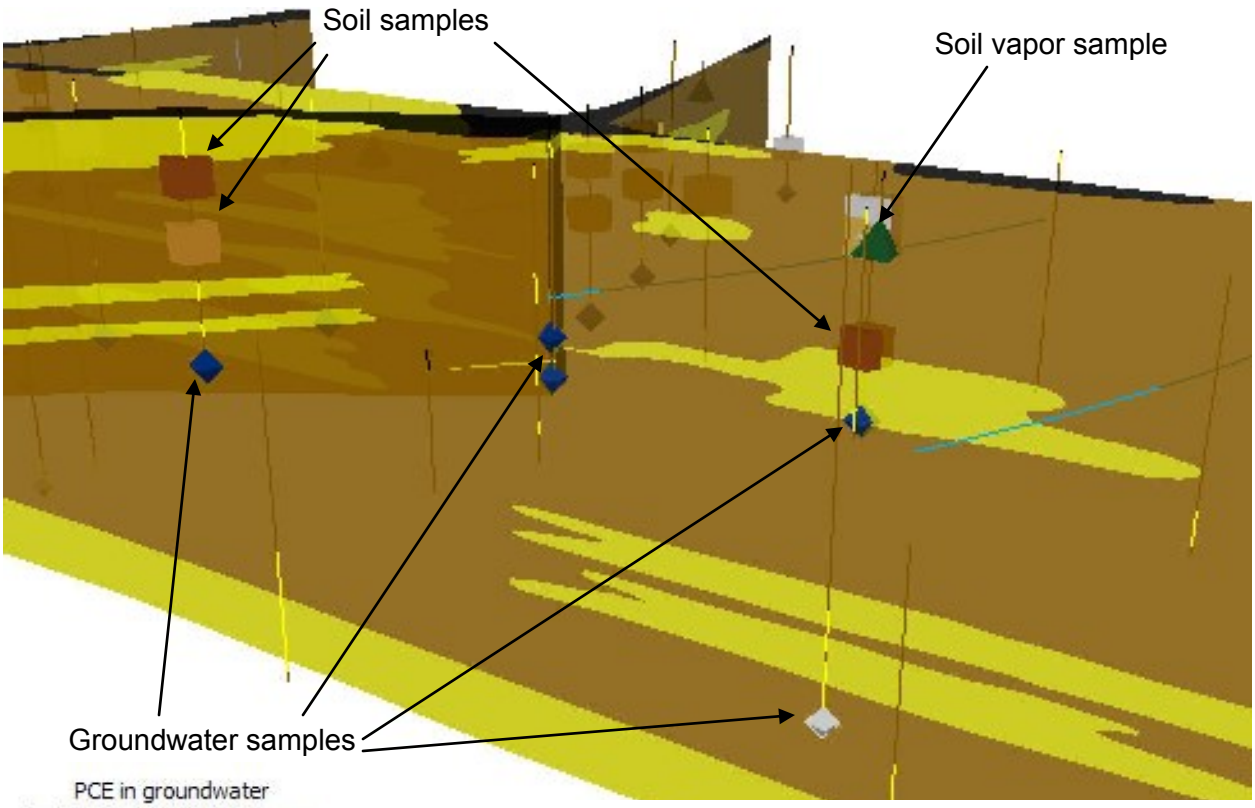
This appendix presents static, 3D visualizations of the northern portion of the 7544 Dublin Boulevard site. Instructions on how to use the interactive 3D visualization, and the actual visualization tool are also included herein.



The above screen capture shows the cross-sections utilized for the 3D visualization, as related to the aerial photo of the site. View looking north-northwest.
Below is a similar view, without the aerial photo, and with the camera closer to ground level.



Sample Legend



PCE in groundwater
- Not detected (max RL 0.5µg/L)
- <= 5.0 µg/L
- > 5.0 and <= 10 µg/L
- > 10 and <= 50 µg/L
- > 50 and <= 100 µg/L
- > 100 and <= 150 µg/L
- > 150 µg/L

PCE in soil
- Not detected (max RL 5.6µg/kg)
- <= 10 µg/kg
- > 10 µg/kg and <=20 µg/kg
- > 20 µg/kg and <=40 µg/kg
- > 40 µg/kg

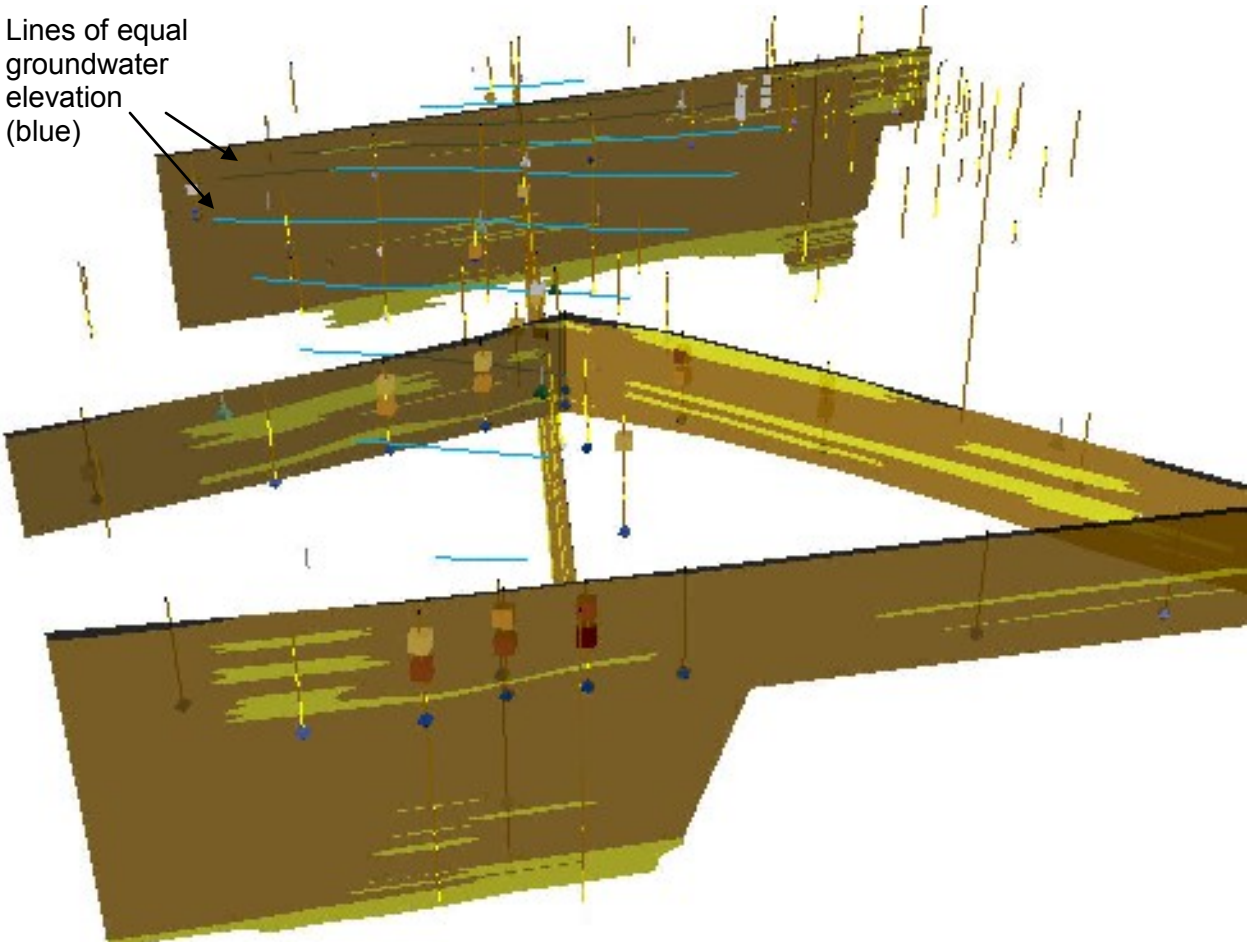
PCE in soil vapor
- Not deteceted (max RL 14 µg/m3)
- <= 1,000 µg/m3
- > 1,000 and <= 5,000 µg/m3
- > 5,000 and <= 10,000 µg/m3
- > 10,000 µg/m3

Samples are depicted in the 3D visualization using these symbols:
- Water samples are diamonds (blue)
- Soil samples are cubes (brown)
- Soil vapor samples are tetrahedron (green)

The color of the symbol represents the relational concentration of tetrachloroethene (PCE). The darker the color, the higher the concentration; refer to the legend at left. Note that for all shapes, white is used for samples not detected at or above the laboratory reporting limit.

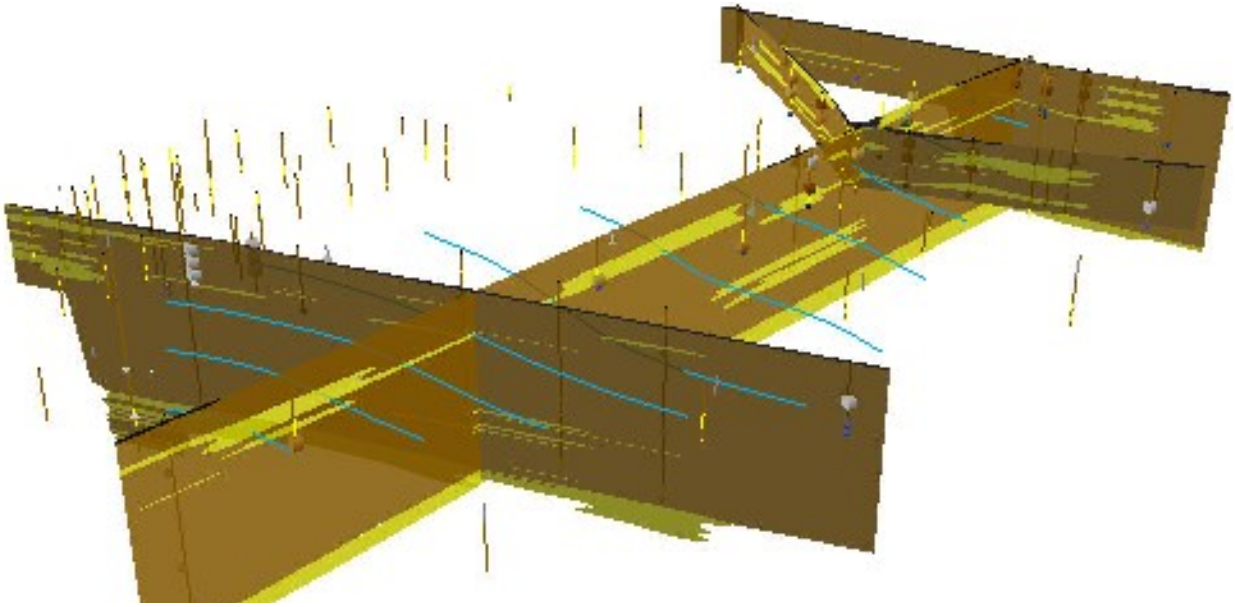
<u>Abbreviations</u>
µg/L = micrograms per liter
µg/kg = micrograms per kilogram
µg/m3 = micrograms per cubic meter

Potentiometric Surface, Shallow Zone

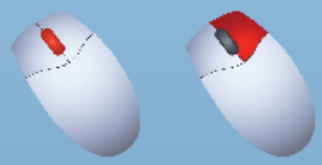


Above: View of 3D visualization looking east from outside the western property boundary.

Below: View of 3D visualization looking south-southwest.



Navigation of the 3D PDF

Rotate	Pan	Zoom
		
Click and hold the Left Mouse Button (LMB) and move the cursor around to rotate or select an object in the Model Tree or 3D work area. Click and hold the LMB to rotate the 3D geometry.	Click and hold the Left Mouse Button (LMB) and Right Mouse Button (RMB) together, and move the cursor around to pan around the 3D geometry.	Roll the Scroller, or Middle Mouse Button (MMB), up and down to zoom in and out. -OR- Click and hold the Right Mouse Button (RMB) and move the cursor up and down to zoom in and out.

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3D

Use 3D Tools to Navigate the 3D Model

Steps:

a) In the top left corner of the work area, hover your mouse over this icon. Select the down arrow to expand the **3D Tools** drop down menu.

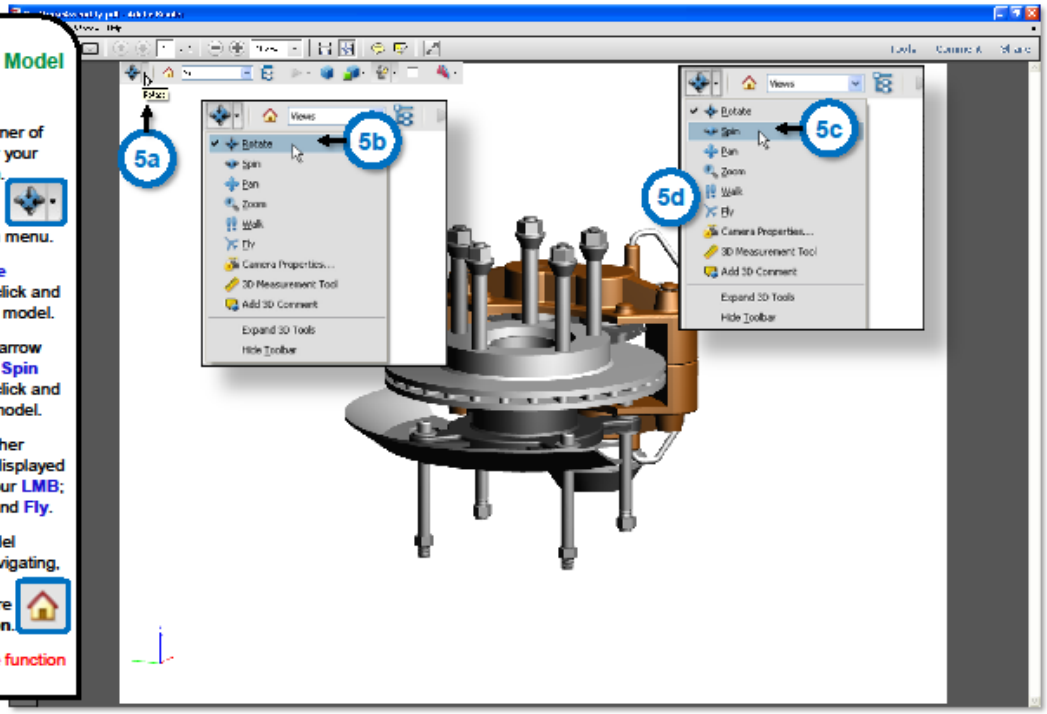
b) Select the **Rotate** function, then **LMB** click and hold to rotate the 3D model.

c) Select the down arrow again and select the **Spin** function, then **LMB** click and hold to spin the 3D model.

d) Practice using other navigation features displayed in the menu using your **LMB**; **Pan**, **Zoom**, **Walk**, and **Fly**.

***Note:** If the 3D model disappears when navigating, click the **Default View** button to restore to the **Home Position**.

Return to the **Rotate** function when finished.



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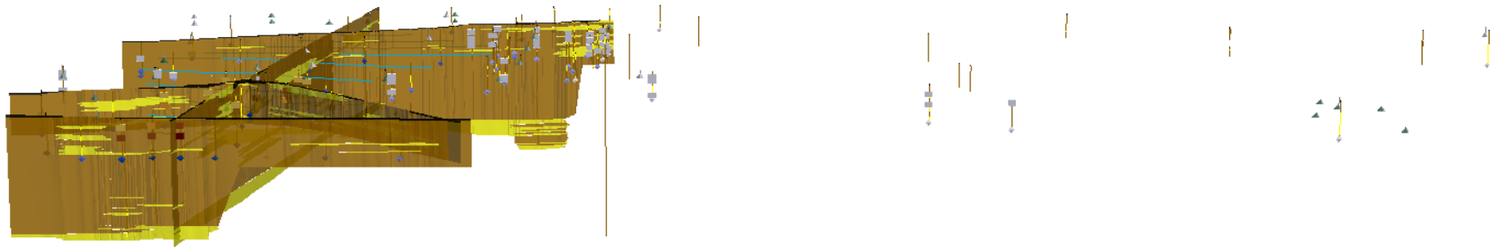
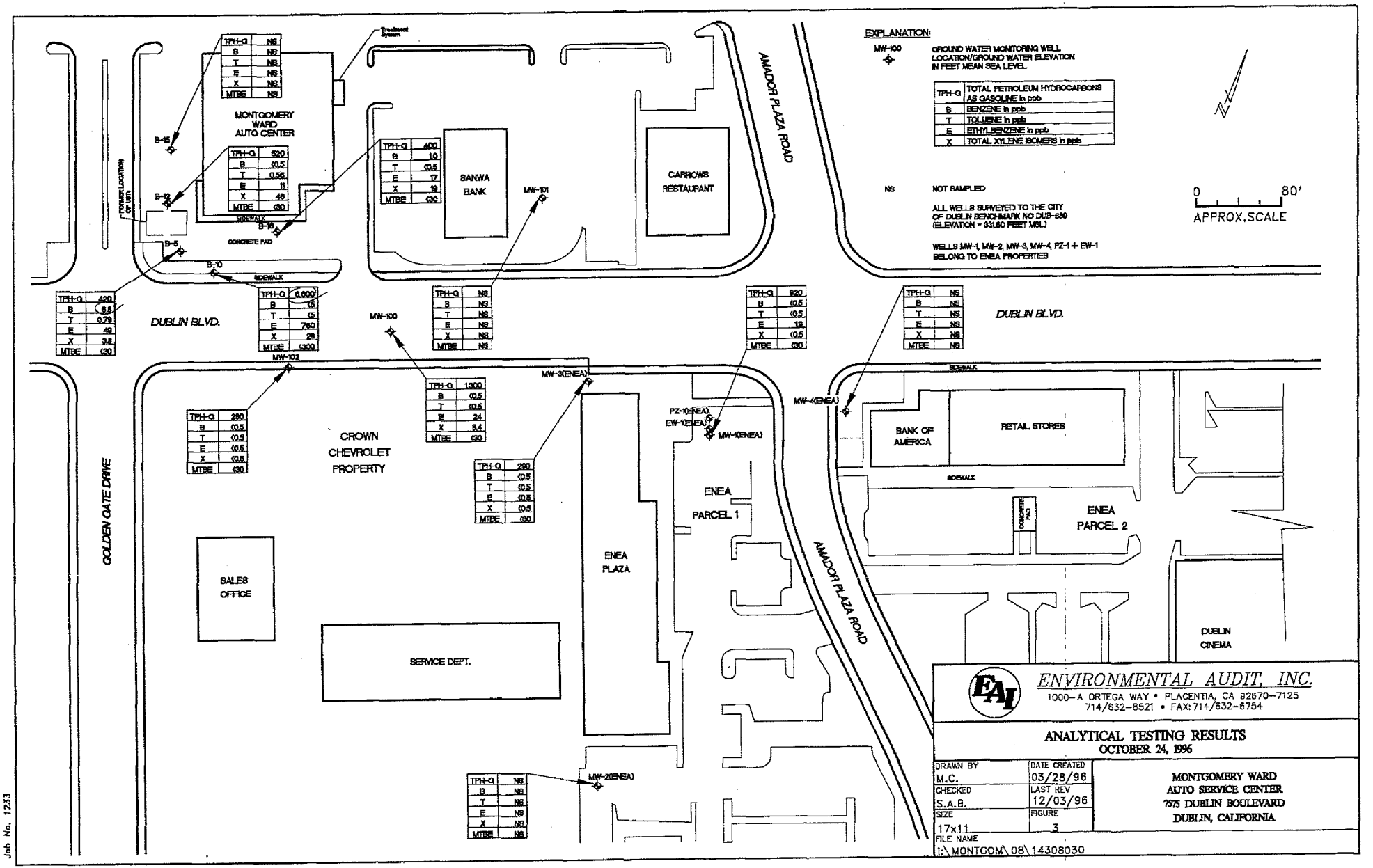
INTERACTIVE VISUALIZATION



APPENDIX L

Historical Extent of Montgomery Ward Plume


EXPLANATION:
MW-100 GROUND WATER MONITORING WELL LOCATION/GROUND WATER ELEVATION IN FEET MEAN SEA LEVEL
TPH-G TOTAL PETROLEUM HYDROCARBONS AS GASOLINE in ppb
B BENZENE in ppb
T TOLUENE in ppb
E ETHYLBENZENE in ppb
X TOTAL XYLENE ISOMERS in ppb
NS NOT SAMPLED
ALL WELLS SURVEYED TO THE CITY OF DUBLIN BENCH-MARK NO DUB-680 (ELEVATION = 331.60 FEET MSL)
WELLS MW-1, MW-2, MW-3, MW-4, PZ-1 + EW-1 BELONG TO ENEA PROPERTIES
0 80'
APPROX.SCALE
MONTGOMERY WARD AUTO CENTER
TPH-G NS
B NS
T NS
E NS
X NS
MTBE NS
TPH-G 520
B <0.5
T 0.56
E 11
X 48
MTBE <30
Treatment System
B-15
B-12
B-18
B-5
B-10
FORMER LOCATION OF USTs
SIDEWALK
CONCRETE PAD
SANWA BANK
TPH-G 400
B 10
T <0.5
E 17
X 19
MTBE <30
MW-101
CARROWS RESTAURANT
AMADOR PLAZA ROAD
DUBLIN BLVD.
TPH-G 420
B 6.8
T 0.79
E 49
X 9.8
MTBE <30
TPH-G 6,600
B <5
T <5
E 760
X 28
MTBE <300
MW-100
TPH-G NS
B NS
T NS
E NS
X NS
MTBE NS
TPH-G 920
B <0.5
T <0.5
E 19
X <0.5
MTBE <30
TPH-G NS
B NS
T NS
E NS
X NS
MTBE NS
MW-102
TPH-G 290
B <0.5
T <0.5
E <0.5
X <0.5
MTBE <30
CROWN CHEVROLET PROPERTY
TPH-G 1300
B <0.5
T <0.5
E 24
X 8.4
MTBE <30
MW-3(ENEA)
TPH-G 290
B <0.5
T <0.5
E <0.5
X <0.5
MTBE <30
PZ-1(ENEA)
EW-1(ENEA)
MW-1(ENEA)
MW-4(ENEA)
ENEA PARCEL 1
ENEA PLAZA
BANK OF AMERICA
RETAIL STORES
CONCRETE PAD
ENEA PARCEL 2
DUBLIN CINEMA
GOLDEN GATE DRIVE
SALES OFFICE
SERVICE DEPT.
TPH-G NS
B NS
T NS
E NS
X NS
MTBE NS
MW-2(ENEA)
ENVIRONMENTAL AUDIT, INC.
1000-A ORTEGA WAY • PLACENTIA, CA 92670-7125
714/632-8521 • FAX: 714/632-6754
ANALYTICAL TESTING RESULTS
OCTOBER 24, 1996
DRAWN BY M.C.
DATE CREATED 03/28/96
CHECKED S.A.B.
LAST REV 12/03/96
SIZE 17x11
FIGURE 3
FILE NAME I:\MONTGOM\08\14308030
MONTGOMERY WARD
AUTO SERVICE CENTER
7575 DUBLIN BOULEVARD
DUBLIN, CALIFORNIA

Job No. 1233