December 21, 2011

Mr. Paresh Khatri Hazardous Materials Specialist Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94501-6577

Subject:

Remediation Report

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California Fuel Leak Case No. RO0003014

Dear Mr. Khatri:

Enclosed please find the *Remediation 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 summarizes remediation activities conducted by AMEC Geomatrix, Inc. (AMEC), on behalf of Crown Chevrolet Cadillac Isuzu, in October 2011.

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) 556-3201 or Avery Patton of AMEC at (510) 663-4154 if you have any questions regarding this report.

Sincerely yours,

Costla

Patrick Costello Owner Crown Chevrolet Cadillac Isuzu

Attachment: Remediation Report

cc: Terri Costello, Betty J. Woolverton Trust Greggory Brandt, Wendel, Rosen, Black & Dean LLP Tondria Hendrix, Zurich North American Insurance Thomas L. Vormbrock, Rimkus Consulting Group, Inc. Terri Costello, Betty J. Woolverton Trust

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Remediation Report

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

Prepared for: Former Crown Chevrolet, Dublin, California

> Prepared by: AMEC, Oakland, California

> > December 2011

Project OD10160070.00005



OF CA

REMEDIATION REPORT

Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California Fuel Leak Case No. RO0003014

December 21, 2011 Project OD10160070.00005

This report was prepared by the staff of AMEC Geomatrix, Inc., under the professional supervision of Andrew M. Lojo. 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.

lus. 6034 EXP2/28/20

Andrew M. Lojo, PG #6034 Senior Geologist

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REMEDIATION REPORT

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

1.0 INTRODUCTION

AMEC Geomatrix, Inc. (AMEC), has prepared this report on behalf of Crown Chevrolet Cadillac Isuzu (Crown) for the property located at 7544 Dublin Boulevard and 6707 Golden Gate Drive in Dublin, California (the site; Figure 1). This report presents the results of soil remediation activities conducted at two areas within Building B at the site (Figures 2 and 3); a former oil-water separator sump (the sump), and a former front-end alignment pit (F.E. Pit). Dewatering was conducted as an additional remedial measure to remove VOC-affected groundwater from the sump excavation. The work was performed in response to the finding of elevated volatile organic compound (VOC) concentrations in soil and groundwater at these locations, as described in the *Revised Soil and Groundwater Investigation Report*, submitted to the Alameda County Health Agency, Department of Environmental Health (ACEH) on April 18, 2011 (AMEC, 2011a).

The remedial activities were conducted from October 18 through 31, 2011, by Pacific States Environmental Contractors, Inc. (Pac States), a California Class A licensed contractor with a supplemental Hazardous Substance Removal Certification. Pac States implemented the remedial activities described in the *Revised Sump Remediation Work Plan* (Work Plan) submitted to ACEH on May 26, 2011 (AMEC 2011b), under the direction of AMEC. The Work Plan was approved by ACEH on June 30, 2011.

Although not described in the Work Plan, Pac States also performed additional soil remediation activities at the nearby F.E. Pit, where similar constituents were detected in soil at the sump. AMEC notified ACEH of the additional planned remedial excavation by e-mail on September 14, 2011, after receipt of additional soil investigation results that showed the presence of elevated concentrations of VOCs in soil in this area.

2.0 BACKGROUND

The site is located on the relatively flat floor of a valley that extends to the north-northwest, toward San Ramon and Danville. The closest water body is a creek that flows through a culvert. The creek flows from a gully located 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. Groundwater has been encountered in borings and wells at both the former Montgomery Ward property (Environmental Audit, Inc., 1996) across Dublin Boulevard to the north of the site, and at the former Quest Laboratory property (Bureau Veritas, 2009), immediately south of the site, at



depths ranging from approximately 8 to 16 feet below ground surface (bgs). Groundwater flows to the east-southeast in the vicinity of the site, based on monitoring data associated with the former Montgomery Ward property.

Several phases of soil and groundwater investigation were conducted at the site from October 2008 through January 2011; these investigations are described in more detail in the Work Plan (AMEC, 2011b). Information obtained during those investigations identified the presence of VOCs in soil and groundwater underlying an oil-water separator sump in Building B (the sump). Further soil and groundwater investigation activities completed in August 2011, and described in the *Soil, Groundwater, and Soil Vapor Investigation Report,* submitted to ACEH on September 27, 2011 (AMEC, 2011c), identified the presence of VOCs in soil beneath the F.E. Pit as well. The VOCs of concern in both areas include chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene.

3.0 OBJECTIVES AND REMEDIAL GOALS

Concentrations of VOCs detected in soil and groundwater samples from the site were compared to Environmental Screening Levels (ESLs) published by the California Regional Water Quality Control Board, San Francisco Bay Region (Regional Water Board), based on a residential land use scenario, and assuming that groundwater is a drinking water resource (Regional Water Board, 2007). The 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. Concentrations of constituents above their respective ESLs do not necessarily indicate a risk is present, but rather suggest that additional scrutiny is warranted.

Analytical laboratory results for soil and groundwater samples collected in the vicinity of the sump located in Service Area 2 of Building B, and for soil located in the vicinity of the former F.E. Pit located in Service Area 1 of Building B indicated that VOC concentrations were above their respective ESLs.

The objectives of the remedial activities were to remove accessible soil impacted by VOCs in the sump and F.E. Pit areas, and to remove some groundwater that was impacted by VOCs in the sump area. The locations of the sump and F.E. Pit excavations are shown on Figure 3.

4.0 **REMEDIATION ACTIVITIES**

The pre-field and field activities performed during the October 2011 remedial work are discussed in the following sections.



4.1 PRE-FIELD ACTIVITIES

Activities performed prior to beginning field work are discussed below.

4.1.1 Excavation Design

Previously submitted reports (AMEC, 2011a and 2011c; Ninyo & Moore, 2011a and 2011c; and Basics Environmental, 2008) summarized concentrations of VOCs in soil and groundwater in the vicinity of the sump and F.E. Pit. The reports indicated the following:

- Concentrations of VOCs in soil declined with depth beneath the base of the sump and F.E. Pit.
- Concentrations of VOCs in soil declined laterally away from the sump (i.e., within approximately 15 feet) and did not extend a significant distance beyond the boundaries of the F.E. Pit (i.e., within approximately 5 feet).
- VOCs were present in shallow groundwater above drinking water ESLs beneath the sump, but not beneath the F.E. Pit.

The excavation design was restricted by the presence of one interior building wall and one exterior building wall adjacent to each excavation area.

Based on the data provided in the above-referenced reports, and the restrictions due to the building walls, the approximate excavation boundaries were established at 20 feet by 20 feet at the sump, and approximately 12 feet by 12 feet at the F.E. Pit (Figure 2). A depth of 16 feet below ground surface (bgs) was selected for the sump excavation, which is approximately 1 to 5 feet below the depth that groundwater was encountered in the previous borings in the vicinity. A depth of 12 feet bgs was selected for the F.E. Pit excavation, as soil boring data indicated that VOC concentrations were below ESLs by 12 feet bgs.

In May 2011, AMEC retained Gregg Drilling and Testing, Inc., to advance a boring adjacent to the sump excavation area using cone penetrometer technology (CPT). The CPT boring was advanced to obtain geotechnical data that would be needed to evaluate excavation shoring options.

Pac States retained Cornerstone Earth Group (Cornerstone), to review the CPT data, as well as copies of soil boring logs from prior investigations at the site, in order to recommend appropriate shoring methods. Following consultation with Cornerstone, and based on the presence of internal and external building walls, Pac States chose to perform both excavations using a slot-cutting method, which avoids the need to install traditional shoring.

Slot cutting is a method of removing soil near structures and building foundations in thin slices to minimize the amount of exposed vertical surfaces at any one time. The maximum width of each vertical excavation cut recommended by Cornerstone was originally 1.5 feet. Cornerstone also recommended that a minimum of 3 feet of soil or backfill material be left in place between open trenches at any time. Each trench was required to be backfilled using a



mixture of sand and cement (slurry) in accordance with Cornerstone's mix recommendations. A minimum of 24 hours was specified to allow the slurry to cure before adjacent slots could be excavated. The slurry is a low permeability material designed to meet ACEH requirements, as specified in the Work Plan.

Copies of Cornerstone's engineering reports are included in Appendix A.

4.1.2 Permits

Prior to the start of excavation work, Pac States obtained a building permit from the City of Dublin (Permit No. BLDG-2011-00835). This permit was subsequently revised to include the F.E. Pit excavation activities (Permit No. BLDG-2011-01392). Pac States also obtained a Limited Use Permit from the Dublin San Ramon Services District (Services District; No. LCP 11-021) to replace the oil-water separator and upgrade it to meet current building code requirements.

In addition, AMEC filed an excavation notification form with the Bay Area Air Quality Management District on October 11, 2011, and obtained an Industrial Wastewater Discharge Permit from the Services District (No. 11012) to discharge groundwater removed from the sump excavation, to their wastewater treatment plant, a publicly owned treatment works (POTW).

Copies of the permits obtained for the project are included in Appendix B.

4.1.3 Utility Clearance

Prior to beginning the excavation, the anticipated boundaries of the excavations were marked with white paint by Pac States, and Underground Services Alert (USA) was contacted to identify public utilities, if any, that may be in the vicinity of the excavation. Pac States also retained a private underground utility locator, Cruz Brothers, of San Jose, California, to identify below-grade building utilities in the excavation areas.

As required by the Services District in permit LCP 11-021, the drain line that discharged waste water from Crown's automatic car wash to the oil-water separator was disconnected and removed, and the water supply line servicing the car wash, located east of Building B, was cut and capped.

4.1.4 Health and Safety

Field work activities performed by AMEC personnel were conducted in accordance with AMEC's *Environmental Site Health and Safety Plan* (Health and Safety Plan [AMEC, 2011d]). Additionally, Pac States developed and followed a separate health and safety plan for the excavation and construction activities.



During excavation of affected soil, AMEC performed air monitoring of VOCs, carbon monoxide (CO), and benzene, using the following equipment:

- a MultiRAE Plus, photoionization detector (PID) and Five-Gas Detector, to screen the air for the presence of VOCs and CO; and
- a GASTEC GV-110 pump and benzene detector tubes, to screen the air for the presence of benzene.

The air monitoring instruments were calibrated according to the individual instrument specifications at the manufacturer's recommended calibration frequencies.

AMEC personnel performed the air monitoring in the worker breathing zone at approximately 15-minute intervals, or as otherwise specified in the Health and Safety Plan during excavation activities. The measured readings were compared to the action levels listed in the Health and Safety Plan to determine whether respiratory protection or other mitigating measures would be required. The action levels were not exceeded during the excavation activities.

4.2 EXCAVATION AND BACKFILLING ACTIVITIES

The excavation and backfilling activities were performed from October 18 through 28, 2011. The excavation locations are shown on Figures 2 through 6. Soil within each area was screened using a PID during soil removal activities for the presence of VOCs. The excavation sidewalls were also visually observed for the presence of soil discoloration to assist in targeting soil confirmation sample locations and/or collecting additional sidewall samples.

4.2.1 Sump Excavation

Excavation work began in the sump area by removing a small cinder block wall, located adjacent to the sump excavation, and a small, elevated concrete pad that formerly supported a parts washer. After removal of these features, Pac States pumped out a mixture of oil and water from the oil-water separator, as described in Section 5.3. They then broke up and removed the concrete slab and oil-water separator, followed by the removal of the sanitary sewer and car wash lines connected to it. The concrete and cinderblock materials were transported outside the building using a backhoe, where they were placed on plastic sheeting. The sanitary sewer and car wash lines were located and capped along the northern and southern sidewalls of the sump excavation, as described in Section 4.1.3.

Following removal of these materials, the deeper excavation was conducted using a CAT 446D backhoe. The backhoe was positioned so that it could remove the affected soil in slots that were approximately 18 inches wide by 10 feet long, and 16 feet deep. Approximately 3 feet of undisturbed soil or slurry backfill was left between open trenches, in accordance with the excavation design. The excavated soil was placed into a small dump truck, and was transported to a stockpile area located outside the building, as described in Section 4.5.



At the end of each work day, the slot excavations were backfilled with cement slurry, consisting of approximately 32 pounds of Portland cement per cubic yard of sand and water. The slurry mix design specifications are included in Appendix A. The slurry was poured into the trenches directly from a cement truck's chute. The trenches were filled in an approximately simultaneous manner by alternating the filling from one trench to another to avoid putting unnecessary lateral hydraulic pressure on the trench walls. The slurry was placed to approximately 4 inches below the top of the surrounding concrete slab.

On October 21, 2011, two of the previously poured slurry walls (formerly trenches) fell over during excavation activities after Pac States excavated the soil adjacent to them. The failure occurred when Pac States began excavation of a new trench that was perpendicular to these two standing slurry walls. A third wall also caved in while removing the soil and debris that fell into the now wider excavation area.

This resulted in more excavation sidewall exposure than recommended in the excavation design; however, the excavation walls were firm, and no displacement was observed. Pac States therefore completed excavation of the now wider area, and backfilled the entire area with slurry. Cornerstone's engineer was contacted to inspect the area. He arrived the following work day, and after reviewing the information and observing the subsequent trenches, allowed Pac States to increase the width of the trenches to up to 5 feet wide, because the greater thickness of slurry fill would be more stable when further excavation actives occurred next to it, and because the native soil showed no signs of destabilization. The southeastern corner of the sump excavation was left open after completion of excavation and backfilling in the remainder of the sump area. This corner was excavated to approximately 16 feet deep and was left open for approximately three days so that groundwater could be removed, as specified in the Work Plan. Groundwater removal activities are further discussed in Section 4.6.

4.2.2 F.E. Pit Excavation

After the sump excavation was approximately 50 percent complete, Pac States began excavation activities at the F.E. Pit, which was approximately 12 feet by 12 feet by 4 feet deep and filled with pea gravel. Excavation work began with removal of the concrete slab covering the pit, as well as removal of approximately the pea gravel that was located inside the pit, beneath the slab.

Approximately 1 inch of black viscous oil was observed at the bottom of the F.E. Pit; the oil was removed as described in Section 5.3. The oil was located in the center of its concrete floor, which appeared to be intact. Following removal of the oil, the concrete floor was then broken and removed. The concrete materials and pea gravel were transported to the outdoor



stockpile area and were added to the existing concrete stockpile (from the sump) on plastic sheeting.

Following removal of the floor of the F.E. Pit, deeper soil was excavated using the backhoe, according to the modified excavation design verbally communicated by Cornerstone in the field, as described in Section 4.2.1. The concrete walls of the F.E. Pit functioned as shoring for the upper 4 feet of the excavation, and were therefore not removed.

The F.E. Pit excavation trenches were backfilled with slurry in the same manner as the sump excavation. The slurry was placed to approximately 4 inches below the top of the surrounding concrete slab.

4.3 CONFIRMATION SAMPLING

Ten soil confirmation samples and two excavation groundwater samples were collected as excavation activities were completed. Samples were labeled with unique identifiers and the sample collection time, and placed into zip-closure plastic bags. Samples were stored in an ice-chilled cooler pending transport under AMEC chain-of-custody procedures to TestAmerica Laboratories, Inc. (TestAmerica), of Pleasanton, California, a California Department of Public Health-certified analytical laboratory. Two split groundwater samples and one split soil confirmation sample were also collected within the sump excavation, labeled and stored the same manner as the primary samples, and shipped to Friedman & Bruya, Inc. (Freidman & Bruya), of Seattle, Washington, which is also a California Department of Public Health-certified analytical laboratory.

The locations of the soil and excavation groundwater samples collected at the sump and F.E. Pit excavations are shown on Figures 4 and 5, respectively.

4.3.1 Soil Confirmation Samples

Five sidewall soil confirmation samples were collected from the sump excavation. One soil sample each was collected from the north, west, and east sidewalls of the sump excavation. Two soil samples were collected along the south sidewall, within approximately 3 feet of each other, because slightly elevated PID readings were detected at the second location during subsequent excavation activities in this area. The sidewall soil samples were collected at approximately 8 feet bgs (the midpoint depth of the excavation). A soil confirmation sample was not collected from the bottom of the sump excavation due to the presence of groundwater in the excavation, as specified in the Work Plan.

Four sidewall soil confirmation samples were collected from the F.E. Pit excavation. One sidewall soil confirmation sample was collected from each wall of the F.E. Pit excavation at approximately 6 feet bgs (the midpoint depth of of the excavation). One bottom confirmation soil sample was collected from the approximate center of the F.E. Pit excavation, at approximately 12 feet bgs.



Soil confirmation samples were collected from the bucket of the backhoe and placed directly into sample containers after removing approximately 1 to 3 inches of surface soil from the top of the sample collection point in the bucket. Soil samples collected for VOC and gasoline range organics (GRO) analyses were placed into laboratory-supplied volatile organic analysis (VOA) containers, using a new, clean TerraCore[™] sampler for each sample. The VOA containers were supplied by the laboratory with preservatives in accordance with U.S. Environmental Protection Agency (U.S. EPA) Method 5035. Soil confirmation samples collected for diesel range organics (DRO), motor oil range organics (MORO) and/or TPH as Stoddard solvent (TPHss) analyses were placed directly into laboratory-supplied sample jars.

4.3.2 Excavation Groundwater Samples

Groundwater was encountered at approximately 14 feet bgs within the sump excavation. One groundwater sample was collected at the beginning of excavation dewatering and a second sample was collected after completion of excavation dewatering activities. Groundwater samples were collected directly from the sump excavation using a clean, disposal bailer. Groundwater samples were placed into laboratory-supplied containers equipped with preservatives appropriate for the desired analyses.

4.4 LABORATORY ANALYTICAL METHODS

The soil and groundwater samples were analyzed for the following:

- VOCs, including benzene, toluene, ethylbenzene, and xylenes (BTEX, collectively) and naphthalene, using U.S. EPA Method 8260B;
- GRO using U.S. EPA Method 8260B; and/or
- DRO, MORO, and/or TPHss using U.S. EPA Method 8015, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C. In addition, the DRO and MORO water samples were filtered by the laboratory using a 0.7-micron glass-fiber filter prior to analysis.

The water sample collected from the groundwater storage tank was analyzed for Total Toxic Organics (TTO) using U.S. EPA Method 624 and 625, in accordance with the Industrial Wastewater Discharge permit, plus GRO and DRO using the same methods described above.

4.5 SOIL HANDLING AND STOCKPILING

Soil removed from the excavation was placed into a dump truck in order to be transferred to the parking lot south of Building B. Stockpiles were constructed on plastic sheeting and covered with plastic sheeting at the end of each work day.

4.6 EXCAVATION DEWATERING

As discussed above, VOCs are present in shallow groundwater beneath the sump. As an additional remedial measure to remove VOC-affected groundwater, the sump excavation was



advanced to a depth of approximately 16 feet bgs and dewatering was conducted within the sump excavation prior to backfilling.

Groundwater was removed from the sump excavation using an electric submersible pump. The water was pumped to a 20,000-gallon steel storage tank using a 1.5 inch diameter flat discharge hose. The storage tank was temporarily located on-site, south of the Building B.

If water accumulated in an individual trench, it was removed from the trench prior to slurry placement during excavation activities in the sump area. In addition, the southeast quadrant of the sump excavation was left open for approximately three days so that groundwater could accumulate in the excavation and be removed daily. Groundwater removal from the open excavation occurred from October 23 through 25, 2011. Approximately 5,600 gallons of VOC-affected water were removed from the sump excavation prior to backfilling.

No groundwater entered the F.E. Pit excavation; therefore, no dewatering was necessary.

4.7 SITE RESTORATION

Each excavation area was backfilled using slurry at the end of each day of excavation to approximately 4 inches below grade prior to site restoration.

Once excavation and backfilling activities were completed, the excavation was restored by replacing the concrete slab to match existing conditions. Pac States installed No. 3 rebar at approximately 12-inch spacing and then poured concrete to complete the final 4 inches. The concrete was placed flush and level with the surrounding concrete floor and finished to match existing conditions.

The exterior car wash sewer line, which formerly discharged to the oil-water separator sump, was disconnected and removed, and the water supply line servicing the exterior car wash was cut and capped as required by the Sanitary District.

Before completion of the excavation activities, Crown informed AMEC that replacement of the oil-water separator was no longer required. Therefore, the oil-water separator was not replaced, and the sewer line that the former oil-water separator discharged to was capped at the south wall of the sump excavation using a rubber no-hub band cap.

5.0 WASTE CHARACTERIZATION AND DISPOSAL

Waste materials generated during remedial activities included soil, concrete, pea gravel, groundwater, the oil encountered in the bottom of the F.E. Pit, and a mixture of oil and water that was removed from the oil-water separator sump. The characterization and disposal of these wastes are described below.



5.1 SOIL

In-situ analytical laboratory results for soil samples previously collected within the excavation area were used to characterize the soil for disposal. These data were presented to Republic Services, Inc. (Republic), for review and acceptance as Class II, non-hazardous waste. The waste was approved for disposal at Republic's Forward Landfill located in Manteca, California as Class II, Non-Hazardous Waste. A copy of Republic's waste profile approval form (No. 42041110739) is included in Appendix C.

Following completion of the excavation and stockpiling, a total of 432 tons of VOC-affected soil, concrete, and pea gravel had been removed from the sump and F.E. Pit excavations and transported to the Forward Landfill. The soil, concrete, and pea gravel were transported by DenBeste Transportation, Inc., on October 27 and 28, 2011.

5.2 **G**ROUNDWATER

After completion of the excavation activities, a sample of the groundwater that was removed from the excavation was collected from the storage tank, in accordance with the requirements of the Industrial Wastewater Discharge Permit. The groundwater was then discharged to the on-site sanitary sewer after approval from the Sanitary District. A copy of the Sampling and Flow Report submitted to the district for approval, which includes the laboratory analytical results of the sample, is included in Appendix D.

Approximately 5,600 gallons of VOC-affected water were removed from the sump excavation and were discharged to the POTW under Industrial Wastewater Discharge Permit No. 11012 on December 16, 2011.

Additional waste water and residual sediment will be generated during cleaning of the groundwater storage tank (i.e., rinsate), and will be disposed of at an appropriately licensed disposal facility. It is anticipated that the rinsate will be non-hazardous.

5.3 OILS

The oil-water mixture removed from the oil-water separator sump was placed into one 55-gallon drum and temporarily stored on-site. Oil absorbent clay was used to soak up the residual oil encountered at the bottom of the F.E. Pit. After the clay had absorbed the oil, the material was shoveled into two 55-gallon drums that were also temporarily stored on-site. The three drums will be disposed of as hazardous waste at an appropriately licensed disposal facility, pending receipt of a temporary EPA ID number.

6.0 RESULTS

The field observations and laboratory analytical results for the soil and groundwater remediation activities are summarized below. A summary of the analytical laboratory tests performed on the samples collected during remediation activities is presented in Table 1. The



laboratory analytical results for the soil samples collected from the excavation areas and vicinity are shown in Tables 2 and 3; selected results are also posted on Figures 4 and 5. The laboratory analytical results for the groundwater samples collected from the sump excavation and vicinity are shown in Tables 4 and 5; selected results are also posted on Figure 6.

Copies of the laboratory analytical reports and sample chain-of-custody records for the excavation samples are included in Appendix E.

6.1 AIR MONITORING RESULTS

During excavation of affected soil, AMEC performed air monitoring of VOCs, carbon monoxide, and benzene. PID readings were measured approximately 1 to 3 inches from the newly excavated soil in the backhoe bucket, and ranged from 0 to 33 parts per million (ppm). PID readings in the worker breathing zone did not exceed the action level of 15 ppm during excavation activities. The maximum VOC level reached in the worker breathing zone was 13.5 ppm, measured on October 25, 2011, but this level was not sustained for 5 minutes. Therefore, in accordance with the Health and Safety Plan, an upgrade of respiratory protection was not required. No benzene was detected during excavation activities, and carbon monoxide readings were below the action levels established in the Health and Safety Plan.

6.2 CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS

Analytical laboratory results for the confirmation soil samples are discussed in the following sections.

6.2.1 Total Petroleum Hydrocarbons

Confirmation soil sample results for GRO, DRO, and MORO are presented in Table 2; results for DRO and MORO at the F.E. Pit are also shown on Figure 5. Table 2 and Figure 5 also present selected results for soil samples collected in the vicinity of the excavations during prior investigations. A summary of the petroleum hydrocarbon analytical laboratory results that exceeded their respective residential ESL values in the excavation confirmation samples is presented below:

- DRO was detected above the ESL (83 μg/L) in four samples collected from the F.E. Pit (FEPIT-EXS-5-6, FEPIT-EXS-6-6, FEPIT-EXS-9-6, and FEPIT-EXS-10-12) at concentrations ranging from 89 to 1,600 micrograms per kilogram (μg/kg).
- MORO was detected above the ESL (370 μg/kg) in one sample collected from the F.E. Pit (FEPIT-EXS-6-6) at a concentration of 2,300 μg/kg.¹

¹ Although diesel and motor oil range organic compounds (DRO and MORO) were detected above their respective ESLs in several samples, the analytical laboratories indicated that the sample chromatographic patterns did not resemble the diesel or motor oil standards used for quantitation.

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DRO and MORO were not detected above their respective ESLs in confirmation samples collected from the sump excavation. GRO was not detected above the ESL in the confirmation samples from the F.E. Pit or the sump.

The highest concentrations of DRO and MORO were detected in the confirmation sample collected from the southern sidewall of the F.E. Pit excavation, underneath the exterior building wall (i.e., sample FEPIT-EXS-6-6). As shown on Figure 5, and in Table 2, total petroleum hydrocarbons were not detected above their respective ESLs in samples collected within approximately 5 feet of the F.E Pit excavation during previous investigations.

6.2.2 Volatile Organic Compounds

Confirmation soil sample results for VOCs are presented in Table 3; selected results are shown on Figures 4 and 5. Table 3 and Figures 4 and 5 also present selected results for soil samples collected in the vicinity of the excavations during prior investigations. A summary of the VOC analytical laboratory results that exceeded their respective residential ESL values in the excavation confirmation samples is presented below:

- Chlorobenzene was detected slightly above the ESL (1,500 µg/kg) in one sample collected from the sump excavation (SUMP-EXS-2-8) at a concentration of 1,600 µg/kg.
- 1,2-Dichlorobenzene was detected above the ESL (1,100 µg/kg) in four samples collected from the sump excavation (SUMP-EXS-2-8, SUMP-EXS-3-8, SUMP-EXS-4-8, and SUMP-EXS-8-8) at concentrations ranging from 1,500 to 3,300 µg/kg; and in three samples collected from the F.E. Pit excavation (FEPIT-EXS-5-6, FEPIT-EXS-6-6, and FEPIT-EXS-9-6) at concentrations ranging from 2,700 to 71,000 µg/kg.
- 1,3-Dichlorobenzene was detected above the ESL (7,400 micrograms per liter [μg/L]) in one sample collected from the F.E. Pit excavation (FE PIT-EXS-6-6) at a concentration of 10,000 μg/kg,
- 1,4-Dichlorobenzene was detected above the ESL (590 μg/L) in three samples collected from the F.E. pit excavation (FEPIT-EXS-5-6, FEPIT-EXS-6-6, and FEPIT-EXS-9-6) ranging from 1,600 to 43,000 μg/L.

No other VOCs were detected above their respective ESLs in the confirmation samples.

The highest concentrations of VOCs were detected in the F.E. Pit confirmation sample collected from the southern sidewall of the F.E. Pit excavation, underneath the exterior building wall (i.e., sample FEPIT-EXS-6-6). As shown on Figures 4 and 5, and in Table 3, VOCs were not detected above their respective ESLs in samples collected within approximately 5 feet of the sump or F.E Pit excavations during previous investigations.

6.3 SUMP EXCAVATION GROUNDWATER ANALYTICAL RESULTS

Analytical results for the two groundwater samples collected from the sump excavation are discussed in the following sections. The first sample was collected at the start of groundwater



removal activities, and the second sample was collected three days later, upon completion of groundwater removal activities. Split samples of both were submitted to Friedman & Bruya (in addition to the primary samples that were submitted to TestAmerica).

6.3.1 Total Petroleum Hydrocarbons

Sample results for GRO, DRO, and MORO for groundwater present in the sump excavation are presented in Table 4, and are shown on Figure 6. Table 4 and Figure 6 also present the selected results for grab groundwater samples collected in the vicinity of the excavations during prior investigations.

A summary of the GRO, DRO, and MORO analytical laboratory results that exceeded their respective drinking water ESLs in the sump excavation groundwater samples is presented below (the higher of the primary and split sample concentrations is presented):

- GRO was detected above the ESL (100 μ g/L) in the first excavation groundwater sample at 3,900 J² μ g/L, and in the second excavation groundwater sample at 6,200 μ g/L.
- DRO (filtered) was detected above the ESL (100 μ g/L) in the first excavation groundwater sample at 5,200 J μ g/L, and in the second excavation groundwater sample at 5,600 J μ g/L.³

MORO was not detected above the ESL in either excavation groundwater sample.

The analytical laboratories indicated during this and a prior investigation that the chromatograms for the GRO and/or DRO results did not match the standards used; the results may instead represent VOCs quantified in the GRO and DRO range. As a result, most downgradient grab groundwater samples have not been analyzed for GRO and DRO. The extent of VOCs in groundwater is discussed in the following section.

6.3.2 Volatile Organic Compounds

Excavation groundwater sample results for VOCs are presented in Table 5 and selected results are shown on Figure 6. Table 5 and Figure 6 also present results for grab groundwater samples collected in the vicinity of the excavations during prior investigations.

A summary of the VOC analytical laboratory results that exceeded their respective drinking water ESLs in the sump excavation groundwater samples is presented below (the higher of the primary and split sample concentrations is presented).

• Benzene was detected above ESL (1.0 μ g/L) in the first excavation groundwater at 8.2 μ g/L, and in the second excavation groundwater sample at 7.1 μ g/L.

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² J indicates that the analyte was positively identified, but the associated numerical value is the approximate concentration of the analyte in the sample

³ Although gasoline and diesel range organic compounds (GRO and DRO) were detected above their respective ESLs in both samples, the analytical laboratories indicated that the sample chromatographic patterns did not resemble the gasoline or diesel standards used for quantitation.



- Chlorobenzene was detected above the ESL (25 μ g/L) in the first excavation groundwater sample at 2,800 μ g/L, and in the second excavation groundwater sample at 3,000 μ g/L.
- 1,2-Dichlorobenzene was detected above the ESL (10 μg/L) in the first excavation groundwater at 21,000 J μg/L, and in the second excavation groundwater sample at 21,000 μg/L.
- 1,4-Dichlorobenzene was detected above the ESL (5.0 μ g/L) in the first excavation groundwater at 250 μ g/L, and in the second excavation groundwater sample at 130 μ g/L.
- Tetrachloroethene (PCE) was detected in the first excavation groundwater sample at 3.5 μg/L, and in the second excavation groundwater sample collected at 8.9 μg/L. The ESL for PCE is 5.0 μg/L.
- 1,2,4-Trichlorobenzene was detected above the ESL (5.0 μ g/L) in the first excavation groundwater sample at 12 μ g/L, and in the second excavation groundwater sample at 6.6 μ g/L.

No other VOCs were detected above their respective ESLs in either excavation groundwater sample.

As shown on Figure 6 and in Table 5, VOCs were also detected above their respective ESLs in samples collected downgradient of the sump excavation area during previous investigations. However, these concentrations attenuate to less than ESLs within approximately 15 feet of the sump excavation area.

Groundwater was not encountered during the F.E. Pit excavation; therefore, no groundwater samples were collected in October 2011. VOCs were not detected above their respective ESLs in samples collected beneath and in the vicinity of the F.E Pit excavation during previous investigations.

7.0 DATA QUALITY REVIEW

AMEC evaluated the analytical data 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).

Quality assurance procedures for soil and groundwater samples included laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs); and evaluation of the analytical results.

A review of the qualified data is presented below.

• For the soil sample FEPIT-EXS-10-12, the internal standard responses were below acceptable limits, resulting in the reported VOC concentrations being biased high. The sample shows evidence of matrix interference; therefore, the detected VOC results 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.

- For the sump excavation groundwater samples (SUMP-EXB-WATER-1-16 and SUMP-EXB-WATER-2-16) the laboratories indicated that sample chromatographic patterns did not match the standards used for quantitation. The reported concentrations of GRO, DRO, and MORO in the samples 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.
- For the F.E Pit soil samples (FEPIT-EXS-5-6, FEPIT-EXS-6-6, FEPIT-EXS-9-6, and FEPIT-EXB-10-12) the laboratory indicated that sample chromatographic patterns did not match the standards used for quantitation. The reported concentrations of DRO and MORO in the samples were therefore 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.
- For the excavation groundwater sample SUMP-EXB-WATER-2-16, the reported concentration for 1,2-dichlorobenzene was above the valid instrument calibration range. Therefore, the 1,2-dichlorobenzene concentration 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.

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. The data qualifiers are included on the laboratory reports in Appendix E.

8.0 SUMMARY AND CONCLUSIONS

As discussed above, several phases of soil and groundwater investigation work have been performed at the site since 2008. Those investigations identified two areas impacted by VOCs (VOCs were present above residential/drinking water ESLs in soil and groundwater at the sump, and in soil only at the F.E. Pit) and one area potentially impacted by TPH (TPH was detected in soil at the F.E. Pit). The results for soil and groundwater samples collected from these areas showed that the VOC and/or TPH concentrations attenuated rapidly with distance from the sources (i.e., the sump and the F.E. Pit).

A total of 432 tons of VOC- and TPH-affected soil was removed from the sump and F.E. Pit excavations between October 18 through 28, 2011. Some limited amounts of soil where VOCs and TPH were detected above residential ESLs remain, because they are located underneath building walls and were therefore inaccessible for excavation. However, soil samples collected from within 5 feet show that concentrations have attenuated to below residential ESLs (Figures 4 and 5). Overall, the results for the post-excavation soil confirmation samples and the soil samples collected within a few feet of the excavations indicate that most of the VOC and TPH mass has now been removed from these areas.



The source of VOC impacts to groundwater from the sump area (i.e., the VOC-impacted soil above and below the water table) has been removed. Additionally, the potential source of VOC impacts to groundwater in the F.E. Pit area (i.e., the VOC-impacted soil above the water table) has been removed. Approximately 5,600 gallons of VOC-affected groundwater was removed from the sump excavation during the remedial activities, to reduce the mass of VOC-affected groundwater in the immediate vicinity of the sump excavation area.

Grab groundwater samples were previously collected within and downgradient of the sump and F.E. Pit (Figure 6) by AMEC and other consultants. These results indicate that VOC impacts to groundwater in the vicinity of the former sump attenuate to below drinking water ESLs within approximately 15 feet of the former sump.⁴ The VOC impacts to groundwater downgradient of the sump excavation area are expected to decrease over time. VOCs and TPH were not detected above ESLs within or downgradient of the F.E. Pit.

Based on the removal of source material in the vicinity of the sump and F.E. Pit and the limited impact to groundwater near the sump, AMEC recommends that no further remediation activities be conducted in these areas.

It is recognized that residual impacts to soil remain in a currently inaccessible area at the F.E. Pit and that VOCs are present in groundwater near the sump. As such, the potential for VOCs in vapor phase to migrate to indoor air should be considered when considering site re-use or re-development alternatives.

⁴ The PCE detected in groundwater in the vicinity of the sump is likely related to a separate release, upgradient of the sump.

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SAMPLE AND ANALYTICAL MATRIX FOR OCTOBER 2011 SAMPLES¹

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	Sample ID	Sample Date	Sample Depth (feet bgs)	Media	VOCs plus Naphthalene (8260B)	GRO (8260B)	DRO/ MORO (8015B) ²	TPHss (8015B) ²
F.E. Pit Excavation Sidewalls	FEPIT-EXS-5-6	10/24/2011	6.0	Soil	Х	Х	Х	
	FEPIT-EXS-6-6	10/24/2011	6.0	Soil	Х	Х	Х	
	FEPIT-EXS-7-6	10/25/2011	6.0	Soil	Х	Х	Х	
	FEPIT-EXS-9-6	10/26/2011	6.0	Soil	Х	Х	Х	
F.E. Pit Excavation Bottom	FEPIT-EXB-10-12	10/26/2011	12.0	Soil	Х	Х	Х	
Sump Excavation Sidewalls	SUMP-EXS-1-9	10/19/2011	9.0	Soil	Х	Х	Х	
	SUMP-EXS-2-8	10/19/2011	8.0	Soil	Х	Х	Х	
	SUMP-EXS-3-8	10/20/2011	8.0	Soil	Х	Х	Х	
	SUMP-EXS-4-8	10/20/2011	8.0	Soil	Х	Х	Х	
	SUMP-EXS-8-8	10/26/2011	8.0	Soil	Х	Х	Х	Х
Groundwater within Sump	SUMP-EXB-WATER-1-16 ³	10/26/2011	16.0	Groundwater	Х	Х	Х	
Excavation	SUMP-EXB-WATER-2-16 ³	10/28/2011	16.0	Groundwater	Х	Х	Х	

Notes

1. Samples were collected by AMEC Geomatrix, Inc. Soil and groundwater samples were analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, or Friedman & Bruya, Inc., of Seattle, Washington.

2. Samples were analyzed following a silica gel preparation in accordance with U.S. EPA Method 3630C.

3. Duplicate water samples were collected and submitted to both TestAmerica and Friedman & Bruya using the same sample ID.

Abbreviations

-- = analysis not performed

- bgs = below ground surface
- DRO = diesel range organics
- GRO = gasoline range organics

MORO = motor oil range organics

TPHss = total petroleum hydrocarbons quantified as Stoddard solvent U.S. EPA = U.S. Environmental Protection Agency VOCs = volatile organic compounds X = analysis was performed



SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN SOIL¹

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

						roleum Hy	drocarbo	ns
Location	Sample ID	Depth (feet bgs)	Date	GRO	DRO	MORO	TPHho	TPHss
F. E. Pit								
Pre-excavation Boring within	SB-25-8.0	8.0	6/9/2011	< 39	NA	NA	5,000 ³	NA
F.E. Pit Excavation ²	SB-25-12.0	12.0	6/9/2011	NA	NA	NA	< 49	NA
F.E. Pit Excavation Sidewalls	FEPIT-EXS-5-6	6.0	10/24/2011	2.2	110 J ⁴	210 J ⁴	NA	NA
	FEPIT-EXS-6-6	6.0	10/24/2011	4.6	1,600 J ⁴	2,300 J ⁴	NA	NA
	FEPIT-EXS-7-6	6.0	10/25/2011	< 0.22	1.1	< 49	NA	NA
	FEPIT-EXS-9-6	6.0	10/26/2011	0.29	170 J ⁴	340 J ⁴	NA	NA
F.E. Pit Excavation Bottom	FEPIT-EXB-10-12	12.0	10/26/2011	< 0.21	89 J ⁴	170 J ⁴	NA	NA
West of F.E. Pit Excavation	SB-29-4.0	4.0	7/26/2011	< 0.20	51	97	98	NA
	SB-29-8.0	8.0	7/26/2011	< 0.20	< 1.0	< 50	< 50	NA
	SB-29-12.0	12.0	7/26/2011	< 0.19	< 0.99	< 50	< 50	NA
East of F.E. Pit Excavation	SB-30-4.0	4.0	7/26/2011	< 0.20	2.9	< 50	< 50	NA
	SB-30-8.0	8.0	7/26/2011	< 0.18	< 0.99	< 49	< 49	NA
	SB-30-12.0	12.0	7/26/2011	< 0.20	< 1.0	< 50	< 50	NA
South of F.E. Pit Excavation	SB-32-3.0	3.0	7/26/2011	< 0.23	2.1	< 50	< 50	NA
	SB-32-8.0	8.0	7/26/2011	< 0.19	< 0.99	< 50	< 50	NA
	SB-32-12.0	12.0	7/26/2011	< 0.20	< 1.0	< 50	< 50	NA
Southwest of F.E. Pit	SB-04-3.0	3.0	9/27/2010	< 0.16	2.6	< 50	NA	NA
Excavation	SB-04-7.0	7.0	9/27/2010	< 0.20	< 0.99	< 50	NA	NA
	SB-04-8.5	8.5	9/27/2010	< 0.19	< 0.99	< 49	NA	NA
	SB-04-12.0	12.0	9/27/2010	< 0.20	< 1.0	< 50	NA	NA
North of F.E. Pit Excavation ⁵	NM-B-5-2.0	2.0	12/16/2010	< 0.93	< 1.0	< 1.0 ⁶	NA	NA
	NM-B-5-5.0	5.0	12/16/2010	< 0.93	< 1.0	< 1.0 ⁶	NA	NA
North of F.E. Pit Excavation ⁵	B7-4.0	4.0	2/24/2009	< 1	33	180	NA	< 1.0
Sump								
Pre-excavation Boring within	SB-03-1.3	1.3	9/28/2010	< 0.19	NA	NA	NA	NA
Sump Excavation ²	SB-03-2.8	2.8	9/28/2010	< 22	NA	NA	NA	NA
	SB-03-3.2	3.2	9/28/2010	1,200 ⁷	NA	NA	NA	NA
	SB-03-6.5	6.5	9/28/2010	< 20	NA	NA	NA	NA
	SB-03-11.5	11.5	9/28/2010	< 22	NA	NA	NA	NA
Pre-excavation Boring within	NM-B-6-3.5	3.5	12/6/2010	1,000	NA	NA	NA	NA
Sump Excavation ^{2,5}	NM-B-6-4.5	4.5	12/6/2010	9.6	NA	NA	NA	NA
	NM-B-6-7.0	7.0	12/6/2010	2.2	NA	NA	NA	NA
Sump Excavation Sidewalls	SUMP-EXS-1-9	9.0	10/19/2011	< 0.21	< 0.99	< 50	NA	NA
	SUMP-EXS-2-8	8.0	10/19/2011	< 0.25	< 1.0	< 50	NA	NA
	SUMP-EXS-3-8	8.0	10/20/2011	< 0.21	< 0.99	< 49	NA	NA
	SUMP-EXS-4-8	8.0	10/20/2011	1.2	1.2	< 49	NA	NA
	SUMP-EXS-8-8 8	8.0	10/26/2011	< 2	< 5	< 25	NA	< 5
North of Sump Excavation	SB-14-4.0	4.0	6/7/2011	0.3	NA	NA	NA	NA
	SB-14-8.0	8.0	6/7/2011	< 0.20	NA	NA	NA	NA
	SB-14-11.0	11.0	6/7/2011	< 0.20	NA	NA	NA	NA
	SB-14-12.0	12.0	6/7/2011	< 0.20	NA	NA	NA	NA
East of Sump Excavation	SB-18-4.0	4.0	6/7/2011	< 0.29	NA	NA	NA	NA
	SB-18-8.0	8.0	6/7/2011	< 0.20	NA	NA	NA	NA
	SB-18-12.0	12.0	6/7/2011	< 0.21	NA	NA	NA	NA

Concentrations reported in milligrams per kilogram (mg/kg)



SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN SOIL¹

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

	Commis	Danáh			Total Petr	oleum Hy	/drocarbo	ns
Location	Sample ID	Depth (feet bgs)	Date	GRO	DRO	MORO	TPHho	TPHss
West of Sump Excavation	SB-22-4.0	4.0	6/8/2011	< 0.25	NA	NA	NA	NA
	SB-22-9.0	9.0	6/8/2011	< 0.19	NA	NA	NA	NA
	SB-22-12.0	12.0	6/8/2011	< 0.32	NA	NA	NA	NA
South of Sump Excavation ⁵	B8-4.0	4.0	2/24/2009	< 1.0	1.3	< 5.0	NA	< 1.0
Southeast of Sump Excavation	SB-19-4.0	4.0	6/7/2011	< 0.21	NA	NA	NA	NA
	SB-19-8.0	8.0	6/9/2011	< 0.22	NA	NA	NA	NA
	SB-19-11.0	11.0	6/9/2011	< 0.27	NA	NA	NA	NA
	SB-19-13.0	13.0	6/9/2011	< 0.29	NA	NA	NA	NA
Environmental Screening Level (re	esidential land use) ⁹)		83	83	370	370	83

Concentrations reported in milligrams per kilogram (mg/kg)

Notes

- Except as noted, samples were collected by AMEC Geomatrix, Inc. Soil samples were analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, or by Friedman & Bruya, Inc., of Seattle, Washington. Samples were analyzed for GRO by TestAmerica using U.S. EPA Method 8260B, or by Friedman & Bruya using U.S. EPA Method 8015M; and for DRO, MORO, TPHho, and TPHss using U.S. EPA Method 8015B or 8015M, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C.
- 2. Soil in the vicinity of this sample location was removed during excavation activities and the data is shown with a gray background.
- 3. Results shown in **bold** exceed their respective Environmental Screening Levels.
- 4. AMEC requested that the laboratory review the chromatograms of samples that exceeded environmental screening levels to determine if they matched the DRO and MORO standard chromatograms used for quantitation. The laboratory indicated that they did not match the standards; therefore, the concentrations were qualified with "J."
- 5. Samples at this location were collected by Basics Environmental or Ninyo & Moore. Analytical methods are presented in their reports.
- 6. The analytical laboratory reported as oil range organics, which has the same carbon range as MORO.
- 7. The laboratory indicated that the spectra for sample SB-03-3.2 does not resemble the pattern for the laboratory's fresh gasoline standard. The GRO value reported is likely due to the presence of non-gasoline VOCs in the sample.
- 8. The sample at this location was analyzed by Friedman & Bruya, Inc., of Seattle, Washington.
- California Regional Water Quality Control Board, San Francisco Region, 2007, 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), November, revised May 2008.

Abbreviations

- < = not detected at or above the laboratory reporting limit shown
- bgs = below ground surface
- DRO = diesel range organics
- GRO = gasoline range organics
- J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample

MORO = motor oil range organics

- NA = not analyzed
- TPH = total petroleum hydrocarbons
- TPHho = total petroleum hydrocarbons quantified as hydraulic oil
- TPHss = total petroleum hydrocarbons quantified as Stoddard solvent
- U.S. EPA = U.S. Environmental Protection Agency

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL¹

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

				/ // \
Concentrations	reported in	micrograms	per kilogram	(µg/kg)

	-			-	-			neonnaion		imorograme	s per kilograr	n (µg/ng/						-	-			
Location	Sample ID	Depth (feet bgs)	Date	Acetone	Benzene	Bromo- benzene	Chloro- benzene	Ethyl- benzene	2-Chloro- toluene	1,2- Dichloro- benzene	1,3- Dichloro- benzene	1,4- Dichloro- benzene	Total Xylenes	Trichloro- ethene	n-Butyl- benzene	sec-Butyl- benzene	Naph- thalene	1,2,4- Trichloro- benzene	1,2,4- Trimethyl- benzene	1,3,5- Trimethyl- benzene	cis-1,2- Dichloro- ethene	All Other VOCs Analyzed
F. E. Pit		(,									
	SB-25-8.0		6/9/2011	. 7700	. 770	. 770	. 770	. 770	2 1 0 0	3	5 200	20,000	. 1 500	. 770	. 770	. 770	. 770	. 1 500	. 770	. 770	. 770	ND
Pre-excavation Boring within		8.0 12.0		< 7700	< 770	< 770	< 770	< 770	2,100	34,000 ³	5,300	20,000	< 1,500	< 770	< 770	< 770	< 770	< 1,500	< 770	< 770	< 770	ND
F.E. Pit Excavation ²	SB-25-12.0	-	6/9/2011	< 40	< 4.0	< 4.0	NA	< 4.0	10	690	47	200	< 8.1	< 4.0	< 4.0	< 4.0	< 4.0	< 8.1	< 4.0	< 4.0	< 4.0	
F.E. Pit Excavation Sidewalls	FEPIT-EXS-5-6	6.0	10/24/2011	< 43	< 4.3	44	23	< 4.3	200	2,700	<440	1,600	< 8.6	< 4.3	< 4.3	< 4.3	<8.6	< 4.3	8.6	< 4.3	< 4.3	ND
	FEPIT-EXS-6-6	6.0	10/24/2011	< 49	< 4.9	43	26	< 4.9	330	71,000	10,000	43,000	17	< 4.9	7.3	< 4.9	44	16	47	8.5	< 4.9	ND
	FEPIT-EXS-7-6	6.0	10/25/2011	< 43	< 4.3	< 4.3	5.6	< 4.3	17	< 4.9	< 4.9	< 4.9	< 8.6	< 4.3	< 4.3	< 4.3	<8.6	< 4.3	< 4.3	< 4.3	< 4.3	ND
	FEPIT-EXS-9-6	6.0	10/26/2011	< 45	< 4.5	35	42	< 4.5	160	6,400	230	4,000	12	< 4.5	< 4.5	< 4.5	< 8.9	< 4.5	< 4.5	< 4.5	6.1	ND
F.E. Pit Excavation Bottom	FEPIT-EXB-10-12	12.0	10/26/2011	< 43	< 4.3	4.3 J	10 J	< 4.3	17 J	170 J	20 J	110 J	< 8.6	6.8 J	< 4.3	< 4.3	< 8.6	< 4.3	< 4.3	< 4.3	5.6 J	ND
West of F.E. Pit Excavation	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	< 7.9	< 3.9	< 3.9	< 3.9	< 7.9	< 3.9	< 3.9	< 3.9	< 3.9	ND
	SB-29-8.0	8.0	7/26/2011	< 39	< 3.9	4.8	4.7	< 3.9	19	240	32	160	< 7.9	< 3.9	< 3.9	< 3.9	< 7.9	< 3.9	< 3.9	< 3.9	< 3.9	ND
	SB-29-12.0	12.0	7/26/2011	< 38	< 3.8	< 3.8	< 3.8	< 3.8	8.2	220	25	120	< 7.7	< 3.8	< 3.8	< 3.8	7.7	< 3.8	< 3.8	< 3.8	< 3.8	ND
East of F.E. Pit Excavation	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	< 8.0	< 4.0	< 4.0	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 4.0	ND
	SB-30-8.0	8.0	7/26/2011	< 36	< 3.6	< 3.6	< 3.6	< 3.6	9.8	110	18	74	< 7.2	< 3.6	< 3.6	< 3.6	< 7.2	< 3.6	< 3.6	< 3.6	< 3.6	ND
	SB-30-12.0	12.0	7/26/2011	< 39	< 3.9	< 3.9	< 3.9	< 3.9	< 3.9	26	3.9	19	< 7.9	< 3.9	< 3.9	< 3.9	< 7.9	< 3.9	< 3.9	< 3.9	< 3.9	ND
South of F.E. Pit Excavation	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	< 9.0	< 4.5	< 4.5	< 4.5	< 9.0	< 4.5	< 4.5	< 4.5	< 4.5	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	< 7.7	< 3.9	< 3.9	< 3.9	< 7.7	< 3.9	< 3.9	< 3.9	< 3.9	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	< 7.8	< 3.9	< 3.9	< 3.9	< 7.8	< 3.9	< 3.9	< 3.9	< 3.9	ND
Southwest of F.E. Pit	SB-04-3.0	3.0	9/27/2010	NA	< 3.3	NA	NA	< 3.3	NA	NA	NA	NA	< 6.5	NA	NA	NA	< 5.0	NA	NA	NA	NA	ND
Excavation	SB-04-7.0	7.0	9/27/2010	NA	< 4.0	NA	NA	< 4.0	NA	NA	NA	NA	< 7.9	NA	NA	NA	NA	NA	NA	NA	NA	ND
	SB-04-8.5	8.5	9/27/2010	NA	< 3.9	NA	NA	< 3.9	NA	NA	NA	NA	< 7.8	NA	NA	NA	NA	NA	NA	NA	NA	ND
	SB-04-12.0	12.0	9/27/2010	NA	< 4.0	NA	NA	< 4.0	NA	NA	NA	NA	< 7.9	NA	NA	NA	< 5.0	NA	NA	NA	NA	ND
North of F.E. Pit Excavation ⁴	NM-B-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	< 9.8	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	ND
	NM-B-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	< 9.8	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	< 4.9	ND
North of F.E. Pit Excavation ⁴	B7-4.0	4.0	2/24/2009	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	ND
Sump			1																		·	·
Pre-excavation Boring within	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	< 7.6	< 3.8	< 3.8	< 3.8	< 7.6	< 3.8	< 3.8	< 3.8	< 3.8	ND
Sump Excavation ²	SB-03-2.8	2.8	9/28/2010	< 4,400	< 440	<440	2,600 ²	< 440	< 440	< 440	< 440	< 440	< 890	< 440	< 440	< 440	< 890	< 440	< 440	< 440	< 440	ND
Sump Excavation	SB-03-3.2	3.2	9/28/2010	< 52,000	< 5,200	< 5,200	90,000	< 5,200	< 5,200	< 5,200	< 5,200	5,400	< 10,000	< 5,200	< 5,200	< 5,200	< 10,000	< 5,200	< 5,200	< 5,200	< 5,200	ND
	SB-03-6.5	6.5	9/28/2010	< 4,000	< 400	<400	26,000	< 440	< 400	30,000	< 400	1,700	< 800	< 400	< 400	< 400	< 800	< 400	< 400	< 400	< 400	ND
	SB-03-11.5	11.5	9/28/2010	< 4,400	< 440	<440	6,500	< 440	< 440	15,000	< 440	< 440	< 880	< 440	< 440	< 440	< 880	< 440	< 440	< 440	< 440	ND
Pre-excavation Boring within	NM-B-6-3.5	3.5	12/16/2010	< 390	< 390	< 390	1,900	< 390	< 390	< 390	< 390	890	< 780	< 390	950	1,200	< 390	< 390	< 390	< 390	< 390	ND
Sump Excavation ^{2,4}	NM-B-6-4.5	4.5	12/16/2010	< 310	590	< 310	25,000	< 310	< 310	< 310	< 310	580	< 620	< 310	< 310	< 310	< 310	< 310	< 310	< 310	< 310	ND
Sump Excavation	NM-B-6-7.0	7.0	12/16/2010	< 340	< 340	< 340	19,000	< 340	< 340	22,000	< 340	1,000	< 680	< 340	< 340	< 340	< 340	< 340	< 340	< 340	< 340	ND
Sump Excavation Sidewalls	SUMP-EXS-1-9	9.0	10/19/2011	< 41	< 4.1	< 4.1	1,300	< 4.1	< 4.1	910	< 4.1	28	< 8.3	< 4.1	< 4.1	< 4.1	< 8.3	< 4.1	< 4.1	< 4.1	< 4.1	ND
	SUMP-EXS-2-8	8.0	10/19/2011	< 49	< 4.9	< 4.9	1,600	< 4.9	< 4.9	2,700	< 4.9	44	< 9.9	< 4.9	< 4.9	< 4.9	< 9.9	< 4.9	< 4.9	< 4.9	< 4.9	ND
	SUMP-EXS-3-8	8.0	10/20/2011	< 42	< 4.2	< 4.2	18	< 4.2	< 4.2	1,500	< 4.2	18	< 8.4	< 4.2	< 4.2	< 4.2	< 8.4	< 4.2	< 4.2	< 4.2	< 4.2	ND
	SUMP-EXS-4-8	8.0	10/20/2011	< 46	< 4.6	< 4.6	1,400	< 4.6	< 4.6	2,500	< 4.6	48	< 9.3	< 4.6	< 4.6	< 4.6	< 9.3	< 4.6	< 4.6	< 4.6	< 4.6	ND
	SUMP-EXS-8-8 ⁵	8.0	10/26/2011	< 500	< 30	< 50	1,100	< 50	< 50	3,300	< 50	< 50	150	< 30	NA	< 50	< 50	< 250	< 50	< 50	< 50	ND
North of Sump Excavation	SUMP-EX5-6-6 SB-14-4.0	4.0	6/7/2011	68	10	< 4.4	1,100	< 4.4	< 4.4	140	< 4.4	< 4.4	< 8.8	< 4.4	< 4.4	< 4.4	< 8.8	< 4.4	< 4.4	< 4.4	< 4.4	ND
	SB-14-4.0 SB-14-8.0	8.0	6/7/2011	< 40	< 4.0	< 4.0	220	< 4.0	< 4.0	140	< 4.0	5.3	< 7.9	< 4.0	< 4.0	< 4.0	< 7.9	< 4.0	< 4.0	< 4.0	< 4.0	ND
	SB-14-0.0 SB-14-11.0	11.0	6/7/2011	< 39	< 3.9	< 3.9	150	< 3.9	< 3.9	100	< 3.9	< 3.9	< 7.9	< 3.9	< 3.9	< 3.9	< 7.9	< 3.9	< 3.9	< 3.9	< 3.9	ND
	SB-14-11.0	12.0	6/7/2011	< 41	< 4.1	< 4.1	120	< 4.1	< 4.1	65	< 4.1	< 4.1	< 8.2	< 4.1	< 4.1	< 4.1	< 8.2	< 4.1	< 4.1	< 4.1	< 4.1	ND
East of Sump Excavation	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	< 12	< 5.9	< 5.9	< 5.9	< 12	< 5.9	< 5.9	< 5.9	< 5.9	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	< 8.0	< 4.0	< 4.0	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 4.0	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	< 8.4	< 4.2	< 4.2	< 4.2	< 8.4	< 4.2	< 4.2	< 4.2	< 4.2	ND
West of Sump Excavation ⁴	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	< 9.9	< 4.9	< 4.9	< 4.9	< 9.9	< 4.9	< 4.9	< 4.9	< 4.9	ND
West of Sump Excavation	SB-22-9.0	9.0	6/8/2011	< 38	< 3.8	< 3.8	200	< 3.8	< 3.8	69	< 3.8	< 3.8	< 7.7	< 3.8	< 3.8	< 3.8	< 7.7	< 3.8	< 3.8	< 3.8	< 3.8	ND
	SB-22-12.0	12.0	6/8/2011	< 63	< 6.3	< 6.3	310	< 6.3	< 6.3	110	< 6.3	< 6.3	< 13	< 6.3	< 6.3	< 6.3	< 13	< 6.3	< 6.3	< 6.3	< 6.3	ND
	00 22 12.0	12.0	0/0/2011	× 00	× 0.0	× 0.0	010	× 0.0	× 0.0	110	× 0.0	× 0.0	~ 10	× 0.0	× 0.0	× 0.0	~ 10	× 0.0	× 0.0	× 0.0	× 0.0	



SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL¹

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

O	ways and a strike		and the second	
Concentrations	reported in	micrograms	per kilogra	m (µq/kq)

Location	Sample ID	Depth (feet bgs)	Date	Acetone	Benzene	Bromo- benzene	Chloro- benzene	Ethyl- benzene	2-Chloro- toluene	1,2- Dichloro- benzene	1,3- Dichloro- benzene	1,4- Dichloro- benzene			n-Butyl- benzene	sec-Butyl- benzene	Naph- thalene	1,2,4- Trichloro- benzene	1,2,4- Trimethyl- benzene	1,3,5- Trimethyl- benzene	cis-1,2- Dichloro- ethene	All Other VOCs Analyzed
South of Sump Excavation ⁴	B8-4.0	4.0	2/24/2009	< 50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	ND
Southeast of Sump	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	< 8.4	< 4.2	< 4.2	< 4.2	< 8.4	< 4.2	< 4.2	< 4.2	< 4.2	ND
Excavation	SB-19-8.0	8.0	6/9/2011	< 43	< 4.3	< 4.3	110	< 4.3	< 4.3	98	< 4.3	< 4.3	< 8.7	< 4.3	< 4.3	< 4.3	< 8.7	< 4.3	< 4.3	< 4.3	< 4.3	ND
	SB-19-11.0	11.0	6/9/2011	< 53	< 5.3	< 5.3	29	< 5.3	< 5.3	12	< 5.3	< 5.3	< 11	< 5.3	< 5.3	< 5.3	< 11	< 5.3	< 5.3	< 5.3	< 5.3	ND
	SB-19-13.0	13.0	6/9/2011	< 58	< 5.8	< 5.8	21	< 5.8	< 5.8	< 5.8	< 5.8	< 5.8	< 12	< 5.8	< 5.8	< 5.8	< 12	< 5.8	< 5.8	< 5.8	< 5.8	ND
Environmental Screening Level (r	esidential land use)	6		500	44	NL	1,500	2,300	NL	1,100	7,400	590	2,300	460	NL	NL	1,300	1,500	NL	NL	190	

Notes

1. Except as noted, samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, using U.S. EPA Method 8260B, or by Friedman & Bruya, Inc., of Seattle, Washington, using U.S. EPA Method 8260C. Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.

2. Soil in the vicinity of this sample location was removed during excavation activities and the data is shown with a gray background.

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

4. Samples at this location were collected by Basics Environmental or Ninyo & Moore. Analytical methods are presented in their reports.

5. Sample at this location was analyzed by Friedman & Bruya, Inc., of Seattle, Washington.

6. California Regional Water Quality Control Board, San Francisco Region, 2007, 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), November, revised May 2008.

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 ND = not detected at or above the respective laboratory reporting limits U.S. EPA = U.S. Environmental Protection Agency VOCs = volatile organic compounds





SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER ¹

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

Concentrations reported in micrograms per liter (µg/L)

					Tot	tal Petroleum	Hydrocarbo	ns		
	Sample			DRO	DRO	MORO	MORO	TPHho	TPHho	TPHss
Location	ID	Date	GRO	(unfiltered)	(filtered) ²	(unfiltered)	(filtered) ²	(unfiltered)	(filtered) ²	(filtered)
F. E. Pit										
Beneath F.E. Pit	SB-25	6/9/2011	NA	NA	NA	NA	NA	< 520 ³	< 520 ³	NA
Southeast of F.E. Pit	SB-31	7/26/2011	< 50	< 52	< 51	60 J	< 100	< 520 ³	< 510 ³	NA
North of F.E. Pit ⁴	NM-B-5	12/16/2010	< 50	< 50	NA	< 50	NA	NA	NA	NA
North Wall of F.E. Pit	B7	2/24/2009	< 50	NA	NA	NA	NA	NA	NA	< 50
Excavation ⁴										
Southeast of F.E. Pit ⁴	NM-B-13	8/10/2011	NA	NA	NA	NA	NA	< 200	NA	NA
South of F.E. Pit ⁴	B9	2/25/2009	< 50	NA	NA	NA	NA	NA	NA	< 50
Sump				-	-					
Groundwater within Sump	SUMP-EXB-WATER-1-16	10/26/2011	< 25,000	NA	2,200 J ^{5,6}	NA	< 120	NA	NA	NA
Excavation	SUMP-EXB-WATER-1-16 ⁷	10/26/2011	3,900 J ⁶	NA	5,200 J ⁶	NA	< 50	NA	NA	NA
	SUMP-EXB-WATER-2-16	10/28/2011	< 100,000	NA	6,200 J ⁶	NA	< 110	NA	NA	NA
	SUMP-EXB-WATER-2-16 ⁷	10/28/2011	4,900 J ⁶	NA	5,600 J ⁶	NA	64 J	NA	NA	NA
Within Sump Excavation	SB-03	9/28/2010	< 50	NA	NA	NA	NA	NA	NA	NA
Within Sump Excavation ⁴	NM-B-6	12/16/2010	1,100	NA	NA	NA	NA	NA	NA	NA
East of Sump Excavation	SB-18	6/8/2011	NA	NA	NA	NA	NA	NA	NA	NA
South of Sump Excavation ⁴	B8	2/24/2009	550	NA	NA	NA	NA	NA	NA	170
East of Sump Excavation ⁴	NM-B-7	8/12/2011	NA	NA	NA	NA	NA	< 200	NA	NA
East of Sump Excavation ⁴	NM-B-9	8/12/2011	NA	NA	NA	NA	NA	< 200	NA	NA
Southeast of Sump	SB-13-GW-2	5/16/2011	< 50	< 120	NA	< 250	NA	NA	NA	NA
Excavation	SB-13-GW-3	5/16/2011	< 50	< 50	< 50	< 99	< 99	NA	NA	NA
Southeast of Sump	B10	2/24/2009	< 50	NA	NA	NA	NA	NA	NA	< 50
Excavation ⁴										
Environmental Screening Level (100	100	100	100	100	100	100	100
current drinking water resource) ⁸	3		100	100	100	100	100	100	100	100



SUMMARY OF TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER¹

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

Notes Notes

- 1. Samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, or Friedman & Bruya, Inc., of Seattle, Washington. Samples were analyzed for GRO by TestAmerica using U.S. EPA Method 8260B, or by Friedman & Bruya using U.S. EPA Method 8015M; and for DRO and MORO using U.S. EPA Method 8015B or 8015M, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C.
- 2. Extra sample volume for samples for DRO and MORO analyses was filtered at the laboratory prior to analysis using a 0.7-micron glass fiber filter.
- The laboratory reporting limits for all TPHho analyses (i.e., from 510 to 520 µg/L) exceed the ESL of 100 µg/L. However, the method detection limit for TPHho analyses was 38 µg/L; TPHho was not detected at or above the method detection limit.
- 4. Samples at this location were collected by Basics Environemtal or Ninyo & Moore. Analytical methods are presented in their reports.
- 5. Results shown in **bold** exceed their respective Environmental Screening Levels.
- 6. AMEC requested that the laboratory review the chromatograms of samples that exceeded environmental screening levels to determine if they matched the GRO, DRO, and MORO standard chromatograms used for quantitation. The laboratory indicated that they did not match the standards; therefore, the concentrations were qualified with "J."
- 7. A duplicate sample was collected at this location and was analyzed by Friedman & Bruya of Seattle, Washington.
- 8. California Regional Water Quality Control Board, San Francisco Region, 2007, 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), November, revised May 2008.

Abbreviations

- < = not detected at or above the laboratory reporting limit shown
- DRO = diesel range organics
- ESL = Environmental Screening Level
- GRO = gasoline range organics
- J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample

MORO = motor oil range organics NA = not analyzed TPHho = total petroleum hydrocarbons quantified as hydraulic oil TPHss = total petroleum hydrocarbons quantified as Stoddard solvent U.S. EPA = U.S. Environmental Protection Agency

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER¹

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

Concentrations reported in microarams per liter (ug/L)

Location	Sample ID	Date	Acetone	Benzene	Chloro- benzene	1,2- Dichloro-	1,3- Dichloro- benzene			cis-1,2-	MTBE	Naph- thalene	PCE	Toluene	TCE		1,2,4- Trimethyl- benzene	1,3,5- Trimethyl- benzene	n-Propyl- benzene	Total Xylenes	All Other VOCs Analyzed
F. E. Pit																					
Beneath F.E. Pit	SB-25	6/9/2011	< 50 UJ	< 0.50	< 0.50	6.6	0.81	3.7	< 0.50	< 0.50	< 0.50	< 1.0	0.62	< 0.50	< 0.50	< 1.0	< 0.5	< 0.50	< 1.0	< 1.0	ND
Southeast of F.E. Pit	SB-31	7/26/2011	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 1.0	< 1.0	ND
North of F.E. Pit ²	NM-B-5	12/16/2010	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.5	1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	ND
North of F.E. Pit ²	B7	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	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND
Southeast of F.E. Pit ²	NM-B-13	8/10/2011	NA	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	NA	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	ND
South of F.E. Pit ²	B9	2/25/2009	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.94	< 0.5	< 0.5	0.84	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND
Sump			-	-		-	-	-	-			-	-		-		-				
Groundwater within Sump	SUMP-EXB-WATER-1-16	10/26/2011	< 500	8.2 ³	2,800	18,000	7.6	250	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	12	24	8.3	< 10	< 10	ND
Excavation	SUMP-EXB-WATER-1-16 4	10/26/2011	10	7.0	2,400	21,000 J	6.8	240	< 1.0	< 1.0	< 1.0	1.7	3.5	< 1.0	< 1.0	12	23	8.0	3.1	< 2	ND 5
	SUMP-EXB-WATER-2-16	10/28/2011	< 50	6.3	3,000	21,000	4.5	130	< 0.50	< 0.50	< 0.50	<1.0	6.5	0.58	< 0.50	6.6	8.3	3.7	1.5	1.8	ND
	SUMP-EXB-WATER-2-16 ⁴	10/28/2011	10	7.1	2,100	11,000	4.0	130	< 1.0	< 1.0	< 1.0	< 1.0	8.9	< 1.0	< 1.0	5.1	9.1	3.3	1.3	< 2	ND
Within Sump Excavation	SB-03	9/28/2010	< 50	1.5	85	42	< 0.50	1.3	< 0.50	1.3	< 0.50	< 1.0	3.2	< 0.50	0.96	< 1.0	< 0.5	< 0.50	0	< 1.0	ND
Within Sump Excavation ²	NM-B-6	12/16/2010	NA	12	620	350	< 1.0	11	< 1.0	2.2	< 1.0	< 1.0	3.5	< 1.0	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	ND
East of Sump Excavation	SB-18	6/8/2011	< 50 UJ	2.1	320	650	< 0.5	15	< 0.5	1.2	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 1.0	< 0.5	< 0.5	< 1.0	< 1.0	ND
South of Sump Excavation	B8	2/24/2009	< 100	2.9	370	140	< 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	< 5.0	ND
East of Sump Excavation ²	NM-B-7	8/12/2011	NA	< 0.50	< 0.50	1.1	< 0.50	< 0.50	< 0.50	0.90	NA	< 0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	ND
East of Sump Excavation ²	NM-B-9	8/12/2011	NA	< 0.50	< 0.50	0.92	< 0.50	< 0.50	< 0.50	0.97	NA	< 0.5	0.87	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	ND
Southeast of Sump	SB-13-GW-2	5/16/2011	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 1.0	< 1.0	ND
Excavation	SB-13-GW-3	5/16/2011	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 0.50	< 1.0	< 0.50	< 0.50	< 1.0	< 1.0	ND
Southeast of Sump Excavation ²	B10	2/24/2009	< 10	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.9	0.58	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	ND
Environmental Screening Leve current drinking water resource			1,500	1.0	25	10	65	5.0	5.0	6.0	5.0	17	5.0	40	5.0	5.0	NL	NL	NL	20	

Notes

1. Except as noted, samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, using U.S. EPA Method 8260B, or by Friedman & Bruya, Inc., of Seattle, Washington, using U.S. EPA Method 8260C. Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.

2. Samples at this location were collected by Basics Environemtal or Ninyo & Moore. Analytical methods are presented in their reports.

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

4. A duplicate sample was collected at this location and was analyzed by Friedman & Bruya of Seattle, Washington.

5. The following VOCs were also detected in sample SUMP-EXB-WATER-1-16: p-Isopropyltoluene at 2.3 µg/L, sec-Butylbenzene at 1.9 µg/L, and 1,2,3- Trichlorobenzene at 1.5 µg/L.

6. California Regional Water Quality Control Board, San Francisco Region, 2007, 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), November, revised May 2008.

Abbreviations

< = not detected at or above the laboratory reporting limit shown

-- = not applicable

DCE = dichloroethene

J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample

MTBE = methyl tertiary butyl ether

NA = not analyzed

ND = not detected at or above the respective laboratory reporting limits PCE = tetrachloroethene

TCE = trichloroethene

U.S. EPA = U.S. Environmental Protection Agency

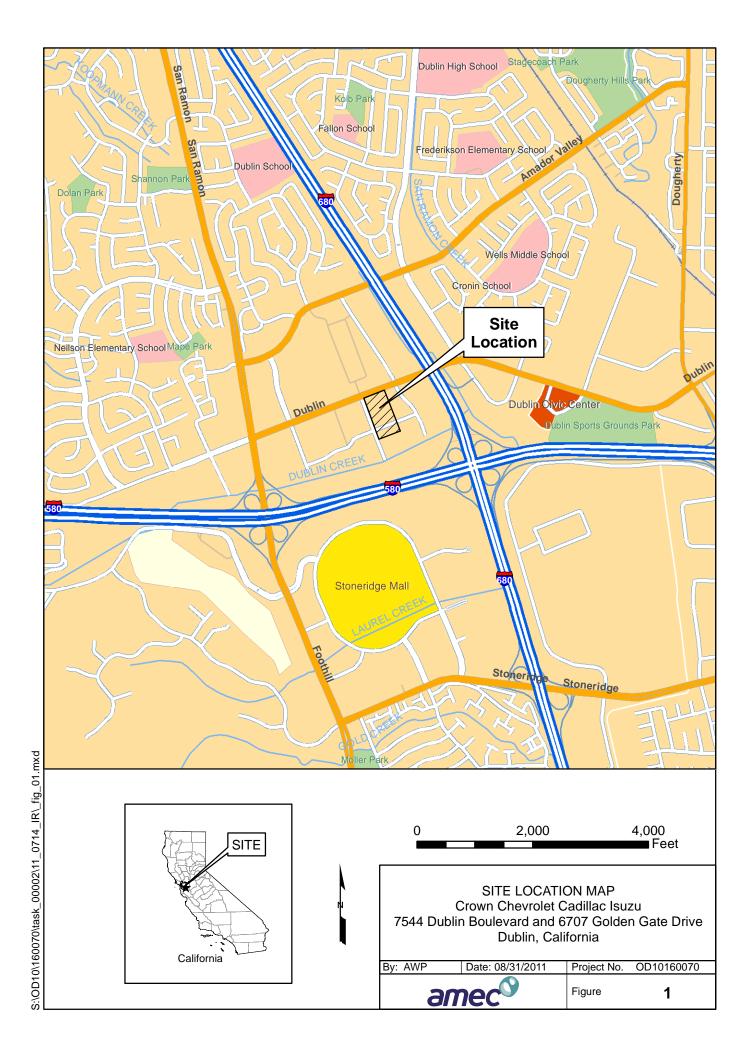
UJ = the analyte was not detected at a level greater than or equal to the quantitation limit shown; the quantitation limit is approximate and may be inaccurate or imprecise.

VOCs= volatile organic compounds

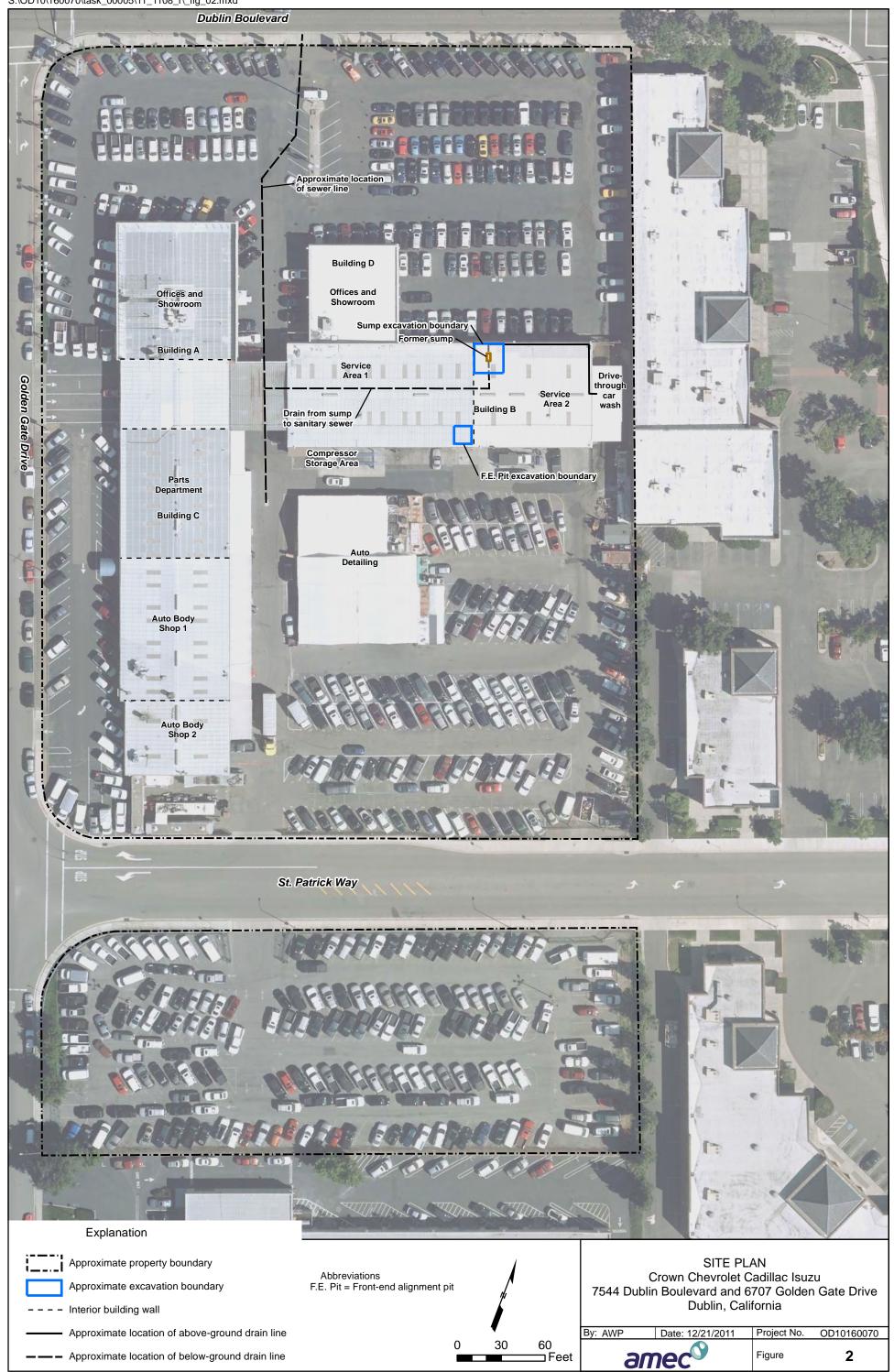


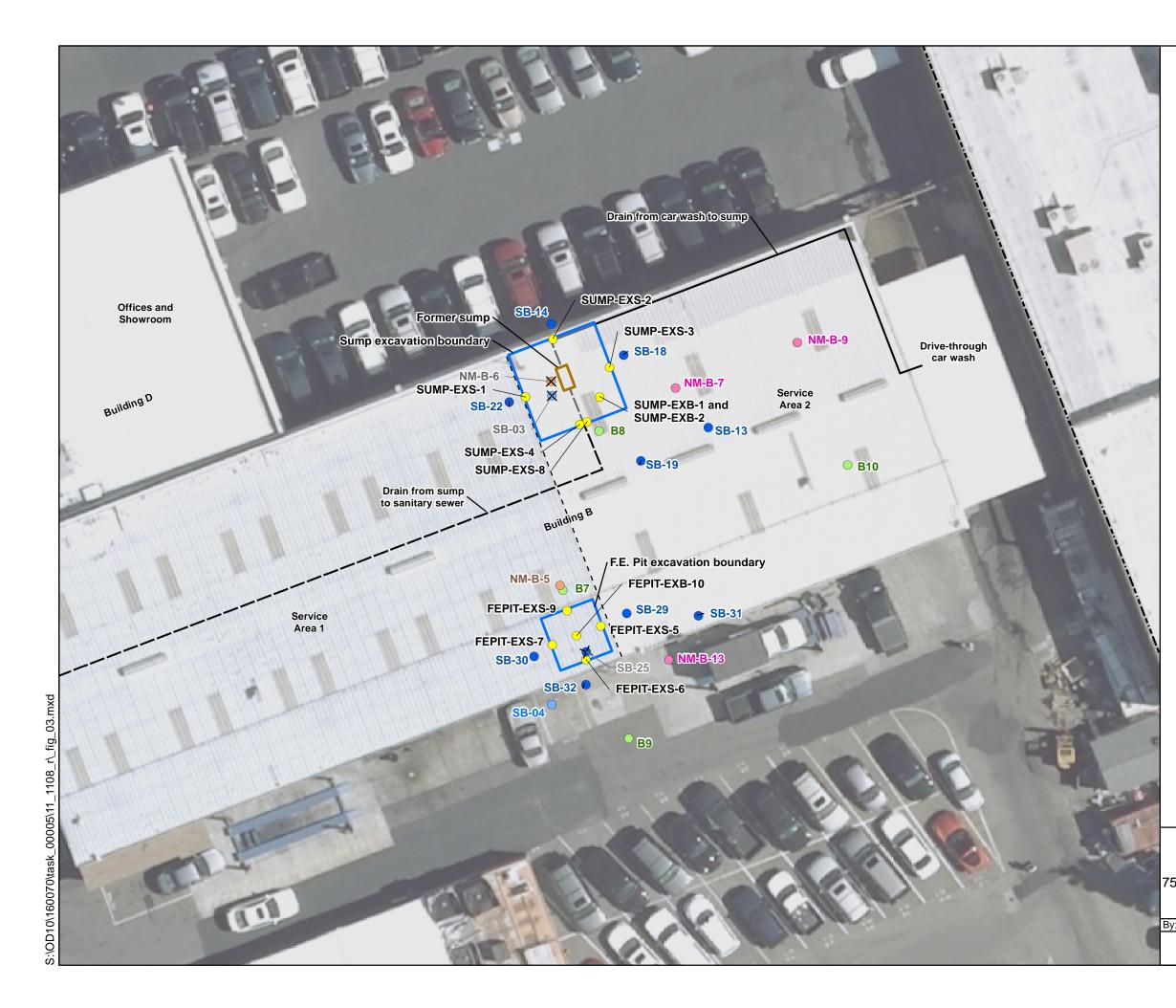


FIGURES



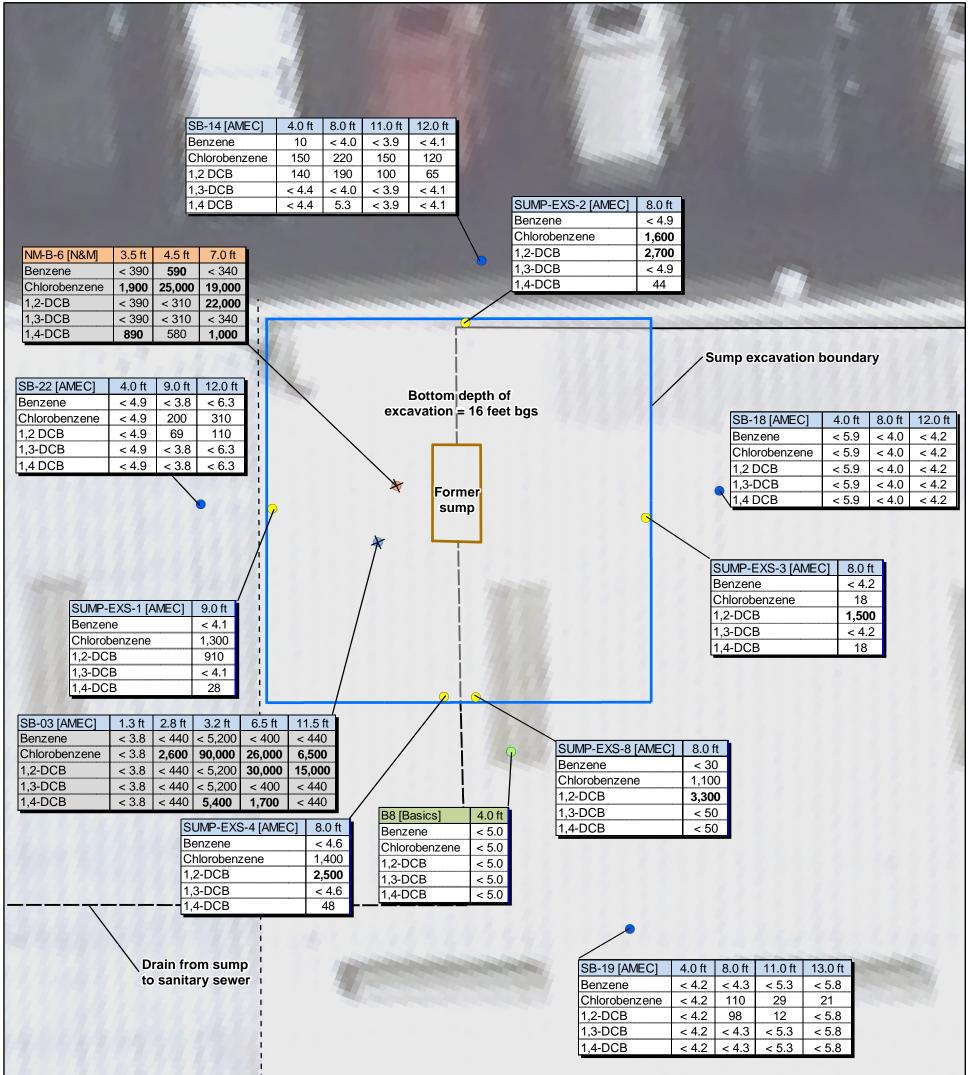
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	Explanation		
•	AMEC soil and/or gra location (October 19-		ater sample
٠	AMEC soil and/or gra location (May 16-July	ab groundwa / 26, 2011)	ater sample
	AMEC soil and/or gra location (September		
	Ninyo & Moore grab location (August 10-2		r sample
	Ninyo & Moore soil a sample location (Dec		
•	Basics Environmenta groundwater sample (February 24-25, 200	location	grab
×	Sample collected fro subsequently remove		
	Approximate excava	tion boundar	у
	Interior building wall		
	Approximate locatior drain line	of above-g	round
	Approximate locatior drain line	n of below-gr	ound
	Property line		
	eviations = Front-end alignment p	pit	
Building the site	nal samples have been o g B in association with of . These samples are not tions and are not shown	her invesigati related to the	ons at
	ru		
0	20		40 ⊐ Feet
SUMF	PAND FE PIT EXC		AREAS
(Crown Chevrolet C n Boulevard and 6 Dublin, Cali	adillac Isu 707 Golde	izu
By: AWP	Date: 12/21/2011	Project No.	OD10160070
a	nec [©]	Figure	3

S:\OD10\160070\task_00005\11_1108_r_fig_04_VOCsSumpExcavation.mxd



Explanation

- AMEC soil and/or grab groundwater sample location (October 19-28, 2011)
- AMEC soil and/or grab groundwater sample location (May 16-July 26, 2011)
- AMEC soil and/or grab groundwater sample location (September 27-29, 2010)
- Ninyo & Moore soil and/or grab groundwater sample location (December 16, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24-25, 2009)
- X Sample collected from soil that was subsequently removed during excavation

Approximate excavation boundary

- - - Interior building wall
 - Approximate location of above-ground drain line
- ----- Approximate location of below-ground drain line

Sampler –			
Sample ID -	B8 [Basics]	4.0 ft	 Sample depth (bgs)
	Benzene	< 5.0	
	Chlorobenzene	< 5.0	
Constituent -	1,2-DCB	< 5.0	 Concentration (µg/kg)
	1,3-DCB	< 5.0	
	1,4-DCB	< 5.0	

Notes:

- 1. Analytes shown on this figure were detected in at least one soil sample above their ESLs. Results shown in **bold** exceed their respective ESLs. Although gasoline range organics (GRO) were detected in samples SB-03-3.2 and NM-B-6 above the GRO ESL, the GRO values reported are likely due to the presence of non-gasoline VOCs in the samples; therefore, they are not reported here.
- Shading indicates that the sample was collected from soil that was subsequently removed during excavation.



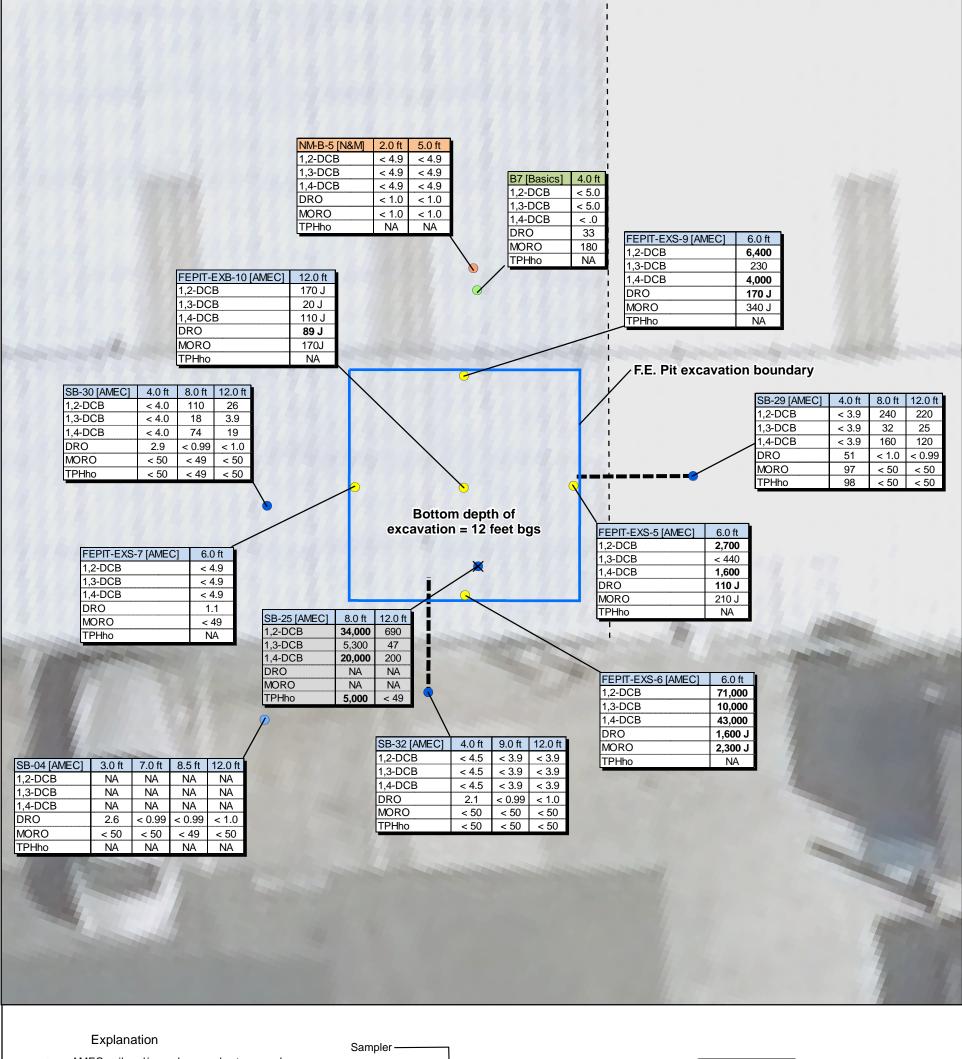
Residential ESLs				
Benzene	44			
Chlorobenzene	1,500			
1,2-DCB	1,100			
1,3-DCB	7,400			
1,4-DCB	590			

ne	1,500					
	1,100					
	7,400					
	590			,		
				1		
			h			
			-			
		0	2.5		5 ⊐ Feet	
					⊐Feet	

SELECTED VOCs IN SOIL, SUMP AREA Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

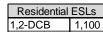
By: AWP	Date: 12/21/2011	Project No.	OD10160070
amec [®]		Figure	4

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AMEC soil and/or grab groundwater sample location (October 19-28, 2011)

Sample ID -- Sample depth (bgs) B7 [Basics] 4.0 ft 1 2-DCB < 50

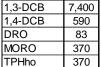


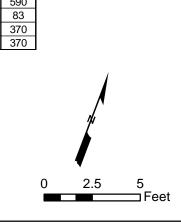
- AMEC soil and/or grab groundwater sample location (May 16-July 26, 2011)
- AMEC soil and/or grab groundwater sample location (September 27-29, 2010)
- Ninyo & Moore soil and/or grab groundwater sample location (December 16, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24-25, 2009)
- X Sample collected from soil that was subsequently removed during excavation

Approximate excavation boundary

- Approximate path of angled boring
- Interior building wall

1,3-DCB < 5.0 Concentration (µg/kg) 1,4-DCB < .0 Constituent DRO 33 MORO 180 Concentration (mg/kg) TPHho NA





1,4-DCB = 1,4-dichlorobenzene Basics = Basics Environmental, Inc. bgs = below ground surface DRO = diesel range organics ESLs = Environmental Screening Levels µg/kg = micrograms per kilogram TPH AND SELECTED VOCs IN SOIL, mg/kg = milligrams per kilogram MORO = motor oil range organics FE PIT AREA N&M = Ninyo & Moore Crown Chevrolet Cadillac Isuzu NA = not analyzed < = not detected above the laboratoryreporting limit shown 7544 Dublin Boulevard and 6707 Golden Gate Drive J = The analyte was positively identified, and the Dublin, California associated numerical value is the approximate By: AWP Date: 12/20/2011 Project No. OD10160070 concentration of the analyte in the sample TPH = total petroleum hydrocarbons TPHho = TPH quantified as hydraulic oil VOCs = volatile organic compounds Figure 5

Notes:

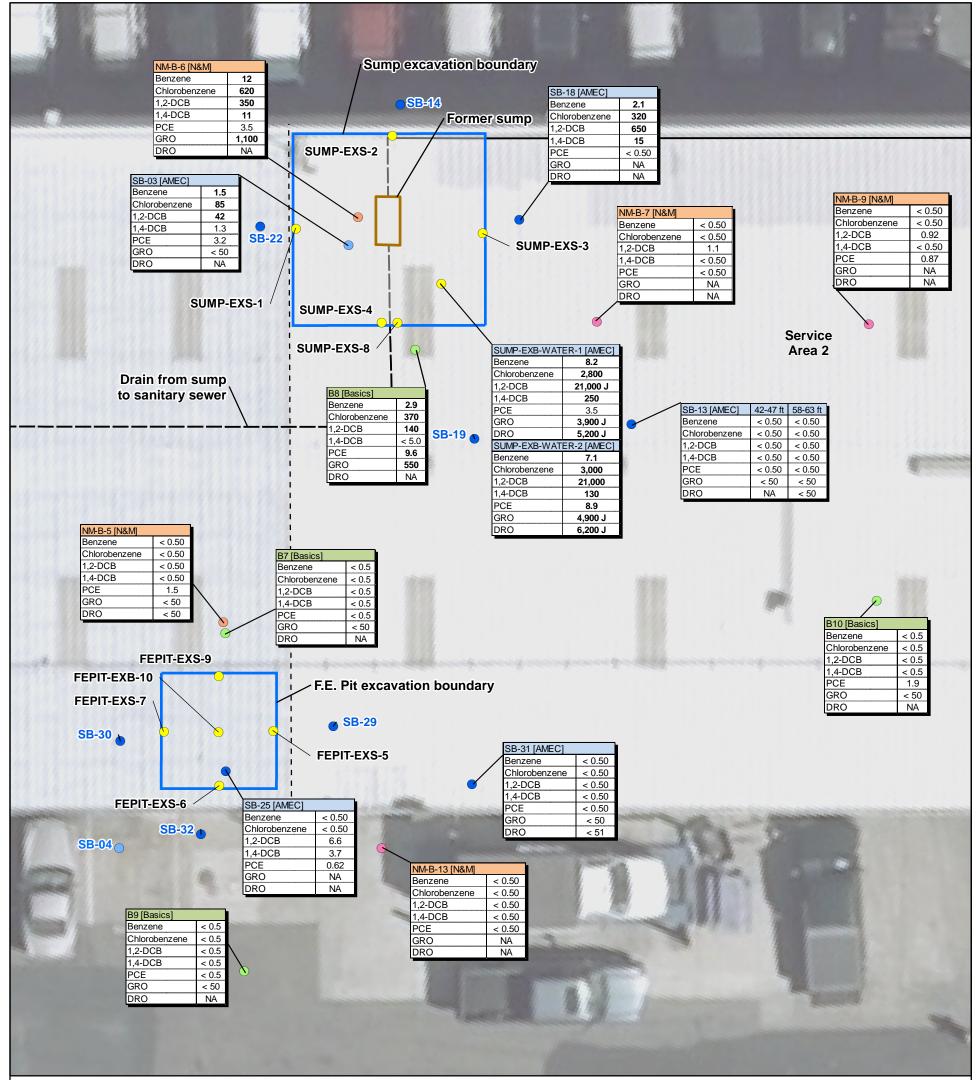
- 1. Analytes shown on this figure were detected in at least one soil sample above their ESLs. Results shown in **bold** exceed their respective ESLs.
- 2. Shading indicates that the sample was collected from soil that was subsequently removed during excavation.

Abbreviations:

1,2-DCB = 1,2-dichlorobenzene

1,3-DCB = 1,3-dichlorobenzene

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Explanation

- AMEC grab groundwater sample location (October 19-28, 2011)
- AMEC grab groundwater sample location (May 16-July 26, 2011)
- AMEC grab groundwater sample location (September 27-29, 2010)
- Ninyo & Moore grab groundwater sample location (August 10-12, 2011)
- Ninyo & Moore grab groundwater sample location (December 16, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24-25, 2009)



Approximate excavation boundary

- - - Interior building wall
 - Approximate location of above-ground drain line
- Approximate location of below-ground drain line

- Notes:
- 1. Analytes shown on this figure were detected in at least one sample above their respective ESLs in this portion of the site. Results shown in **bold** exceed their respective ESLs. Although 1,2,4-trichlorobenzene was detected in the two sump excavation water samples (SUMP-EXB-WATER-1 and -2) above the ESL, this constituent was not detected in any other sample and these results are not presented here.
- 2. Reported DRO results for samples collected by AMEC are from groundwater samples that were filtered prior to analysis.
- Reported DRO results for samples collected by Ninyo & Moore are from groundwater samples that were not filtered prior to analysis.
 Duplicate samples were analyzed for SUMP-EXB-WATER-1 and
- SUMP-EXB-WATER-2. The highest detected concentration is reported in the data box.
- 5. Samples were collected from first-encountered groundwater unless a depth (in feet below ground surface) is indicated.

Abbreviations:

 $GRO = gasoline range organics \mu g/L = micrograms per liter$

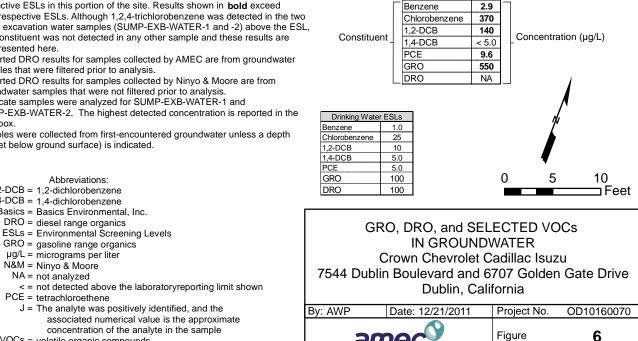
VOCs = volatile organic compounds

1,2-DCB = 1,2-dichlorobenzene

1,4-DCB = 1,4-dichlorobenzene Basics = Basics Environmental Inc. DRO = diesel range organics

N&M = Ninyo & Moore

PCE = tetrachloroethene



Sampler

Sample ID -

B8 [Basics]

10

6

⊐Feet



APPENDIX A

Copies of Cornerstone Engineering Reports

Date: Project No.:	June 24, 2011 319-2-1
Prepared For:	Mr. Peter Timmerman PACIFIC STATES ENVIRONMENTAL CONTRACTORS 11555 Dublin Blvd. Dublin, California 94568
Re:	Geotechnical Consultation Crown Chevrolet Sump Excavation 7544 Dublin Boulevard Dublin, California

Dear Mr. Timmerman:

CORNERSTONE EARTH GROUP

As requested, this letter presents the results of our geotechnical review of the proposed sump excavation proposed for the above referenced project. Our services were performed in accordance with our agreement dated June 20, 2011.

For our review, we received the following documents:

- A document titled, "Sump Remediation Work Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, CA," prepared by AMEC Geomatrix dated April 18, 2011.
- A document titled, "Request for Proposal to Implement Sump Remediation Activities, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, CA," prepared by AMEC Geomatrix dated May 18, 2011.
- A set of building plans titled, "New Sales and Service Facility for Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1968.
- A set of building plans titled, "Proposed New Showroom and Remodel of Existing Facilities, Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1994.

Project Background

The project will consist of excavating impacted soil from within the interior of the former auto service building. The scope of work was summarized in the Sump Remediation Work Plan prepared by AMEC Geomatrix, which included plan and cross section views of the proposed sump excavation area. The work plan also included soil boring and Cone Penetration Test logs performed by AMEC and others around the sump area. The existing sump is reportedly 2.5 by 5 feet in plan and extends approximately 3.5 feet below the existing floor level. Pacific States Environmental proposes to remove a portion of the existing concrete slab-on-grade, remove the existing concrete sump, and excavate impacted soil from around the sump to a maximum depth of approximately 16 feet. The minimum lateral dimensions of the excavation area are reported to be approximately 10 by 15 feet.

1259 Oakmead Parkway | Sunnyvale, CA 94085 T 408 245 4600 | F 408 245 4620 2737 North Main Street, Suite 10 | Walnut Creek, CA 94597 7 925 988 9500 | F 925 988 9501

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Due to the proximity of existing interior walls and exterior walls or columns relative to the proposed excavation, Pacific States proposes to excavate the soil in narrow sections (slots) approximately 18 inches wide. The slots will be excavated in an alternating pattern to reduce the potential for settlement or lateral movement of the adjacent foundations and existing slab-on-grade, and to reduce the potential for sidewall instability. The slot excavations will reportedly be backfilled with a Controlled Density Fill (CDF) and capped with compacted based material. We understand that temporary shoring for the excavation or underpinning for the existing building are not proposed or anticipated at this time.

Our services were limited to reviewing the proposed excavation plan based on available subsurface data collected at the site by others, reviewing the existing foundation plans, and providing supplemental recommendations regarding the proposed excavation phasing plan, as summarized below.

Site Conditions

Based on our review of the building plans, the existing steel-frame building is supported by exterior steel columns and roof beams spaced at approximately 24 feet on center. The roof beams span the entire width of the building, so no interior columns are present. The exterior columns are supported on isolated spread footings approximately 5½ to 7 feet long and 21 inches wide. Interior footings for the interior wall adjacent to the sump (former exterior wall) are approximately 18 inches wide by 30 inches long and support interior pipe columns. Footings were reportedly designed in accordance with the 1961 Uniform Building Code for a maximum allowable bearing pressure of 1,500 pounds per square foot. Interior and exterior walls are supported on thickened concrete edges or pads approximately 12 wide by 12 inches thick.

Based on our review of the boring and CPT data previously collected by others, the sump structural section consists of the approximately 4- to 6-inch-thick existing concrete slab-on-grade underlain by up to 3 inches of aggregate base. The slab section is underlain by 3 to 5 feet of undocumented fill consisting of medium dense clayey sand and stiff sandy lean clay. The fill is underlain by native alluvial soil consisting of medium stiff to stiff silty clay and lean clay with sand to the maximum depth explored at 20 feet. The stiffness of the native clay appeared to decrease at a depth of approximately 11 to 15 feet, which corresponds to the increase in moisture near the ground water level.

Ground water was previously encountered by others at depths ranging from approximately 12 to 14 feet below the main floor level.

Recommendations

Based on our review of the available subsurface data and our understanding of the proposed sump excavation, from a geotechnical viewpoint, the proposed phased sump excavation is suitable and temporary shoring will not be required. The primary geotechnical concern is the potential for lateral movement of the existing exterior column footing that could occur if the entire excavation were to be performed simultaneously or if the excavation were to be left open for a long period of time. Since a phased, narrow slot approach is to be utilized for the sump excavation project, in our opinion, the potential for lateral foundation movement should be adequately mitigated. We recommend that the sump excavation and backfilling consider the following items:



- 1. The width of each slot excavation adjacent to interior and exterior walls should be limited to no more than 18 inches when the edge of the excavation is located within 5 feet of a footing or wall.
- 2. The edge of slot excavations that are greater than 5 feet from an existing wall or footing should be no greater than 5 feet wide, as measured parallel to the wall or footing.
- 3. Slot excavations that extend up to the edge of the existing 18 by 30 inch pipe column footing should not be made directly in front of the footing, but should be offset so that no more than one-half the footing is exposed at any time.
- 4. Existing footings, if exposed, should not be undermined during excavation.
- 5. Slot excavations should be separated by at least 36 inches (measured from edge to edge of adjacent trenches) of undisturbed soil or previously placed CDF that has cured at least 24 hours. Slot trenches should not be cut adjacent to CDF that has cured less than 24 hours. Depending on the CDF mix design, it may be necessary to increase the cure time of the CDF, especially below the ground water table.
- 6. Slot excavations should be performed and backfilled on the same day to reduce the potential for lateral soil movement.
- Due to presence of shallow ground water, the excavation may be susceptible to minor localized sloughing or caving. Therefore, Pacific States should be prepared to temporarily stabilize or backfill excavations if excessive sloughing or caving soils are encountered.
- 8. If ground water cannot be removed from the trenches prior to placing CDF, the CDF should be placed by tremie methods to keep the water from mixing with the CDF.
- 9. If existing footing edges are exposed, CDF should be used to backfill up to at least 3 inches above the bottom of the footing.
- 10. A pre-construction survey and/or photo-documentation of the existing facility should be performed prior to beginning the excavation.
- 11. If shallow sloughing or caving occurs beneath existing slab-on-grade or footing areas due to raveling of dry, cohesionless soils (e.g. underslab granular base or undocumented fill), the voids should be adequately backfill with CDF or other compacted fill material to reduce the potential for future settlement. This may require cutting the existing slab-on-grade back further and sloping the upper 3 to 5 feet of the excavation back at 1:1 (horizontal:vertical).
- 12. Due to potential variable subsurface conditions in the excavation area, modifications to the phased excavation plan may be required in the field during construction based on actual conditions encountered.
- 13. Construction personnel should not enter the slot excavations at any time unless temporary shoring is first installed in accordance with applicable OSHA requirements.

Closure

We hope this provides the information you need at this time. Recommendations presented in this letter have been prepared for the sole use of Pacific States Environmental Contractors specifically for the property at 7544 Dublin Boulevard in Dublin, California. Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices at this time and location. No warranties are either expressed or implied.

CORNERSTONE EARTH GROUP

If you have any questions or need any additional information from us, please call and we will be glad to discuss them with you.

Sincerely,

Cornerstone Earth Group, Inc. John R. Dye, P.E., G.E.

Principal Engineer

LCK:JRD

Copies: Addressee (1 by email)



Date: Project No.:	September 29, 2011 319-2-1
Prepared For:	Mr. Gary Overton PACIFIC STATES ENVIRONMENTAL CONTRACTORS ⁰ 2011 11555 Dublin Blvd. Dublin, California 94568 Constanting Consultation
Re:	Geotechnical Consultation Crown Chevrolet Front End Pit Excavation 7544 Dublin Boulevard Dublin, California

Dear Mr. Overton:

ORNERSTONE ARTH GROUP

As requested, this letter presents the results of our supplemental geotechnical review of the proposed Front End (FE) Pit excavation proposed for the above referenced project. Our services were performed in accordance with our agreement dated September 28, 2011. As you know, we provided geotechnical consultation services for the sump excavation and presented our findings in our letter dated June 24, 2011.

For our review, we received the following documents:

 A document titled, "FE Pit Excavation Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard, Dublin, CA," prepared by AMEC dated September 21, 2011.

Previous documents reviewed as part of our evaluation of the FE Pit excavation included:

- Miscellaneous boring and Cone Penetration Test logs from various locations within the existing building performed AMEC and others.
- A set of building plans titled, "New Sales and Service Facility for Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1968.
- A set of building plans titled, "Proposed New Showroom and Remodel of Existing Facilities, Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1994.

Project Background

The project will consist of excavating impacted soil from within the interior of the former auto service building, which will also include the former FE Pit area in addition to the sump pit area. The excavation plan prepared by AMEC included plan and cross section views of the proposed FE Pit excavation area. The FE pit originally consisted of a 12 by 14 foot by 4 foot deep concrete pit. The pit was reportedly abandoned and backfilled with pea gravel and topped with a 6 inch thick concrete slab. We understand that Pacific States Environmental will remove the 6 inch slab and a portion of the surrounding concrete slab-on-grade, remove the existing FE Pit backfill, and excavate impacted soil from below the FE pit to a maximum depth of approximately

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CORNERSTONE EARTH GROUP

12 feet. The minimum lateral dimensions of the excavation area are anticipated to be approximately 14 by 15 feet.

Due to the proximity of existing interior walls and exterior walls or columns relative to the proposed excavation, we understand that Pacific States proposes to excavate the soil in narrow sections (slots) approximately 18 inches wide, similar to the methodology proposed for the nearby sump pit excavation. The slots will be excavated in an alternating pattern to reduce the potential for settlement or lateral movement of the adjacent foundations and existing slab-on-grade, and to reduce the potential for sidewall instability. The slot excavations will reportedly be backfilled with a Controlled Density Fill (CDF) and capped with compacted based material. We understand that temporary shoring for the excavation or underpinning for the existing building are not proposed or anticipated at this time.

Our services were limited to reviewing the proposed excavation plan based on available subsurface data collected at the site by others, reviewing the existing foundation plans, and providing supplemental recommendations regarding the proposed excavation phasing plan, as summarized below.

Site Conditions -

Based on our review of the building plans, the existing steel-frame building is supported by exterior steel columns and roof beams spaced at approximately 24 feet on center. The roof beams span the entire width of the building, so no interior columns are present. The exterior columns are supported on isolated spread footings approximately 5½ to 7 feet long and 21 inches wide. Interior footings for the interior wall adjacent to the FE Pit (former exterior wall) are approximately 18 inches wide by 30 inches long and support interior pipe columns. Footings were reportedly designed in accordance with the 1961 Uniform Building Code for a maximum allowable bearing pressure of 1,500 pounds per square foot. Interior and exterior walls are supported on thickened concrete edges or pads approximately 12 inches wide by 12 inches thick.

Based on our review of the boring and CPT data previously collected by others inside the building, the slab section is generally underlain by 3 to 5 feet of undocumented fill consisting of medium dense clayey sand and stiff sandy lean clay. The fill is underlain by native alluvial soil consisting of medium stiff to stiff silty clay and lean clay with sand to the maximum depth explored at 20 feet. The stiffness of the native clay appeared to decrease at a depth of approximately 11 to 15 feet, which corresponds to the increase in moisture near the ground water level.

Ground water was previously encountered by others at depths ranging from approximately 12 to 14 feet below the main floor level.

Recommendations

Based on our review of the available subsurface data and our understanding of the proposed FE Pit excavation, from a geotechnical viewpoint, the proposed phased excavation is suitable and temporary shoring will not be required. The primary geotechnical concern is the potential for lateral movement of the existing exterior column footing that could occur if the entire excavation were to be performed simultaneously or if the excavation were to be left open for a long period of time. Since a phased, narrow slot approach is to be utilized for the FE pit

E CORNERSTONE EARTH GROUP

excavation, in our opinion, the potential for lateral foundation movement should be adequately mitigated. We recommend that the FE Pit excavation and backfilling consider the following items:

- 1. The width of each slot excavation adjacent to interior and exterior walls should be limited to no more than 18 inches when the edge of the excavation is located within 5 feet of a footing or wall.
- 2. The edge of slot excavations that are greater than 5 feet from an existing wall or footing should be no greater than 5 feet wide, as measured parallel to the wall or footing.
- 3. Slot excavations that extend up to the edge of the existing 18 by 30 inch pipe column footing should not be made directly in front of the footing, but should be offset so that no more than one-half the footing is exposed at any time.
- 4. Existing footings, if exposed, should not be undermined during excavation.
- 5. Slot excavations should be separated by at least 36 inches (measured from edge to edge of adjacent trenches) of undisturbed soil or previously placed CDF that has cured at least 24 hours. Slot trenches should not be cut adjacent to CDF that has cured less than 24 hours. Depending on the CDF mix design, it may be necessary to increase the cure time of the CDF, especially below the ground water table.
- 6. Slot excavations should be performed and backfilled on the same day to reduce the potential for lateral soil movement.
- Due to presence of shallow ground water, the excavation may be susceptible to minor localized sloughing or caving. Therefore, Pacific States should be prepared to temporarily stabilize or backfill excavations if excessive sloughing or caving soils are encountered.
- 8. If ground water cannot be removed from the trenches prior to placing CDF, the CDF should be placed by tremie methods to keep the water from mixing with the CDF.
- 9. If existing footing edges are exposed, CDF should be used to backfill up to at least 3 inches above the bottom of the footing.
- 10. A pre-construction survey and/or photo-documentation of the existing facility should be performed prior to beginning the excavation.
- 11. If shallow sloughing or caving occurs beneath existing slab-on-grade or footing areas due to raveling of dry, cohesionless soils (e.g. underslab granular base or undocumented fill), the voids should be adequately backfill with CDF or other compacted fill material to reduce the potential for future settlement. This may require cutting the existing slab-on-grade back further and sloping the upper 3 to 5 feet of the excavation back at 1:1 (horizontal:vertical).
- 12. Due to potential variable subsurface conditions in the excavation area, modifications to the phased excavation plan may be required in the field during construction based on actual conditions encountered.
- 13. Construction personnel should not enter the slot excavations at any time unless temporary shoring is first installed in accordance with applicable OSHA requirements.

Closure

We hope this provides the information you need at this time. Recommendations presented in this letter have been prepared for the sole use of Pacific States Environmental Contractors specifically for the property at 7544 Dublin Boulevard in Dublin, California. Our professional



services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices at this time and location. No warranties are either expressed or implied.

If you have any questions or need any additional information from us, please call and we will be glad to discuss them with you.

Sincerely,

Cornerstone Earth Group, Inc.

John R. Dye, P.E., G.E Principal Engineer

Copies: Addressee (1 by email)





6/27/2011

Submittal #: 22979

Customer: Pacific States Environmental

Attn.: Pete Timmerman

RE: Crown Chevrolet

Salesperson	Phone #	Fax #
Mark Shaw	(925)348-4865	(661)215-6372
Rick Martinez	(925)200-3215	(661)215-6310
John Rios	(408)506-3655	(661)885-4140
Darla Allen	(916)240-1696	(661)885-4151
John Christ	(408)421-8179	(661)215-6326
Bill Blake	(408)969-4932	
Hernan Perez	(916)467-2524	
Dispatch	1-866-476-2764 Ext. 1	

Dear Pete Timmerman:

CEMEX is pleased to submit the following concrete mix / mixes for the above referenced project:

These concrete mixes have been proportioned in accordance with the requirements of ACI 318, 301 or 211; applicable practices; industry standard; project specifications provided by the Customer; or by Customer specific request. (Local Standards)

Mix Number	Description	Usage	
1412894	FCF 320 C+F 90% PG AIR	CDF	
1412726	4P 470 C+F 15% WR	Sitework	

When placing orders for this project, please order by concrete mix design number.

The concrete as delivered to this project will meet or exceed the design strength specified on the delivery ticket when sampled at the point of discharge from the ready mix truck and evaluated in accordance with the latest version of ACI 318, ACI 301, and ASTM C-94. The testing laboratory must be certified in accordance with the provisions of ASTM C-1077. The concrete must be in compliance with the submitted mix design and must be tested in strict accordance with the latest version of the applicable ASTM standards.

In accordance with ASTM C-94 and to comply with the latest version of ACI 318, CEMEX kindly requests that it be included on the distribution list for all Concrete Test Reports.

Chemical admixtures are added in accordance with the chemical admixtures manufacturer's recommendatons. CEMEX may make adjustments to the dosages to meet changes in project site demands.

In order for Customer to ensure it receives concrete with its expected concrete strength, Customer is responsible for ensuring that field sampling has been done per ASTM C-172 and ASTM C-31, the testing laboratory is certified in accordance with ASTM C-1077, and testing fully complies with ASTM C-39.

Respectfully, CEMEX



Customer:	Pacific States Environmental	Date Issued:	6/27/2011
Attention:	Pete Timmerman	Plant:	4431 Pleasanton
Project:	Crown Chevrolet	Submittal #:	22979

Mix #: 1412894 Use: CDF	Descrip	otion: FCF 320 C+F 90%	PG AIR					
				Specific				
Material	Description	Source	ASTM	Gravity	oz/yd	Weight (lb)	Volume	
Cement	Type II/V Lehigh	Lehigh	C 150	3.15		32.0	0.16	
Fly Ash F	ISG Flyash	Headwaters Resources	C-618	2.36		288.0	1.95	
# 8	Eliot 3/8"	Cemex	C-33	2.68		1200.0	7.17	
Blended Sand	Concrete Sand	Various	C-33	2.65		1800.7	10.88	
Air Entrainer	Daravair 1000	2-20 oz/cy	C-260	1.00				
City	Water		C-94	1.00	45.0gal	375 . 5	6.02	
Air							0.81	
				. · · .	TOTAL	3696	27.00	
Specified F'c :	50 – 150 PS	SI @ 28 Days	Design	ned Wet Unit	Weight:	136.9	bs./cu.ft.	
Specified Slump:		Designed W/C + P Ratio:			1.17			
Specified Air:	-			Designed Volume:			27.00 cu.ft.	

CEMEX has no knowledge or authority regarding where this concrete mix is to be placed or its intended application. It is the sole responsibility of the Customer, to ensure that the mix parameters of compressive strength, water cement ratio, cement content, pumpability and air content, are appropriate for the environmental conditions at the project site.

The Customer acknowledges and confirms that this information is confidential and is being disclosed to the recipient for purposes of review only. By accepting this information, the recipient agrees:

- to maintain this information in confidence at all times,

- to not disclose this information, in whole or in part, by way of summary or analysis, to anyone except as explicitly agreed to by Cemex.

COMMENTS:

Marla Woodard

Quality Specialist



Customer:	Pacific States Environmental	Date Issued:	6/27/2011
Attention:	Pete Timmerman	Plant:	4431 Pleasanton
Project:	Crown Chevrolet	Submittal #:	22979

Mix #: 1412726 Use: Sitework	Descript	tion: 4P 470 C+F 15%	WR				
Material	Description	Source	ASTM	Specific	or fred		17.1
	•			Gravity	oz/yd	Weight (lb)	Volume
Cement	Type II/V Lehigh	Lehigh	C 150	3.15		400.0	2.03
Fly Ash F	ISG Flyash	Headwaters Resources	C-618	2.36		70.0	0.48
# 67	Eliot 3/4"	Cemex	C-33	2.68		1750.0	10.46
Blended Sand	Concrete Sand	Various	C-33	2.65		1525.1	9.22
Type A Water	Wrda 64	3-5 oz/cwt cement	C-494	1.00			
Reducer							
City	Water	•	C-94	1.00	33.0gal	275.4	4.41
Air						· · · · · · · · · · · · · · · · · · ·	0.41
					TOTAL	4020	27.00
Specified F'c :	2,500	PSI	Desig	gned Wet Unit	Weight:	148.9 l	bs./cu.ft.
Specified Slump:	4.00	in.	Desig	gned W/C + P	Ratio:	0.59	
Specified Air:	1.50	%	Desig	gned Volume:		27.00 c	cu.ft.

CEMEX has no knowledge or authority regarding where this concrete mix is to be placed or its intended application. It is the sole responsibility of the Customer, to ensure that the mix parameters of compressive strength, water cement ratio, cement content, pumpability and air content, are appropriate for the environmental conditions at the project site.

The Customer acknowledges and confirms that this information is confidential and is being disclosed to the recipient for purposes of review only. By accepting this information, the recipient agrees:

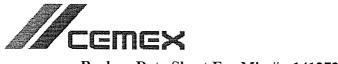
- to maintain this information in confidence at all times,

- to not disclose this information, in whole or in part, by way of summary or analysis, to anyone except as explicitly agreed to by Cemex.

COMMENTS:

Marla Woodard

Quality Specialist



Backup Data Sheet For Mix #: 1412726

Date: 6/27/2011

Units: US

			STRENGTH S Strengths		mpression	Eithe	er 4" x 8"	Or 6" x 12"
No. Of Tests	Avg Slump	Avg Air	Avg 7 Day	Avg 28 Day	Avg Acc Age	Accept Age	Std Dev	ACI318 Req'd
30	3.33	.00	2580	4100	4100	28	770	3780
ACI 318 F'c+1.3		ACI318 F'c+ 2.335-500						

3525

3783

DETAILED STRENGTH, Compression Either 4" x 8" Or 6" x 12" Batch Test Slump Air Strengths Date Plant Acc Number Number 7 Day 28 Day Acc Age Age _____ ------____ 4442-5877 E3027-3029 2410 3690 9/13/2010 4442 2.50 3690 28 4442-5877 E3033-3035 9/13/2010 4442 2.00 2390 3550 3550 28 4442-5877 E3024-3026 9/13/2010 4442 2.50 2630 3910 3910 28 4442-7442 E3151-3153 9/15/2010 4442 4.25 2290 3290 3290 28 E3154-3156 4442-7442 9/15/2010 4442 4.50 1890 3010 3010 28 4443-6280 E3470-3472 9/23/2010 4443 5.00 2230 3440 3440 28 4439-8720 E3418-3420 9/24/2010 4439 3.00 2470 3910 3910 28 23631109 ESAC24749A 10/6/2010 4439 4.50 2140 3450 3450 28 23634813 ESAC24753A 10/8/2010 4443 5.00 2030 3510 3510 28 4442-7442 E4012-4014 10/11/2010 4442 2.00 2170 3440 3440 28 4442-7442 E4009-4011 10/11/2010 4442 2.00 2570 3900 3900 28 4442-7442 E4153-4155 10/15/2010 4442 4.50 2090 3440 3440 28 4442-7442 E4150-4152 10/15/2010 4442 6.00 2120 3330 3330 28 4439-8747 E4861-4863 11/2/2010 4439 3.00 2430 3940 3940 28 4439-8747 E4864-4866 11/2/2010 4439 3.00 2410 3860 3860 28 4439-8747 E4867-4869 11/2/2010 4439 3.00 2590 4190 4190 28 4442-7442 E5537-5539 11/19/2010 .4442 3.00 3760 5280 5280 28 4442 - 7442E5540-5542 11/19/2010 4442 2.75 3440 5620 5620 28 4442-7442 E5543-5545 11/19/2010 4442 3.00 3340 5250 5250 28 4442-7442 E5534-5536 11/19/2010 4442 3.00 3670 5950 5950 28 4439-7442 E5712-5714 11/30/2010 4442 5.00 2090 3780 3780 28 4442-7442 E5715-5717 11/30/2010 4442 4.00 2230 3930 3930 28 4442-7442 E5718-5720 11/30/2010 4442 3.75 2270 3830 3830 28 4442-7442 E5721-5723 11/30/2010 4442 4.25 2020 3430 3430 28 4443-6280 E6486-6488 1/17/2011 4443 3.50 3070 4520 4520 28 4442-7442 E6670-6672 1/27/2011 4442 2.50 3040 4850 4850 28 4442-7442 E6664-6666 1/27/2011 4442 2.00 3370 5030 5030 28 4442-7442 E6661-6663 1/27/2011 4442 2.50 3380 4210 4210 28 4442-7442 E6658-6660 1/27/2011 4442 2.00 1850 5040 5040 28 4442-7442 E6673-6675 1/27/2011 4442 2.00 3100 4570 4570 28



TECHNICAL SERVICES SALES & MARKETING

12667 Alcosta Blvd., Suite 400 San Ramon, CA 94583

Telephone (925) 244 6500 FAX (925) 244 6586 <u>PERMANENTE PLANT</u> 24001 Stevens Creek Blvd. Cupertino, CA 95014-5659 Telephone (408) 996-4033 FAX (408) 996-4033

CEMENT TEST REPORT

Cement: Permanente Type II-V, Low Alkali; ASTM C 150-09

Production Period: April 2011		Report Date:	5/11/2011
STANDARD CHEMICAL REQUIREMENTS	TEST	ASTM C 150-09 SPI	ECIFICATIONS
ASTM C 114	RESULTS	TYPE II	TYPE V
Silicon Dioxide (SiO ₂), %	21.7	20.0 Min	
Aluminum Oxide (Al ₂ O ₃), %	3.9	6.0 Max	
Ferric Oxide (Fe ₂ O ₃), %	3.6	6.0 Max	
Calcium Oxide (CaO), %	65.5		, skonstand
Magnesium Oxide (MgO), %	1.2	6.0 Max	6.0 Max
Sulfur Trioxide (SO ₃), %	3.1	3.0 Max	2.3 ^B Max
Loss on Ignition (LOI), %	0.9	3.0 Max	3.0 Max
Insoluble Residue, %	0.17	0.75 Max	0.75 Max
Alkalies (Na ₂ O equivalent), %	0.31	0.60 Max	0.60 Max
Tricalcium Silicate (C3S), %	61		
Dicalcium Silicate (C ₂ S), %	16		
Tricalcium Aluminate (C ₃ A), %	4	8 Max	5 Max
Tetracalcium Aluminoferrite (C ₄ AF), %	11		
2 (C ₃ A) + C ₄ AF, %	19		25 Max
PHYSICAL REQUIREMENTS			
(ASTM C 1038) Expansion @ 14 days,%	0.003	0.020 Max	0.020 Max
(ASTM C 452) Expansion @ 14 days,%	0.021		0.04 Max
(ASTM C 430) -325 Mesh, %	98.9		
(ASTM C 204) Blaine, m2/kg	345	280 Min	280 Min
(ASTM C114) Limestone, max, %	2.5	5 Max	5 Max
(ASTM C114) Limestone, %CaCO3	81		
(ASTM C114) Cement, %CO2	0.89		
(ASTM C 191) Time of Setting - Initial (Vicat)	138	45 Min	45 Min
(ASTM C 191) Time of Setting - Final (Vicat)	300	375 Max	375 Max
(ASTM C 451) False Set, %	87	50 Min	50 Min
(ASTM C 185) Air Content, %	6.8	12 Max	12 Max
(ASTM C 151) Autoclave Expansion, %	-0.01	0.80 Max	0.80 Max
(ASTM C 187) Normal Consistency, %	24.7		
(ASTM C 109) Compressive Strength, psi (MPa)			
1 Day	1720		
3 Day	2878	1500 (10.3) Min	1160 (8.0) Min
7 Day	3873	2500 (17.2) Min	2180 (15.0) Min
28 Day (previous month)	7307		3050 (21.0) Min

This cement meets the requirements of specification:

Alan Sabawi, Quality Control Manager

ASTM C150-09 Type II-V, Low Alkali

" Adjusted per ASTM C-150-09 Section A1.6

Caltrans Section 90-2.01 - Type II-V Modified

ASTM C 1157 Portland Cement Type HS

Applicable ASTM C 150 Notes:

Note B: There are cases where the optimum SO3 (using Test Method C563) for a particular cement is close to or in excess of the limit in this specification. In such cases where properties of a cement can be improved by exceeding the SO3 limit stated in this table it is permissible to exceed the values in the table, provided it has been demonstrated by Test Method C1038 that the cement with the increased SO3 will not develop expansion in water exceeding 0.020% at 14 days. When the manufacturer supplies cement under this provision, he shall, upon request, supply supporting data to the purchaser.

Note C: Limestone addition as per C 150-09 Item 5.1.3

Adding Value to Energy ™



ASTM C618 Testing of Jim Bridger Fly Ash

Sample Type: 3200-ton		Rep	ort Date: 6/	15/2011	
Sample Date: 4/15 - 4/26/11		MTI	RFID 79	7JB	
Sample ID: BR-028-11-T					
			ASTM I	Limits	ASTM Test
Chemical Analysis		·	Class F	Class C	Method
Silicon Dioxide (SiO2)	60.22	_%			
Aluminum Oxide (Al2O3)	18.20	_%			
Iron Oxide (Fe2O3)	4.42	%			
Sum of Constituents	82.84	_%	70.0% min	50.0% min	D4326
Sulfur Trioxide (SO3)	0.66	%	5.0% max	5.0% max	D4326
Calcium Oxide (CaO)	5.90	%			D4326
Moisture	0.15	_%	3.0% max	3.0% max	C311
Loss on Ignition	0.51	%	6.0% max	6.0% max	C311
Physical Analysis					
Fineness, % retained on #325	22.87	%	34% max	34% max	C311, C430
Strength Activity Index - 7 or 28 day requiren	nent				C311, C109
7 day, % of control	99	%	75% min	75% min	
28 day, % of control	96	%	75% min	75% min	. •
Water Requirement, % control	95	_%	105% max	105% max	
Autoclave Soundness	0.02	%	0.8% max	0.8% max	C311, C151
Density	2.35	<u> </u>			C311

Headwaters Resources certifies that pursuant to current ASTM C618 protocol for testing, the test data listed herein was generated by applicable ASTM methods and meets the requirements of ASTM C618 for Class F fly ash.

Bobby Bergnunn



MTRF Manager

Materials Testing & Research Facility 2650 Old State Highway 113 Taylorsville, Georgia 30178 P: 770.684.0102 F: 770.684.5114 www.headwaters.com



Aggregate Technical Services 1544 Stanley Boulevard Pleasanton, CA 94566

Telephone: (925) 249-6422 Fax: (925) 665-1550

April 14, 2011

CEMEX Ready Mix Attn: Bob Foley

Project Reference: General Information

We submit the typical test data below for your approval and as certification of the following product:

Source: Eliot #4403 SMARA : #91-01-0009 Product: 3/4" x #4 Gravel

U		S	Sieve
-	***		

% Passing

1" (2	25.0	mm)	100	
3/4"	(19.0	mm)	86 +/- 7	X-Value = 85
•	(12.5	mm)	39 +/- 11	
3/8"	(9.5	mm)	23 +/- 8	X-Value = 30
#4	(4.75	mm)	3 +/- 2	
#8	(2.36	mm)	1 +/- 1	

Cleanness Value (CTM-227) = 75 Minimum Durability (CTM-229) = 59 Sodium Soundness (C-88) = 5.1% LA Rattler (C-131) (500 revs) = 21.6% Lightweight Pieces (C-123) Coal & Lignite = 0.1% Chert & Shale = 0.4% Specific Gravity (Bulk SSD) = 2.68Absorption = 1.5 + / - 0.3% Clay Lumps & Friable Particles (C-142) = 0.3% Material Finer than #200 (C-117) = <1 Reactivity (ASTM C 289) = Innocuous

The above product complies wih ASTM C33, Size 57, and Caltrans Standard Specifications, May 2006, Section 90, 1" x #4 Coarse Aggregate.

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Antonio C. Fuentes Manager, Quality Control CEMEX

cc: Syl LaMacchia, Chris Mathias



Telephone: (925) 249-6422 Fax: (925) 665-1550

CEMEX Ready Mix Attn: Bob Foley

Project Reference: General Information

We submit the typical test data below for your approval and as certification of the following product:

Source: Eliot #4403 SMARA : #91-01-0009 Product: 3/8" x #4 Gravel

<u>U.S.</u>	Sieve		% Passing	
3/4″	(19.0	mm)	100	
1/2"	(12.5	mm)	99 +/- 1	
3/8"	(9.5	mm)	88 +/- 7	x value = 83
#4	(4.75	mm)	19 +/- 8	
#8	(2.36	mm)	1 +/- 1	
#16	(1.18	mm)	1 +/- 1	

Cleanness Value (CTM-227) = 75 Minimum Durability (CTM-229) = 47 Sodium Soundness (C-88) = 6.0%LA Rattler (C-131) (500 revs) = 24.3%Lightweight Pieces (C-123) Coal & Lignite = 0.1%Chert & Shale = 0.3%Specific Gravity (Bulk SSD) = 2.68Absorption = 1.5 + / - 0.3%Clay Lumps & Friable Particles (C-142) = 0.4%Material Finer than #200 (C-117) = <1Reactivity (ASTM C 289) = Innocuous

The above product complies with ASTM C33 Size 8, and CalTrans Standard Specifications, May 2006, Section 90, 3/8" x #8 Coarse Aggregate.

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Antonio C. Fuentes Manager, Quality Control CEMEX

cc: Syl LaMacchia, Chris Mathias



Telephone: (925) 249-6422 Fax: (925) 665-1550

CEMEX Ready Mix Attn: Bob Foley

Project Reference: General Information

We submit the typical test data below for your approval and as certification of the following product:

Source: Eliot #4403 SMARA : #91-01-0009 Product: Concrete Sand

U.	S	Si	e	v	е	

% Passing

3/8"	(9.5 mm)	100	
•	(4.75 mm)	99 +/- 1	
#8	(2.36 mm)	78 +/- 4	
#16	(1.18 mm)	50 +/- 5	X-Value = 55
#30	(600 µm)	30 +/- 5	X-Value = 34
#50	(300 µm)	14 +/- 4	X-Value = 16
#100	(150 µm)	4 +/- 2	
#200	(75 μm)	2 +/- 1	

Fineness Modulus = 3.25 Sand Equivalent = 75 Minimum Durability Index = 52 Sodium Soundness (C-88) = 3.8% Lightweight Pieces (C-123) Coal & Lignite = 0.1% Specific Gravity (Bulk SSD) = 2.67 Absorption = 1.8% +/- 0.3% Relative Mortar Strength (CTM-515) = 100% Clay Lumps & Friable Particles (C-142) = 0.7% Organic Impurities = Satisfactory Material Finer than #200 (C-117) = <3 Reactivity (ASTM C 289) = Innocuous

This product complies wih the Caltras Standard Specifications, May 2006; Section 90 for Fine Aggregate, and ASTM C-33 for Concrete Sand.

Antonio C. Fuentes Manager, Quality Control CEMEX

cc: Syl LaMacchia, Chris Mathias

Grace Construction Products

W.R. Grace & Co. - Conn. 293 Wright Brothers Avenue Livermore, CA 94550 T 925-443-9700 www.graceconstruction.com

6/10/2011

Erick Francisco Cemex 1544 Stanley Blvd Pleasanton, California 94566

Project Name: MISCELLANEOUS Product Selected: Daravair® 1000

This is to certify that the Daravair 1000, a Air–Entraining Agent, as manufactured and supplied by Grace Construction Products, W.R. Grace & Co. – Conn., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: C260, AASHTO: M154.

Daravair 1000 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.

The foregoing is in addition to and not in substitution for our standard Conditions of Sale attached.

herand Andres

Mike Gardner Western Region Technical Services Manager



Product Description

Daravair^{*} 1000 is a liquid air-entraining admixture that provides freeze-thaw resistance, yield control, and finishability performance across the full range of concrete mix designs. Daravair 1000 is a clean, light-orange product designed to generate specification-quality air systems. Based on a high-grade saponified rosin formulation, Daravair 1000 is chemically similar to vinsol-based products, but with increased purity and supply dependability. Daravair 1000 weighs approximately 8.5 lbs/gal (1.02 kg/L). Daravair 1000 does not contain intentionally added chloride.

<u>U</u>ses

Daravair 1000 air-entraining admixture may be used wherever the purposeful entrainment of air is required by concrete specifications. Formulated to perform across the entire spectrum of production mixes, Daravair 1000 generates quality, freeze-thaw resistant air systems in concrete conditions that include the following:

- · Low slump
- · Paving
- · Central mix
- · Extruded slip form
- · Mixes containing hot water and accelerators
- Precast

Product Advantages

- Rapid air build suitable for short mix cycles
- Can be used in wide spectrum of mix designs

- · High cement factor
- · Fly ash and slag
- Superplasticizers
- Manufactured sands

Performance

Air is incorporated into the concrete by the mechanics of mixing and stabilized into millions of discrete semi-microscopic bubbles in the presence of a specifically designed airentraining admixture such as Daravair 1000. These air bubbles act much like flexible ball bearings increasing the mobility, or plasticity and workability of the concrete. This can permit a reduction in mixing water with no loss of slump. Placeability is improved. Bleeding, plastic shrinkage and segregation are minimized.

Through the purposeful entrainment of air, Daravair 1000 markedly increases the durability of concrete to severe exposures particularly to freezing and thawing. It has also demonstrated a remarkable ability to impart resistance to the action of frost and de-icing salts as well as sulfate, sea and alkaline waters.



Addition Rates

There is no standard addition rate for Daravair 1000. The amount to be used will depend upon the amount of air required for job conditions, usually in the range of 4 to 8%. Typical factors which might influence the amount of air-entraining admixture required are temperature, cement, sand gradation, and the use of extra fine materials such as fly ash and microsilica. Typical Daravair 1000 addition rates range from ½ to 3 fl oz/100 lbs (30 to 200 mL/100 kg) of cement. Pretesting of concrete should be performed to confirm dosage rates required to achieve desired concrete performance.

The air-entraining capacity of Daravair 1000 is usually increased when other concrete admixtures are contained in the concrete, particularly water-reducing admixtures and water-reducing retarders. This may allow up to ²/₃ reduction in the amount of Daravair 1000 required.

Mix Adjustment

Entrained air will increase the volume of the concrete making it necessary to adjust the mix proportions to maintain the cement factor and yield. This may be accomplished by a reduction in water requirement and aggregate content.

Compatibility with Other Admixtures and Batch Sequencing

Daravair 1000 is compatible with most Grace admixtures as long as they are added separately to the concrete mix. In general, it is recommended that Daravair 1000 be added to the concrete mix near the beginning of the batch sequence for optimum performance, preferably by "dribbling" on the sand. Different sequencing may be used if local testing shows better performance. Please see Grace Technical Bulletin TB-0110, Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations for further recommendations. Daravair 1000 should not be added directly to heated water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. Please consult your Grace representative for guidance.

Packaging & Handling

Daravair 1000 is available in bulk, delivered by metered tank trucks and in 55 gal (210 L) drums. Daravair 1000 will freeze at about 30°F (-1°C) but its air-entraining properties are completely restored by thawing and thorough mechanical agitation.

<u>Copensing</u> Equipment

A complete line of accurate automatic dispensing equipment is available. These dispensers can be located to discharge into the water line, the mixer, or on the sand.

Specifications

Concrete shall be air entrained concrete, containing 4 to 8% entrained air. The air contents in the concrete shall be determined by the pressure method (ASTM Designation C231) or volumetric method (ASTM Designation C173). The air-entraining admixture shall be a completely neutralized rosin solution, such as Daravair 1000, as manufactured by Grace Construction Products, or equal. and comply with Standard Specification for Air-Entraining Admixtures (ASTM Designation C260). The air-entraining admixture shall be added at the concrete mixer or batching plant at approximately 1/2 to 3 fl oz/100 lbs (30 to 200 mL/100 kg) of cement, or in such quantities as to give the specified air contents.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

Daravair is a registered trademark of W. R. Grace & Co.-Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.–Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

This product may be covered by patents or patents pending. AIR-7G Printed in U.S.A. 5/09 Copyright 2007. W. R. Grace & Co.-Conn. FA/LVI/1M



Grace Construction Products

W.R. Grace & Co. - Conn. 293 Wright Brothers Avenue Livermore, CA 94550 T 925-443-9700 www.graceconstruction.com

6/10/2011

Erick Francisco Cemex 1544 Stanley Blvd Pleasanton, California 94566

Project Name: MISCELLANEOUS Product Selected: WRDA® 64

This is to certify that the WRDA 64, a Water Reducer, as manufactured and supplied by Grace Construction Products, W.R. Grace & Co. – Conn., is formulated to comply with the Specifications for Chemical Admixtures for Concrete, ASTM: C494, Type A, D, AASHTO: M194, Type A, D.

WRDA 64 does not contain calcium chloride or chloride containing compounds as a functional ingredient. Chloride ions may be present in trace amounts contributed from the process water used in manufacturing.

The foregoing is in addition to and not in substitution for our standard Conditions of Sale attached.

herand Aardius

Mike Gardner Western Region Technical Services Manager



WRDA[®] 64 Water-reducing admixture ASTM C494 Type A and D

Product Description

WRDA* 64 is a polymer based aqueous solution of complex organic compounds. WRDA 64 is a ready-to-use low viscosity liquid which is factory pre-mixed in exact proportions to minimize handling, eliminate mistakes and guesswork. WRDA 64 does not contain calcium chloride and weighs approximately 10.1 lbs/gal (1.21 kg/L).

WRDA 64 produces a concrete with lower water content (typically 8 to 10% reduction), greater plasticity and higher strength. It is used in ready-mix plants, block and concrete product plants, in lightweight and prestressed work wherever concrete is produced.

WRDA 64 also performs especially well in concrete containing fly ash and other pozzolans.

Finishability

The cement paste, or mortar, in WRDA 64 admixtured concrete has improved trowelability. The influence of WRDA 64 on the finishability of lean mixes has been particu-

Product Advantages

- Consistent water reduction and set times
- Improves performance concrete containing supplementary cementitious materials
- Produces concrete that is more workable, easy to place and finish
- High compressive and flexural strengths

larly noticeable. Floating and troweling, by machine or hand, imparts a smooth, close tolerance surface.

Addition Rates

The addition rate of WRDA 64 is 3 to 6 fl oz/ 100 lbs (195 to 390 mL/100 kg) of cement. Pretesting is required to determine the appropriate addition rate for Type A and Type D performance. Optimum addition depends on the other concrete mixture components, job conditions, and desired performance characteristics.

Compatibility with Other Admixtures and Batch Sequencing

WRDA 64 is compatible with most Grace admixtures as long as they are added separately to the concrete mix, usually through the water holding tank discharge line. In general, it is recommended that WRDA 64 be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows



better performance. Please see Grace Technical Bulletin TB-0110, *Admixture Dispenser Discharge Line Location and Sequencing for Concrete Batching Operations* for further recommendations. WRDA 64 should not come in contact with any other admixture before or during the batching process, even if diluted in mix water.

Pretesting of the concrete mix should be performed before use, and as conditions and materials change in order to assure compatibility, and to optimize dosage rates, addition times in the batch sequencing and concrete performance. For concrete that requires air entrainment, the use of an ASTM C260 airentraining agent (such as Daravair^{*} or Darex^{*} product lines) is recommended to provide suitable air void parameters for freeze-thaw resistance. Please consult your Grace representative for guidance.

Packaging & Handling

WRDA 64 is available in bulk, delivered by metered tank trucks, and in 55 gal (210 L) drums. It will freeze at about 28°F (-2°C), but will return to full strength after thawing and thorough agitation.

A complete line of accurate, automatic dispensing equipment is available. WRDA 64 may be introduced to the mix on the sand or in the water.

Specifications

Concrete shall be designed in accordance with *Standard Recommended Practice for Selecting Proportions for Concrete*, ACI 211.

The water-reducing (or water-reducing and retarding) admixture shall be WRDA 64, as manufactured by Grace Construction Products, or equal. The admixture shall not contain calcium chloride. It shall be used in strict accordance with the manufacturers' recommendations. The admixture shall comply with ASTM Designation C494, Type A water-reducing (or Type D water-reducing and retarding) admixtures. Certification of compliance shall be made available on request.

The admixture shall be considered part of the total water. The admixture shall be delivered as a ready-to-use liquid product and shall require no mixing at the batching plant or job site.

www.graceconstruction.com

North American Customer Service: 1-877-4AD-MIX1 (1-877-423-6491)

WRDA, Daravair and Darex are registered trademarks of W. R. Grace & Co.-Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.





APPENDIX B

Permits

Kalin∧ I

TRANSMISSION OK

TX/RX NO RECIPIENT ADDRESS DESTINATION ID ST. TIME TIME USE PAGES SENT RESULT 3913 914159280338 10/11 14:14 01'00 3 0K



Fax

То	David Garrison
Сотрапу	BAAQMD
Fax	415 928-0338
Pages	03 (inc. this page)
CC	

From	Andrew Lojo
Tel	510 663 4153
Fax	510 663-4141
Email	Andrew.lojo@AMEC.com
Sent by	AML
Date	10-11-11
Ref	
File name	•

Subject Revised/Resubmitted Soil Excavation Notice

Dear Mr. Garrison,

Attached is a revised/resubmitted soil excavation notice for a contaminated soil excavation project located in Dublin Ca. I previously faxed in a notice form on July 12, 2011 when we planned on starting the work on July 18, 2011. We subsequently identified a second area in the same building that also required excavation. The contaminants are the same, VOC's primarily consisting of chlorobenzene. Our new start date is October 17, 2011.

Please call me if you have any questions. We do not believe odors will be an issue because we are only excavating about 50 cubic yards per day, and the work will be inside a building.

This is located at the Crown Chevrolet site, 7544 Dublin Boulevard, in Dublin Ca.

Thanks

Andy Lojo Office 510 663 4153 Cell 510 703 5696

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		· · · · · · · · · · · · · · · · · · ·								
BAY AREA		· . ·		Notification Form						
BAYAREA AIRQUALITY MANAGEMENT DISTRICT	COMPLIANCE	& ENFORCEMENT DIV	'ISION	Regulation 8 Rule 40						
REMOVA	L OF UNDERGROUND S	STORAGE TANKS OR TREATMENT OF	CONTAMINA	ATED SOIL						
Site Address: 7544 Dub	SITE OF ACTIVITY Site Address: 7544 Dublin Boulevard City & Zip: Dublin, 94568 Site#: Specific Location of Project within Address: Service Area 2, oil water separator sump, and FE pit									
Owner/Operator: Crowr		5. Service Area 2, on water separato	i sump, and	<u>г с ри</u>						
		o regulation section requiring r	eporting).							
Tank Removal or Re		Contaminated Sc		and Removal (402)						
 Section 114 Exempt Section 115 Exempt 	; Date Pipeline Leak St ; Date Contamination U	, but does not meet Section 118 Exer tarted: Inrelated to UST Activities Discover ach results showing soil is not e	/ol. Of Soil: red:	(405)						
Name: Pacific States Env		TRACTOR INFORMATION Site Contact: Gary Overton		hone: 925 361-1427						
Address: 11555 Dublin E										
Scheduled Start Date:	AND ARREST AND A STOLEN. SO AN AND A STOLEN AND A	K REMOVAL (Section 401) Jumber and Size of Tank(s): non								
Explain Methods of:	lushing (310.1)									
	emoval (310.2)									
Vapor removal (310.3)	-	Water Displacement								
		ing or ventilation if tank size greater the state of the same of the second state of t								
COMPLETE INFORMATION BELOW OR ATTACH SAMPLE RESULTS SHOWING SOIL IS UNCONTAMINATED (310.4)										
	Prof. Resident States and	EXCAVATION AND REMOVA								
Scheduled Start Date: Purpose of Excavation:		Scheduled Completio	n Date. Nov							
Quantity of Soil: 320 cu	bic yards	Organic Content & Type:	VOCs to 100)ppm, mostly chloroben						
Methods used to quantif	fy and analyze soil: <u>E</u>									
Method of Stockpile Cor		uppressant (List Material Used):								
Method of Site Closure (
□ Backfilled 🔽	Contaminated Soil Rem									
Onsite Treatment (Describe): A/C or P/O #:										
Loaded Trucks Covered? (306.2) Ves No										
AERATION OF SOIL < 50 PPMW ORGANIC CONTENT (Section 403) You must submit a Permit Application and Risk Screening Analysis (Forms will be sent to you)										
You must submit a Permit	Application and Risk S									
	Contraction of the second s	DR BAAQMD USE ONLY	D -+	<u> </u>						
Fax/PM Date: Inv Req Date:	By: By:	Disp to I#: Area: Fwd to Supv.	Date:	By:						
	Uy.									

1127302-1 0028 09/30/2011 002 24 Permit Real Time 003568 \$124.00

Permit Type: REVISIONS / DEFERRED SUBMITTAL

Permit No.: BLDG-2011-01392

Application Date: 09/30/2011

Issue Date:

CITY OF DUBLIN

FIRE (925) 833-6606

Inspection Requests Require 24 Hour Notice



BLD (925) 833-6620

Building Permit

7544 DUBLIN BLVD Site Address: DUBLIN CA 94568-2902 Parcel / APN: 941-1500-015-09 COSTELLO TERRI TR Owner: Phone: Address: 571 HARTZ AVE Fax: DANVILLE CA 94568 . . PACIFIC STATES ENVIRONMENTAL C Phone: (925) 803-4333 **Contractor:** Address: 11555 DUBLIN BLVD Fax: Lic. Exp. Date: 09/30/2012 1ST FL DUBLIN, CA 94568-2854 ROBERT MC CARRICK Business Lic#: BL-003899 Phone: (925) 803-4333 Contact: **Description:** Adding an additional excavation pit. SUPPLEMENTAL INFORMATION: Gary Overton **Contact Name** 925-361-1427 **Contact Phone BUILDING PLAN CHECK HOURS** 1 FEES **REVISION / DEFER INITIAL FEE** 124.00 TOTAL FEES: 124.00

PUBLIC WORKS (925) 833-6630

CITY OF DUBLIN Building Permit

Permit No.: BLDG-2011-01392

Application Date: 09/30/2011

Issue Date: 10/07/2011

Permit Type: REVISIONS / DEFERRED SUBMITTAL

Inspection Requests BLD (925) 833-6620	Require 24 Hour Notice FIRE (925) 833-6606 PUBLIC WORKS (925) 8	33-6630	
Site Address:	7544 DUBLIN BLVD DUBLIN CA 94568-2902	Parcel / APN:	941-1500-015-09
Owner: Address:	COSTELLO TERRI TR 571 HARTZ AVE DANVILLE CA 94568	Phone: Fax:	
Contractor: Address:	PACIFIC STATES ENVIRONMENTAL C 11555 DUBLIN BLVD 1ST FL DUBLIN, CA 94568-2854	Phone: Fax: Lic. Exp. Date: Business Lic#:	
Contact:	ROBERT MC CARRICK	Phone:	(925) 803-4333
Description:	Adding an additional excavation pit.		
SUPPLEMENT			
Contact Name Contact Phone BUILDING PLAN	Gary Overton 925-361-1427 I CHECK HOURS 2		
FEES: REVISION / DEF	ER INITIAL FEE 124.00	BLDG ADDITIONA	
		BLUG ADDITIONA	L PC HRS 124.00
			TOTAL FEES: 248.00
			TOTALT LLO. 240.00

Permit No.: BLDG-2011-00835

Application Date: 06/27/2011

Issue Date: 08/19/2011

Permit Type: Commercial Alteration / Tenant Improvement

Inspection Requests BLD (925) 833-6620	Require 24 Hour Notice FIRE (925) 833-6606 P	UBLIC WORKS (925) 833	-6630		Improvement
Site Address:	7544 DUBLIN BLVD DUBLIN CA 94568-29	02	Valuation: \$ Parcel / APN:	140,380.00 941-1500-015-09	
Owner: Address:	COSTELLO TERRI TR 571 HARTZ AVE DANVILLE CA 94568	2	Phone: Fax:		
Contractor: Address: Contact:	PACIFIC STATES ENV 11555 DUBLIN BLVD 1ST FL DUBLIN, CA 94568-28 ROBERT MC CARRIC	354	Fax: Lic. Exp. Date: Business Lic#:		
Description:	Excavation and remove	al of existing sump an	d contaminated mat	terial.	
SUPPLEMENT					
SQUARE FOOT FIRE SPRINKLE OCCUPANCY T OCCUPANT LO BUILDING COD CONSTRUCTIC Contact Name Contact Phone TENANT NAME	AGE ERS YPE AD E CYCLE IN TYPE	150 13 STORAGE S-1 0 2010 TYPE 5B Gary Overton 925-872-6312 AMEC Geomatrix			
TENANT PHON PRE PLAN CHE		510-663-4141 140380			
Plan Storage Fe	C BLDG REFERRAL	884.00 220.00 10.00 6.00 150.00	FIRE NEW BLDG BUILDING PERMI SMIP - Commercia C&D Compliance	al	100.00 1,326.00 29.48 630.00
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CITY OF DUBLIN Building Permit

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CITY OF DUBLIN .

100 Civic Plaza, Dublin, California 94568

BUILDING & SAFETY DIVISION

Website: <u>http://www.dublin.ca.gov</u> Phone: **(925) 833-6620** Fax: (925) 833-6628

July 06, 2011

FINAL REVIEW BLDG2011-00835

Gary Overton Pacific States Environmental Contractors (925)663-4141

Re: Plan Review: Excavation and removal of existing sump & contaminated material Sump to be reconnected at same location Address: 7544 Dublin Blvd

Dear Applicant:

The City of Dublin has completed a final review of the following documents:

1. Plans: One (1) site plan.

2. <u>Documents.</u>: One (1) copy each. Geotechnical Report by Cornerstone Earth Group, Concrete mix, etc. by Cemex, Cement test report by Lehigh, Other information by W.R. Grace & Co., Oil Separator specification sheet of oil water separator utility vault by Oldcastle Precast & slab repair page.

These documents were reviewed only for their conformance to the 2010 California Building, Mechanical, Plumbing, and 2008 Energy Codes. (i.e., 2009 I.B.C., 2009 U.M.C., AND 2009 U.P.C. as amended by the State of California), and the 2010 California Electrical Code (2008 N.E.C. as amended by the State of California) unless otherwise noted.

Please note that our review has been completed and we have no comments, however, we bring the following to your attention:

Applicant to fill out deferred submittal form to indicate that information of the company to haul and receive the contaminated soils are approved for this service will be submitted to the building dept. for review before any soil is removed from the site.

Sinderely,

Greg Shriver Consultant Plan Check Engineer City of Dublin Dublin, Ca. 94568

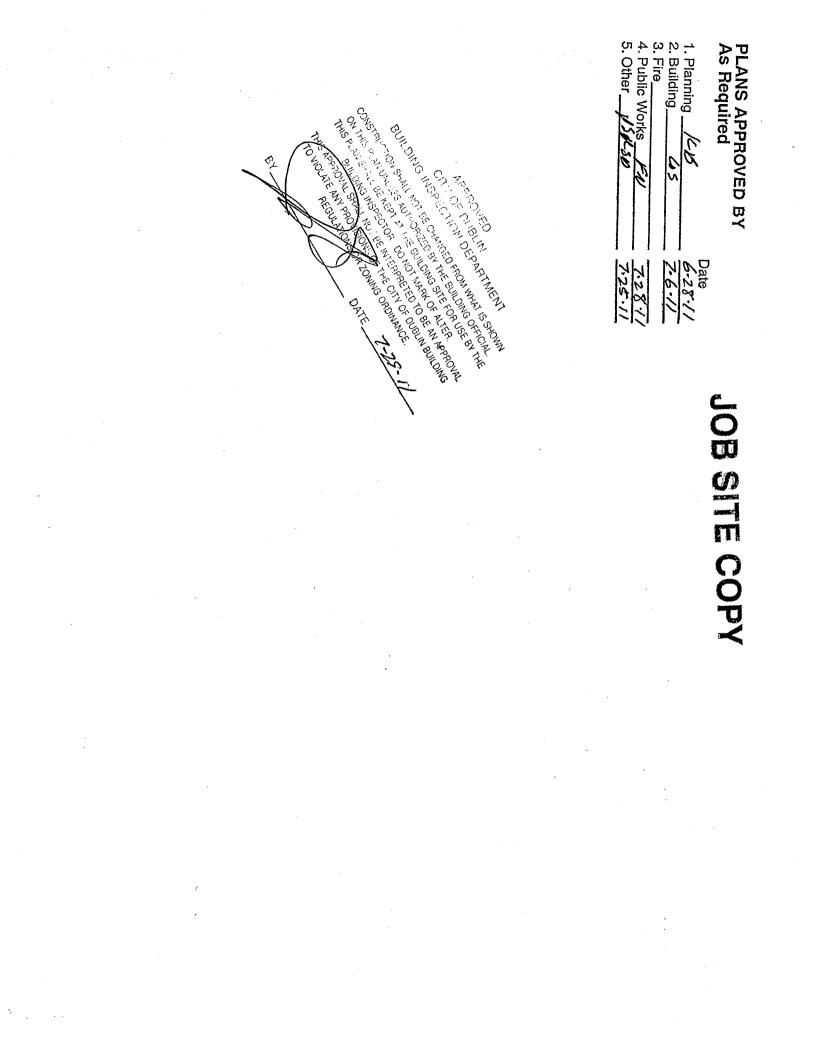
City of Dublin

Building and Safety Division 100 Civic Plaza, Dublin, CA 94568 (925) 833-6620 www.ci.dublin.ca.us

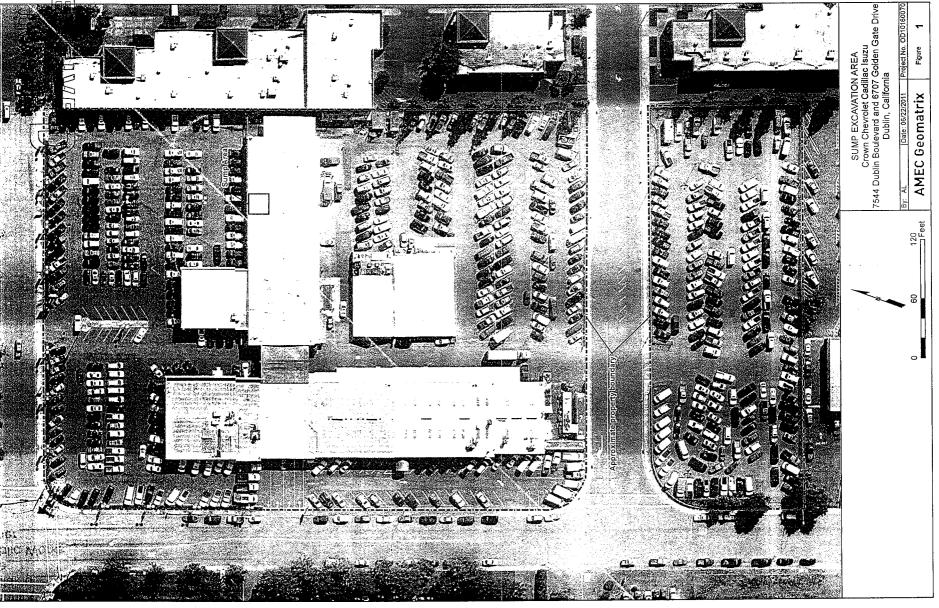
INSPECTION RECORD

Permit Number:BLDG-2011-00835Permit Type:Commercial Alteration / Tenant ImprovementIssue Date:08/19/2011Date Printed:08/19/2011

POST THIS CARD AT OR NEAR FRONT OF BUILDING FOR NEXT BUSINESS DAY INSPECTION CALL BY 4:00 PM, M-F Date Insp. Status Building Building 7544 DUBLIN BLVD Address UNDERGROUND PLUMBING UNDER GROUND ELECTRICAL COSTELLO TERRI TR Phone: **Owner Name** and Address 571 HARTZ AVE Fax: FOUNDATION / PIERS / SLAB DANVILLE, CA 94568 FIRE SPRINKLERS - FIRE PREVENTIC PACIFIC STATES Phone: (925) 803-4333 Contractor ROUGH PLUMBING Name and ENVIRONMENTAL C Fax: (925) 803-4334 ROUGH MECHANICAL Address 11555 DUBLIN BLVD ROUGH ELECTRICAL State Lic. 723241 City Lic. #: BL-003899 а ROUGH FRAME & Classif. WALL INSULATION **Proposed Construction:** DRYWALL 1ST LAYER Excavation and removal of existing sump and contaminated material. GAS TEST CEILING OR ROOF INSULATION ABOVE CEILING PLUMBING ABOVE CEILING ELECTRICAL ABOVE CEILING MECHANICAL ABOVE CEILING FRAMING T-BAR GRID Plan Garage Sq. Ft. Tract Lot Liv. Sq. Ft. ELECTRICAL METER RELEASE ENERGY REPORTS 150 FINAL DSRSD 925-828-0515 FINAL POLICE 925-833-6686 FINAL PUBLIC WORKS 925-833-6630 FINAL PLANNING 925-833-6610 FINAL FIRE PREVENTION 925-833-660 FINAL PLUMBING FINAL MECHANICAL FINAL ELECTRICAL **FINAL BUILDING** GAS METER RELEASE OCCUPANCY GRANTED PERMIT FINAL



Submit the name and information on the hauler and receiver of the contaminated soils showing that they are qualified to haul and store the contaminated soils to the Building Dept. for review and approval before any soil is removed from the site.





BUILDING & SAFETY DIVISION

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in Ci

Plan Review Comments: 833-6620

BUILDING

DUE: 07/12/11

1st Check Plan Check # BLDG-2011-00835

Job Address:	7544 Dublin	Bl-Auto Deale	ership		Valuation: \$140,380.00	Bin#: File
Job Description:	Commercial Al	teration-Excavat	e and removal of	existing	sump and conta	aminated soil
First Plan Check Date	6/27/11	Dat	e:	By:		Not Approved
Resubmittal 2 Date:				By:		Not Approved
Resubmittal 3 Date:		- ·		By:		Not Approved
Resubmittal 4 Date:				By:		Not Approved
Resubmittal 5 Date: Plans Approved By:			Lal-	Date:	36/11	
Parcel in Flood Zone Elevation Survey red Geotechnical Revie Forms needed befor Hazardous Mat Waste Manage ADDITIONAL DEPA	uired? Yes w? //Yes e issuance of bld erial Disclosure S ment Plan packe RTMENT COOR	No R No @ ho g. Permit:N StatementO t (100K and ove	commercial/Resid	ent Zor ential S De	e Special	ments
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PLAN REVIEW CON	AMENTS:				· · · · ·	
· · · · · · · · · · · · · · · · · · ·	·					

Plan Review Comments: 833-6610

PLANNING

DUE: 07/12/11

	1 st Cł	neck Plan Che	ck # BLDG-2011	-00835		Kristi	
Job Address:	7544 Dublin I	Bin#: File					
Job Description:	Commercial Alteration-Excavate and removal of existing sump and contaminated soil						
First Plan Check Date	6/27/11	Dat	e:	By:		Not Approved	
Resubmittal 2 Date:				By:		Not Approved	
Resubmittal 3 Date:	· .	-		Bý:		Not Approved	
Resubmittal 4 Date:				Ŗу:		Not Approved	
Resubmittal 5 Date: Plans Approved By:		,		Date:			
Plans Approved:	Without further c	omment 🗅 W	ith conditions liste	ed By:_	13	Date: <u>6 28 </u> 1	
ADDITIONAL DEPA	RTMENT COORI	DINATION:	an a sana a san na ang pangang ang pangang pangang pangang pangang pangang pangang pangang pangang pangang pang				
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Permit No.: BLDG-2011-00835

Application Date: 06/27/2011

Issue Date: 08/19/2011

Permit Type: Commercial Alteration / Tenant Improvement

nspection Requests I 3LD (925) 833-6620	Require 24 Hour Notice FIRE (925) 833-6606	PUBLIC WORKS (925) 833-66			
Site Address:	7544 DUBLIN BLVD DUBLIN CA 94568) -2902	Valuation: \$ Parcel / APN:	140,380.00 941-1500-015-09	
Owner: Address:	COSTELLO TERRI 571 HARTZ AVE DANVILLE CA 945		Phone: Fax:		
Contractor: Address: Contact:	11555 DUBLIN BLV 1ST FL DUBLIN, CA 9456 ROBERT MC CAR	8-2854 RRICK	Fax: Lic. Exp. Date: Business Lic# Phone	: 09/30/2011 : BL-003899 : (925) 803-4333	
Description:	Excavation and rer	moval of existing sump and	contaminated ma		
SQUARE FOO FIRE SPRINKI OCCUPANCY OCCUPANT L BUILDING CO CONSTRUCT Contact Name Contact Phone TENANT NAM	LERS TYPE OAD DE CYCLE ION TYPE	150 13 STORAGE S-1 0 2010 TYPE 5B Gary Overton 925-872-6312 AMEC Geomatrix 510-663-4141 140380			
Plan Storage	FEE PC BLDG REFERR	6.00	FIRE NEW BLE BUILDING PEF SMIP - Comme C&D Compliand	rcial	
	· .				
				тот	TAL FEES: 3,355.48
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CITY OF DUBLIN

Building Permit

From: Greg Shriver

Sent: Wednesday, July 13, 2011, 9:15 am

To: Gary Overton

Cc: Gregory Shreeve

Subject: Auto Dealership Plan Review BLDG 201100835

Attachments: 7544 Dublin Blvd - 1st check comments

Please find attached the plan check comments from 7544 Dublin Blvd -auto Dealership. When you have revised the plans, please resubmit to the Building Division front counter Monday through Friday between 8am and 5pm. If you have any questions about these comments, please contact each department directly.

Thank you,

Greg Shriver Consultant Plan Review Engineer Community Development Dept. City of Dublin 100 Civic Plaza Dublin, CA. 94568 (925)833-6620 (925)833-6628 fax greg.shriver@dublin.ca.gov

1127302-1 0028 09/30/2011 002 24 Permit Real Time 003568 \$124.00

Permit No.: BLDG-2011-01392

Application Date: 09/30/2011

Issue Date:

CITY OF DUBLIN



Building Permit

Permit Type: REVISIONS / DEFERRED SUBMITTAL

Spection Requests	Require 24 Hour Notice FIRE (925) 833-6606	PUBLIC WORKS (925) 833-	6630	
Site Address:	7544 DUBLIN BLVD DUBLIN CA 94568-		Parcel / APN:	941-1500-015-09
Owner: Address:	COSTELLO TERRI 571 HARTZ AVE DANVILLE CA 9450		Phone: Fax:	
Contractor: Address:	PACIFIC STATES E 11555 DUBLIN BLV 1ST FL DUBLIN, CA 94568		Phone: Fax: Lic. Exp. Date: Business Lic#:	(925) 803-4333 09/30/2012 BL-003899
Contact:	ROBERT MC CARF	NCK		(925) 803-4333
Description:	Adding an additiona	excavation pit.		
SUPPLEMENT		Gary Overton		
Contact Phone	N CHECK HOURS	925-361-1427		
	CHECK HOOKS	1		
	·			
EES: REVISION / DEF	ER INITIAL FEE	124.00		
		•		
		· ·		TOTAL FEES: 124.00

AA

Permit No.: BLDG-2011-01392

Application Date: 09/30/2011 Issue Date: 10/07/2011

Permit Type: REVISIONS / DEFERRED SUBMITTAL

Inspection Requests Require 24 Hour Notice BLD (925) 833-6620 FIRE (925) 833-6606 PUBLIC WORKS (925) 833-6630 Site Address: 7544 DUBLIN BLVD DUBLIN CA 94568-2902 Parcel / APN: 941-1500-015-09 **Owner:** COSTELLO TERRI TR Phone: Address: 571 HARTZ AVE Fax: DANVILLE CA 94568 PACIFIC STATES ENVIRONMENTAL C Phone: (925) 803-4333 Contractor: Address: 11555 DUBLIN BLVD Fax: Lic. Exp. Date: 09/30/2012 1ST FL Business Lic#: BL-003899 DUBLIN, CA 94568-2854 Contact: ROBERT MC CARRICK Phone: (925) 803-4333 **Description:** Adding an additional excavation pit. SUPPLEMENTAL INFORMATION: **Contact Name** Gary Overton 925-361-1427 **Contact Phone BUILDING PLAN CHECK HOURS** 2 FEES: **BLDG ADDITIONAL PC HRS REVISION / DEFER INITIAL FEE** 124.00 124.00 TOTAL FEES: 248.00



CITY OF DUBLIN Building Permit

Date: Project No.:	June 24, 2011 319-2-1
Prepared For:	Mr. Peter Timmerman PACIFIC STATES ENVIRONMENTAL CONTRACTORS 11555 Dublin Blvd. Dublin, California 94568
Re:	Geotechnical Consultation Crown Chevrolet Sump Excavation 7544 Dublin Boulevard Dublin, California

Dear Mr. Timmerman:

CORNERSTONE EARTH GROUP

As requested, this letter presents the results of our geotechnical review of the proposed sump excavation proposed for the above referenced project. Our services were performed in accordance with our agreement dated June 20, 2011.

For our review, we received the following documents:

- A document titled, "Sump Remediation Work Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, CA," prepared by AMEC Geomatrix dated April 18, 2011.
- A document titled, "Request for Proposal to Implement Sump Remediation Activities, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, CA," prepared by AMEC Geomatrix dated May 18, 2011.
- A set of building plans titled, "New Sales and Service Facility for Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1968.
- A set of building plans titled, "Proposed New Showroom and Remodel of Existing Facilities, Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1994.

Project Background

The project will consist of excavating impacted soil from within the interior of the former auto service building. The scope of work was summarized in the Sump Remediation Work Plan prepared by AMEC Geomatrix, which included plan and cross section views of the proposed sump excavation area. The work plan also included soil boring and Cone Penetration Test logs performed by AMEC and others around the sump area. The existing sump is reportedly 2.5 by 5 feet in plan and extends approximately 3.5 feet below the existing floor level. Pacific States Environmental proposes to remove a portion of the existing concrete slab-on-grade, remove the existing concrete sump, and excavate impacted soil from around the sump to a maximum depth of approximately 16 feet. The minimum lateral dimensions of the excavation area are reported to be approximately 10 by 15 feet.

1259 Oakmead Parkway | Sunnyvale, CA 94085 T 408 245 4600 | F 408 245 4620 2737 North Main Street, Suite 10 | Walnut Creek, CA 94597 T 925 988 9500 | F 925 988 9501



Due to the proximity of existing interior walls and exterior walls or columns relative to the proposed excavation, Pacific States proposes to excavate the soil in narrow sections (slots) approximately 18 inches wide. The slots will be excavated in an alternating pattern to reduce the potential for settlement or lateral movement of the adjacent foundations and existing slab-on-grade, and to reduce the potential for sidewall instability. The slot excavations will reportedly be backfilled with a Controlled Density Fill (CDF) and capped with compacted based material. We understand that temporary shoring for the excavation or underpinning for the existing building are not proposed or anticipated at this time.

Our services were limited to reviewing the proposed excavation plan based on available subsurface data collected at the site by others, reviewing the existing foundation plans, and providing supplemental recommendations regarding the proposed excavation phasing plan, as summarized below.

Site Conditions

Based on our review of the building plans, the existing steel-frame building is supported by exterior steel columns and roof beams spaced at approximately 24 feet on center. The roof beams span the entire width of the building, so no interior columns are present. The exterior columns are supported on isolated spread footings approximately 5½ to 7 feet long and 21 inches wide. Interior footings for the interior wall adjacent to the sump (former exterior wall) are approximately 18 inches wide by 30 inches long and support interior pipe columns. Footings were reportedly designed in accordance with the 1961 Uniform Building Code for a maximum allowable bearing pressure of 1,500 pounds per square foot. Interior and exterior walls are supported on thickened concrete edges or pads approximately 12 wide by 12 inches thick.

Based on our review of the boring and CPT data previously collected by others, the sump structural section consists of the approximately 4- to 6-inch-thick existing concrete slab-on-grade underlain by up to 3 inches of aggregate base. The slab section is underlain by 3 to 5 feet of undocumented fill consisting of medium dense clayey sand and stiff sandy lean clay. The fill is underlain by native alluvial soil consisting of medium stiff to stiff silty clay and lean clay with sand to the maximum depth explored at 20 feet. The stiffness of the native clay appeared to decrease at a depth of approximately 11 to 15 feet, which corresponds to the increase in moisture near the ground water level.

Ground water was previously encountered by others at depths ranging from approximately 12 to 14 feet below the main floor level.

Recommendations

Based on our review of the available subsurface data and our understanding of the proposed sump excavation, from a geotechnical viewpoint, the proposed phased sump excavation is suitable and temporary shoring will not be required. The primary geotechnical concern is the potential for lateral movement of the existing exterior column footing that could occur if the entire excavation were to be performed simultaneously or if the excavation were to be left open for a long period of time. Since a phased, narrow slot approach is to be utilized for the sump excavation project, in our opinion, the potential for lateral foundation movement should be adequately mitigated. We recommend that the sump excavation and backfilling consider the following items:



- 1. The width of each slot excavation adjacent to interior and exterior walls should be limited to no more than 18 inches when the edge of the excavation is located within 5 feet of a footing or wall.
- 2. The edge of slot excavations that are greater than 5 feet from an existing wall or footing should be no greater than 5 feet wide, as measured parallel to the wall or footing.
- 3. Slot excavations that extend up to the edge of the existing 18 by 30 inch pipe column footing should not be made directly in front of the footing, but should be offset so that no more than one-half the footing is exposed at any time.
- 4. Existing footings, if exposed, should not be undermined during excavation.
- 5. Slot excavations should be separated by at least 36 inches (measured from edge to edge of adjacent trenches) of undisturbed soil or previously placed CDF that has cured at least 24 hours. Slot trenches should not be cut adjacent to CDF that has cured less than 24 hours. Depending on the CDF mix design, it may be necessary to increase the cure time of the CDF, especially below the ground water table.
- 6. Slot excavations should be performed and backfilled on the same day to reduce the potential for lateral soil movement.
- Due to presence of shallow ground water, the excavation may be susceptible to minor localized sloughing or caving. Therefore, Pacific States should be prepared to temporarily stabilize or backfill excavations if excessive sloughing or caving soils are encountered.
- 8. If ground water cannot be removed from the trenches prior to placing CDF, the CDF should be placed by tremie methods to keep the water from mixing with the CDF.
- 9. If existing footing edges are exposed, CDF should be used to backfill up to at least 3 inches above the bottom of the footing.
- 10. A pre-construction survey and/or photo-documentation of the existing facility should be performed prior to beginning the excavation.
- 11. If shallow sloughing or caving occurs beneath existing slab-on-grade or footing areas due to raveling of dry, cohesionless soils (e.g. underslab granular base or undocumented fill), the voids should be adequately backfill with CDF or other compacted fill material to reduce the potential for future settlement. This may require cutting the existing slab-on-grade back further and sloping the upper 3 to 5 feet of the excavation back at 1:1 (horizontal:vertical).
- 12. Due to potential variable subsurface conditions in the excavation area, modifications to the phased excavation plan may be required in the field during construction based on actual conditions encountered.
- 13. Construction personnel should not enter the slot excavations at any time unless temporary shoring is first installed in accordance with applicable OSHA requirements.

Closure

We hope this provides the information you need at this time. Recommendations presented in this letter have been prepared for the sole use of Pacific States Environmental Contractors specifically for the property at 7544 Dublin Boulevard in Dublin, California. Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices at this time and location. No warranties are either expressed or implied.

CORNERSTONE EARTH GROUP

If you have any questions or need any additional information from us, please call and we will be glad to discuss them with you.

Sincerely,

Cornerstone Earth Group, Inc. John R. Dye, P.E., G.E.

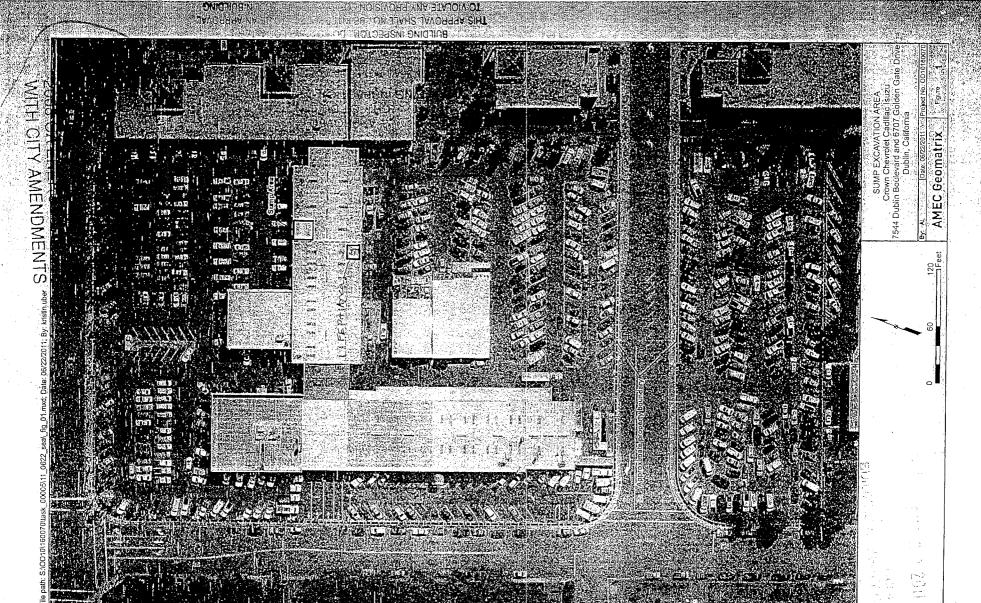
Principal Engineer

LCK:JRD

Copies: Addressee (1 by email)



78 11/5-10/ BONN REGULATIONS





IND CITE CODV

OIS

Date: Project No.:	September 29, 2011 319-2-1
Prepared For:	Mr. Gary Overton PACIFIC STATES ENVIRONMENTAL CONTRACTORS 2011 11555 Dublin Blvd. Dublin, California 94568 Contractoriael Consolution
Re:	Geotechnical Consultation Crown Chevrolet Front End Pit Excavation 7544 Dublin Boulevard Dublin, California

Dear Mr. Overton:

CORNERSTONE EARTH GROUP

As requested, this letter presents the results of our supplemental geotechnical review of the proposed Front End (FE) Pit excavation proposed for the above referenced project. Our services were performed in accordance with our agreement dated September 28, 2011. As you know, we provided geotechnical consultation services for the sump excavation and presented our findings in our letter dated June 24, 2011.

For our review, we received the following documents:

 A document titled, "FE Pit Excavation Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard, Dublin, CA," prepared by AMEC dated September 21, 2011.

Previous documents reviewed as part of our evaluation of the FE Pit excavation included:

- Miscellaneous boring and Cone Penetration Test logs from various locations within the existing building performed AMEC and others.
- A set of building plans titled, "New Sales and Service Facility for Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1968.
- A set of building plans titled, "Proposed New Showroom and Remodel of Existing Facilities, Crown Chevrolet, Dublin, CA," prepared by CSB Construction Inc. dated February 1994.

Project Background

The project will consist of excavating impacted soil from within the interior of the former auto service building, which will also include the former FE Pit area in addition to the sump pit area. The excavation plan prepared by AMEC included plan and cross section views of the proposed FE Pit excavation area. The FE pit originally consisted of a 12 by 14 foot by 4 foot deep concrete pit. The pit was reportedly abandoned and backfilled with pea gravel and topped with a 6 inch thick concrete slab. We understand that Pacific States Environmental will remove the 6 inch slab and a portion of the surrounding concrete slab-on-grade, remove the existing FE Pit backfill, and excavate impacted soil from below the FE pit to a maximum depth of approximately

1259 Oakmead Parkway | Sunnyvale, CA 94085 T 408 245 4600 | F 408 245 4620

2737 North Main Street, Suite 10 | Walnut Creek, CA 94597 **1** 925 988 9500 | **F** 925 988 9501

CORNERSTONE EARTH GROUP

12 feet. The minimum lateral dimensions of the excavation area are anticipated to be approximately 14 by 15 feet.

Due to the proximity of existing interior walls and exterior walls or columns relative to the proposed excavation, we understand that Pacific States proposes to excavate the soil in narrow sections (slots) approximately 18 inches wide, similar to the methodology proposed for the nearby sump pit excavation. The slots will be excavated in an alternating pattern to reduce the potential for settlement or lateral movement of the adjacent foundations and existing slab-on-grade, and to reduce the potential for sidewall instability. The slot excavations will reportedly be backfilled with a Controlled Density Fill (CDF) and capped with compacted based material. We understand that temporary shoring for the excavation or underpinning for the existing building are not proposed or anticipated at this time.

Our services were limited to reviewing the proposed excavation plan based on available subsurface data collected at the site by others, reviewing the existing foundation plans, and providing supplemental recommendations regarding the proposed excavation phasing plan, as summarized below.

Site Conditions

Based on our review of the building plans, the existing steel-frame building is supported by exterior steel columns and roof beams spaced at approximately 24 feet on center. The roof beams span the entire width of the building, so no interior columns are present. The exterior columns are supported on isolated spread footings approximately 5½ to 7 feet long and 21 inches wide. Interior footings for the interior wall adjacent to the FE Pit (former exterior wall) are approximately 18 inches wide by 30 inches long and support interior pipe columns. Footings were reportedly designed in accordance with the 1961 Uniform Building Code for a maximum allowable bearing pressure of 1,500 pounds per square foot. Interior and exterior walls are supported on thickened concrete edges or pads approximately 12 inches wide by 12 inches thick.

Based on our review of the boring and CPT data previously collected by others inside the building, the slab section is generally underlain by 3 to 5 feet of undocumented fill consisting of medium dense clayey sand and stiff sandy lean clay. The fill is underlain by native alluvial soil consisting of medium stiff to stiff silty clay and lean clay with sand to the maximum depth explored at 20 feet. The stiffness of the native clay appeared to decrease at a depth of approximately 11 to 15 feet, which corresponds to the increase in moisture near the ground water level.

Ground water was previously encountered by others at depths ranging from approximately 12 to 14 feet below the main floor level.

Recommendations

Based on our review of the available subsurface data and our understanding of the proposed FE Pit excavation, from a geotechnical viewpoint, the proposed phased excavation is suitable and temporary shoring will not be required. The primary geotechnical concern is the potential for lateral movement of the existing exterior column footing that could occur if the entire excavation were to be performed simultaneously or if the excavation were to be left open for a long period of time. Since a phased, narrow slot approach is to be utilized for the FE pit

E CORNERSTONE EARTH GROUP

excavation, in our opinion, the potential for lateral foundation movement should be adequately mitigated. We recommend that the FE Pit excavation and backfilling consider the following items:

- 1. The width of each slot excavation adjacent to interior and exterior walls should be limited to no more than 18 inches when the edge of the excavation is located within 5 feet of a footing or wall.
- 2. The edge of slot excavations that are greater than 5 feet from an existing wall or footing should be no greater than 5 feet wide, as measured parallel to the wall or footing.
- 3. Slot excavations that extend up to the edge of the existing 18 by 30 inch pipe column footing should not be made directly in front of the footing, but should be offset so that no more than one-half the footing is exposed at any time.
- 4. Existing footings, if exposed, should not be undermined during excavation.
- 5. Slot excavations should be separated by at least 36 inches (measured from edge to edge of adjacent trenches) of undisturbed soil or previously placed CDF that has cured at least 24 hours. Slot trenches should not be cut adjacent to CDF that has cured less than 24 hours. Depending on the CDF mix design, it may be necessary to increase the cure time of the CDF, especially below the ground water table.
- 6. Slot excavations should be performed and backfilled on the same day to reduce the potential for lateral soil movement.
- Due to presence of shallow ground water, the excavation may be susceptible to minor localized sloughing or caving. Therefore, Pacific States should be prepared to temporarily stabilize or backfill excavations if excessive sloughing or caving soils are encountered.
- 8. If ground water cannot be removed from the trenches prior to placing CDF, the CDF should be placed by tremie methods to keep the water from mixing with the CDF.
- 9. If existing footing edges are exposed, CDF should be used to backfill up to at least 3 inches above the bottom of the footing.
- 10. A pre-construction survey and/or photo-documentation of the existing facility should be performed prior to beginning the excavation.
- 11. If shallow sloughing or caving occurs beneath existing slab-on-grade or footing areas due to raveling of dry, cohesionless soils (e.g. underslab granular base or undocumented fill), the voids should be adequately backfill with CDF or other compacted fill material to reduce the potential for future settlement. This may require cutting the existing slab-on-grade back further and sloping the upper 3 to 5 feet of the excavation back at 1:1 (horizontal:vertical).
- 12. Due to potential variable subsurface conditions in the excavation area, modifications to the phased excavation plan may be required in the field during construction based on actual conditions encountered.
- 13. Construction personnel should not enter the slot excavations at any time unless temporary shoring is first installed in accordance with applicable OSHA requirements.

Closure

We hope this provides the information you need at this time. Recommendations presented in this letter have been prepared for the sole use of Pacific States Environmental Contractors specifically for the property at 7544 Dublin Boulevard in Dublin, California. Our professional



services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices at this time and location. No warranties are either expressed or implied.

If you have any questions or need any additional information from us, please call and we will be glad to discuss them with you.

Sincerely,

Cornerstone Earth Group, Inc.

John R. Dye, P.E., G.E Principal Engineer

Copies: Addressee (1 by email)



ENGINEE1 Customer Name:	CING DEFARINGNT FEE		R CITY OF DUBLIN (water & sewer) & CIT Permit Number: LCP II - C			PZI		
Address:	7544 Dublin Blvd. Dublin Altn: Andrew Lojo / Gary Overton			escription/Location:	Replacement of greas sewer and water conn	e Interceptor a	nd disconnection of	
-			 		······			
Phone:	F/	AX:		Unit	Total	Code	For Accounting	
Description			Qty	Cost	Amount	Section	Usa Only	
ROJECT PLANNING AN	D REVIEW FEES:		HANKANDIN					
Water Water and Sewer -	Two Services (check below):			See paga 2 See paga 2		3.70.070 3.70.070	620.1.320.00 220/ 620.1.320.00	
	🛛 Recycled Water 🔲 Polabla Water	r 🖬 Sewer					Split depends on service	
Sewer - Other Water and Sewer - 1	hree Services			See page 2 See page 2	\$2,160.00	3.70.070 (B) 3.70.070	220.1.320.00 220 (25%)/ 620.1.320.00 (76	
Recycled Water - Inic	ation System			Sea paga 2	······································	3.70.070 (A)	620,1.320.00	
SPECTION FEES								
Sewer: Appurtenant structure	installation			See page 2		3.70.070 (B)	220.1.310.10	
New grease Intercept	or grease/sand trap		1	\$305	\$305.00	3.70.070 (B)	220.1.310.10	
Repairs or minor alter Saddle or manhole co			·	\$245 \$365		3.70.070 (B) 3.70.070 (B)	220.1.310.10 220.1.310.10	
Sewer, house installal				\$245		3.70.070 (B)	220.1,310.10	
Sewer, lateral Installal	ion			\$245		3.70.070 (B)	220.1.310.10	
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Sewer main air retest	each w/o TV Inspection		5	\$245	······	3.70.070 (B)	220.1.310.10	
Sewer MH vacuum re	est			\$120		3.70.070 (B)	220.1.310.10	
Water: Backflow device		2 1 2011		\$245		3.70.070 (A)	620.1.310.10	
Blow-off/air relief valve		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		\$245		3.70.070 (A) 3.70.070 (A)	620.1.310.10	
File hydrant Installatio		6.		\$365		3.70.070 (A)	620.1.310.10	
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Water line service inst	allation			\$490		3.70.070 (A)	620.1.310.10	
Water main (Bacteriol	gical Testing Required)			See pege 2		3.70.070 (A)	620.1.310.10	
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Single Family Reside	ince			\$1,710		3.70.010	210 (50.7%) 220.2 220.10 (49.3	
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All others based on p Water System:	eax monut now			See paga 2		3,70,010	210 (00.13)/ 220.2.220.10 (48.4	
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1-1/2-inch turbo	12	-		\$266,760	•	3.70.010	600.207.25	
2-inch lurbo	16	-		\$355,680		3,70.010	600.207.25	
3-Inch turbo	35 100	-		\$778,050		3.70.010 3.70.010	600.207.25	
	:00			\$2,223,000		G.10.010		
4-Inch turbo						F	ORM: FFD 2	

DUBLIN SAN RAMON SERVICES DISTRICT



7051 Dublin Boulevard Dublin, CA 94568 FAX 925 829-1180 925 828-0515

LIMITED CONSTRUCTION PERMIT NO. LC 11 - 021

The Dublin San Ramon Services District ("DISTRICT"), pursuant to the provisions of Article 2, Chapters 6 & 7 of District Code, hereby grants a Limited Construction Permit ("Permit") to <u>Pacific States</u> <u>Environmental Contractors Inc</u> ("Permittee") for the purpose of constructing, installing, altering, maintaining or repairing customer facilities proposed to be connected, or already connected, to District water and/or wastewater facilities ("Work") within District at <u>Crown Chevrolet</u>, 7544 Dublin Blvd for grease interceptor and disconnection of sewer and water to car wash.

Permit is granted subject to the following conditions:

- 1. <u>General Provisions</u>. The Permittee shall comply with and perform all covenants, agreements, and conditions set forth in the attached "General Terms and Conditions for Limited Construction Permits (For Work Performed Solely on Customer Facilities Connected to DSRSD Facilities)," incorporated herein by reference, and the conditions set forth in this permit.
- 2. <u>Standard Specifications</u>. All work to be done by Permittee shall be performed in accordance with, and subject to, all terms and conditions contained in the District's *Standard Procedures*, *Specifications and Drawings for Design and Installation of Potable Water, Recycled Water, and Wastewater Utilities* (Standard Specifications) and the plans or drawings approved by the District and by reference herein and made part hereof. Work shall be conducted by an active, duly licensed contractor of the Contractors State License Board of the California Department Consumer Affairs.
- 3. <u>Liability</u>. Neither District, nor its Board, officers, agents, or employees thereof, shall be held responsible or liable for damage to any person or property whether of Permittee or of any other person, which arises out of the performance of Work.
- 4. <u>Advanced Request for Inspection</u>. District Inspector requires at least 48 hours notification prior to inspection of work under this permit.
- 5. <u>Inspection Prior to Backfill</u>. Work will not be accepted by the District unless District Inspector sees and approves all work prior to backfilling.
- 6. <u>Termination</u>. All rights granted hereunder shall cease and desist in the event the construction of the work referenced to in Application is not commenced by Permittee by <u>August 21, 2011</u>.

DUBLIN SAN RAMON SERVICES DISTRICT

By: Date:

Assigne	Assigned District Construction Inspector:							
JEFF H	AYES	BUD M	AHLER					
Office:	(925) 875-2259	Office:	(925) 875-2257					
Cell:	(925) 570-9007	Cell:	(925) 570-9005					

The undersigned has read and agrees to accept and perform all terms and conditions set forth in Permit, Application, and Plans.

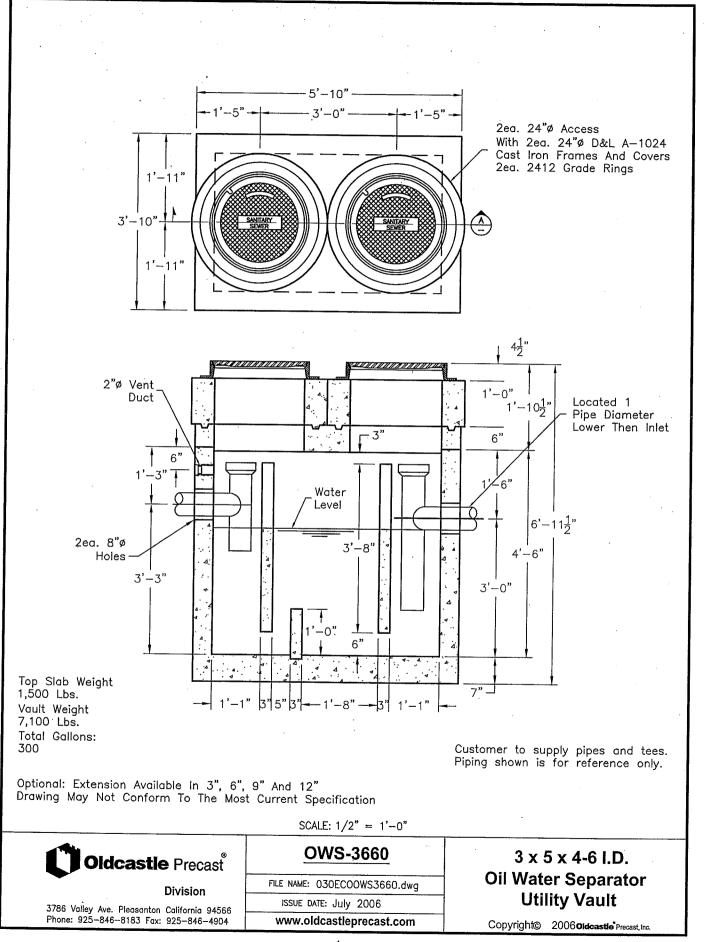
Date: 7/21/2011

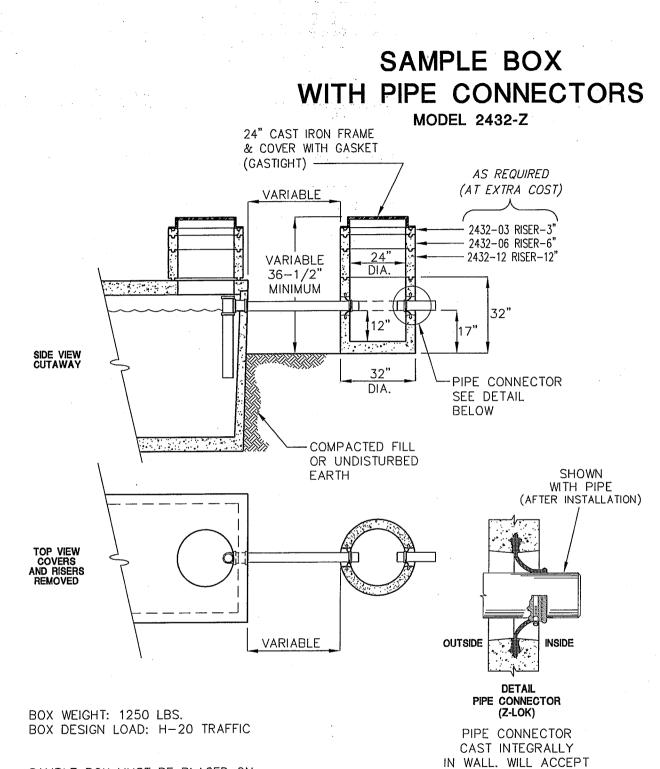
Permittee

The Dublin San Ramon Services District is a Public Entity

Jul. 12. 2011 3:1	22710		· · ·		No. 0361	8 P. I
Plan Review Co	omments: 828	-0515 • FAX: 829-1	1180		DSRS	D.
DUE: 07/12/11	i.			· · ·	DUE	
	1 st C	neck Plan Check	# BLDG-201	1-0083	5 7/11/11	
Job Address:	7544 Dublin Bl-Auto Dealership				Valuation: \$140,380.00	Bin#: File
Job Description:	Commercial Alteration-Excavate and removal of existing sump and contaminated so					aminated soil
First Plan Check Date	6/27/11	· Date:	7/11/11	By:	JOJ J DUENAS.	X Not Approved
Resubmittal 2 Date:			•	By;		Not Approved
Resubmittal 3 Date:				By:		Not Approved
Resubmittal 4 Date:				By:		Not Approved
Resubmittal 5 Date: Plans Approved By:			,	Date:		•
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SAMPLE BOX MUST BE PLACED ON SUITABLE BASE OF COMPACTED SOIL OR UNDISTURBED EARTH IN TRAFFIC CONDITION. FOR COMPLETE DESIGN AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

10/19/05 2432Z Sample Box_B.dwg © 2005 Jensen Precast



PIPE O.D. (INCHES)

SEE Z-LOK PIPE CONNECTOR PAGE

FOR ADDITIONAL INFORMATION

MAX.

6.25

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4.25

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	1 st Ch	eck Plan Check	# BLDG-201	1-0083	5 7/1/11		
Job Address:	7544 Dublin B	ll-Auto Dealers	nip		Valuation: \$140,380.00	Bin#: File	
Job Description:	Commercial Alte	ration-Excavate a	nd removal of	existing	sump and cont	taminated soil	
First Plan Check Date	6/27/11	Date:	7/11/11	By:	JOJ D DUENA-F		
Resubmittal 2 Date:	· ·		•	By;			
Resubmittal 3 Date:				By:		Not Approved	
Resubmittal 4 Date:				By:		Not Approved	
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DUBLIN SAN RAMON SERVICES DISTRICT PRETREATMENT PROGRAM INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT # 11012

Effective Date: July 15, 2011 Expiration Date: December 31, 2011 Permit Fee: \$1307.08

IN ACCORDANCE WITH ALL TERMS AND CONDITIONS OF THE DUBLIN SAN RAMON SERVICES DISTRICT'S SEWAGE CODE (CHAPTER 5, ARTICLE 2), AND ALSO WITH ANY AND ALL APPLICABLE PROVISIONS OF FEDERAL AND/OR STATE LAWS OR REGULATIONS, PERMISSION IS HEREBY GRANTED TO:

CROWN CHEVROLET 7544 DUBLIN BOULEVARD AND 6707 GOLDEN GATE DRIVE DUBLIN, CA 94568

SIC CLASSIFICATION: 7500 (AUTO REPAIR), 5500 (AUTO PARTS & GAS STATION), 3714 (MOTOR VEHICLE PARTS & ACCESSORIES, 3711 (MOTOR VEHICLES & PASSENGER CAR BODIES)

FOR THE DISPOSAL OF GROUNDWATER INTO THE SANITARY SEWER AT THE SITE ADDRESS OF:

7544 DUBLIN BLVD., 6707 GOLDEN GATE DR. DUBLIN, CA 94568

DISCHARGER UNDERSTANDS ALL THE CONDITIONS OF THIS PERMIT AND AGREES TO COMPLY WITH THESE CONDITIONS AND THE DISTRICT'S SEWAGE CODE (CHAPTER 5, ARTICLE 2). FAILURE TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT MAY BE GROUNDS FOR ADMINISTRATIVE ACTION, OR ENFORCEMENT PROCEEDINGS INCLUDING CIVIL OR CRIMINAL PENALTIES, INJUNCTIVE RELIEF, PERMIT REVOCATION AND SUMMARY ABATEMENTS.

IN ADDITION, THE DISCHARGER UNDERSTANDS THAT COMPLIANCE WITH THIS PERMIT DOES NOT RELIEVE THE DISCHARGER FROM COMPLIANCE WITH ANY AND ALL LOCAL, STATE AND FEDERAL PRETREATMENT STANDARDS AND REQUIREMENTS INCLUDING ANY SUCH STANDARDS OR REQUIREMENTS THAT MAY BECOME EFFECTIVE DURING THE TERM OF THIS PERMIT.

COMPANY OFFICER: PATRICK COSTELLO

Jul/15/2011

DISTRICT REPRESENTATIVE: DAVID A. REQUA DISTRICT ENGINEER 7/19/11 DATE

OWNER

PART 1-GENERAL INFORMATION

MAILING ADDRESS				
Street: 2101 WEBSTER ST.				
City: OAKLAND	State:	CA	_ Zip:	94612
BUSINESS ADDRESS				
Street: SAME				
City:	State:	<u></u>	_ Zip:	
CORDORATE INFORMATION (If Applicable)				
CORPORATE INFORMATION (If Applicable) Corporate Address: N/A				
	State		Zip:	i dane
City: State of Incorporation:				
Corporate Agent:				
Agent Address:	State	······································	Zip:	
City:	Deace.	· · · · · · · · · · · · · · · · · · ·		
Agent Phone #:				
PROPERTY OWNER				
Name: TERRI COSTELLO				
Address:	Mcado	w lark	CT	
City: DANVILLE	State		Zip:	94526
Chief Executive Officer, General Partner, or	Propriet	or		
Name: PATRICK COSTELLO	Title:	OWNER,	CROWN (CHEVROLET
Address: P.O. BOX 2010				
City: DUBLIN	State	CA	Zip:	94568
PERSON TO SIGN THIS PERMIT				
Name: PATRICK COSTELLO	Title:	OWNER,	CROWN (CHEVROLET
Phone #:(Day) 925-556-3201	(Night)	925-89	5-0769	
PERSON TO BE CONTACTED ABOUT THIS PERMIT				
Name: ANDREW LOJO	Title:		GEOLOG	IST
Phone #:(Day) 510-663-4153	(Night)	510-70	3-5696	
· · · · · · · · · · · · · · · · · · ·				
PERSON TO BE CONTACTED IN CASE OF EMERGENCY				
Name: ANDREW LOJO	Title:		GEOLOG	IST
Phone #:(Day) 510-663-4153	(Night)	510-70	3-5696	
TYPE OF BUSINESS OR OPERATION:				
AUTO SALES AND SERVICE	·····			

DESCRIPTION OF APPLICABLE PROCESSES:

PROCESS DESCRIPTION	40 CFR PROCESS
ONE TIME BATCH DISCHARGE OF GROUNDWATER FROM SUMP	N/A
EXCAVATION	

PART 2 - FEES AND CHARGES

The Discharger identified on the title page of this permit is hereby given authorization to discharge industrial/commercial wastewater into the sanitary sewer provided that:

- a. The Discharger makes payment of sewer service charges in association with the industrial/commercial wastewater discharge. Sewer service charges are based on the flow and strength of the wastewater. The strength of the wastewater is measured by the Biochemical Oxygen Demand (BOD) and the Total Suspended Solids (TSS) analyses.
- b. The Discharger makes payment of the fees associated with the administration of this permit. Fees shall include, but not limited to, permit fees, inspection fees and sampling & analysis fees. Other fees may apply as a result of escalated enforcement action.

PART 3 - MONITORING REQUIREMENTS

I. DISCHARGE LIMITATIONS

- a. Only groundwater generated from dewatering the excavation indicated on the drawing in Appendix B is permitted. No domestic and/or industrial/commercial wastewaters are granted under this permit.
- b. The rate of discharge shall **not** exceed **100** gallons per minute (qpm).
- c. The discharge location shall be at the onsite sanitary sewer cleanout indicated on the drawing of Appendix B of this permit.
 - d. The volume of wastewater discharged to the sanitary sewer shall be documented as required in Part 4, Section IV of this permit.

The Discharger shall comply with all discharge limitations referenced in Appendix A of this permit as they apply to any facility discharge which is analyzed by approved methods and/or permit conditions.

The Discharger shall also comply with the prohibited discharges referenced in Chapter 5, Article 2 of the District Code.

II. REPRESENTATIVE SAMPLING

Effluent samples collected for analyses shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring point(s) specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. All equipment used for

sampling must be routinely inspected and maintained to ensure their accuracy.

III. SAMPLING AND ANALYSIS

The Discharger shall comply with the following sampling and analysis requirements:

- a. The facility's wastewater discharge shall be sampled, at a minimum, according to the required sampling frequency outlined in Appendix A.
- b. Discharger shall conduct compliance sampling and analysis for all applicable pollutants listed in Appendix A of this permit, prior to each proposed batch discharge. This compliance sampling shall be representative of the tank contents to the extent practicable. Analysis results shall be submitted to the District for review and approval prior to discharging the wastewater. The Discharger shall obtain prior approval from the District before discharging any batch wastewater.
- c. All samples for the pollutants listed in Appendix A of this permit shall be taken from the baker tank indicated in the drawing in Appendix B. If pretreatment is needed as a result of the initial analyses, subsequent sampling will be taken from the pretreatment effluent.
- d. All handling, preservation, and holding times of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR, Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit. In addition, all samples shall be delivered as soon as possible to the certified laboratory, but never shall the delivery of the samples to the laboratory exceed twentyfour (24) hours from the time the samples were obtained.
- e. The laboratory selected to perform the analyses must be certified by the State of California Department of Health Services for wastewater analyses.

IV. VIOLATION RESAMPLING

If the results of any wastewater analysis performed by, or at the direction of, the Discharger indicates that a violation of this permit has occurred, the Discharger must:

- a. Inform the District of the violation within 24 hours of becoming aware of the violation; and
- b. Repeat the sampling and pollutant analysis and submit, in writing, the results of this second analysis within thirty

(30) days from the date the Discharger first becomes informed of the violation.

PART 4 - REPORTING REQUIREMENTS

I. MONITORING REPORTS

If the Discharger monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR, Part 136 or amendments thereto, or otherwise approved by the EPA, or as specified in this permit, the results of such monitoring shall be submitted within 45 days of the monitoring date to the District to determine compliance with all discharge limits as referenced in The monitoring results shall be submitted with the Appendix A. Signatory Requirement referenced in Part 5, Section XII of this Also, these monitoring results shall be included in the permit. in when the Discharger is determine if and calculations to "Significant Noncompliance".

II. ACCIDENTAL DISCHARGE REPORT

The Discharger shall notify the District immediately, by telephone, upon becoming aware of the occurrence of any accidental discharge of substances prohibited by this permit or the District Code or of any slug discharges or spills that may enter the sanitary sewer. The Discharger shall call the following telephone number to notify the District of such discharges:

(925) 846-4565 (24 hours a day)

The telephone message must include the following information:

- a. Business name, contact person, and telephone number.
- b. Location and time of discharge.
- c. Composition of the waste including hazardous properties.
- d. Concentration and volume.
- e. Immediate corrective actions taken.
- f. Any other information deemed relevant.

Within five (5) days following the accidental discharge the Discharger shall submit to the District a detailed written report. The report shall provide the following information:

- a. Description and cause of the upset, **slug load** or accidental discharge. The description shall include the location of the discharge, and the composition, concentration and volume of waste.
- b. Duration of noncompliance, including exact dates and times of noncompliance and, if the noncompliance is continuing, the time by which compliance is reasonably expected to occur.

- c. All steps taken, or to be taken, to reduce, eliminate, and/or prevent recurrence of such an upset, **slug load**, accidental discharge, or other conditions of noncompliance.
- d. Any information deemed relevant.

It shall be the responsibility of the Discharger to notify the District of any unusual discharge whether or not the Discharger is aware of any possible impact to the District's facilities or operations.

The Discharger's notification to the District of accidental discharges does not relieve the Discharger of other reporting requirements in accordance with local, state, or federal laws.

III. BYPASS OF TREATMENT FACILITIES

- a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, or severe property damage or no feasible alternatives exist.
- b) Notification of bypass:
 - (1) Anticipated bypass. If the Discharger knows in advance of the need for a bypass, it shall submit prior written notice, at least ten days before the date of the bypass, to the District.
 - (2) Unanticipated bypass. The Discharger shall immediately notify, the District, by telephone, and submit written notice to the District within 5 days. This report shall specify:
 - (i) A description of the bypass, and its cause, including its duration;
 - (ii) Whether the bypass has been corrected; and
 - (iii) The steps being taken or to be taken to reduce, eliminate and prevent a reoccurrence of the bypass.
- c) The Discharger may allow bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to paragraphs (a) and (b) of this section.

IV. FLOW REPORTS

The Discharger shall submit a flow report to the District prior to every proposed batch discharge of groundwater. The flow report shall contain the volume of purged groundwater proposed for discharge and

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accompany the laboratory analysis results associated with the groundwater proposed for discharge.

All reports required by this permit shall be submitted to Dublin San Ramon Services District at the following address:

7399 Johnson Drive Pleasanton, CA 94588 ATTENTION: Environmental Compliance Section

PART 5 - STANDARD CONDITIONS

1. INSPECTION AND ENTRY

The Discharger shall grant the District staff or authorized representatives entrance to the permitted facility for the purposes of inspection and sampling at all reasonable times. The inspection shall include the examination of all files pertaining to the requirements contained within this permit and the District's Sewerage Code and/or the examination of all sources of industrial wastewater discharge.

In addition, the Discharger shall inform District staff of the facility's safety procedures and requirements including the use of personal protective equipment.

II. DILUTION

The Discharger shall not increase the use of potable or process water or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained within this permit, any National Pretreatment Standards, or any other wastewater effluent limitation developed by the District or State.

III. FACILITY MODIFICATION/CHANGES

The Discharger shall notify the District at least 30 days prior to any facility expansion, production increase, or process modification which results in new or substantially increased wastewater discharges or a change in the nature of the wastewater discharge.

Furthermore, the Discharger **shall obtain prior approval from the District** before discharging any new sources of wastewater, wastewater discharges that have substantially increased in volume, and/or any source of wastewater that has changed in nature.

IV. ANTICIPATED NONCOMPLIANCE

The Discharger shall give notice to the District at least 30 days prior to any planned changes in the permitted facility or activity, which may result in noncompliance with the requirements in this permit.

V. HAZARDOUS AND NON-SEWERABLE WASTES

Solids, sludge, filter backwash, non-sewerable wastewater, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with all applicable state, federal and local laws. Spent chemical solutions, and any toxic or hazardous wastes shall be either disposed of at an authorized site by a properly licensed hazardous waste hauler, or recycled by a properly licensed recycler. No discharge of untreated spent chemical solutions and/or hazardous wastes to the public sewer is permitted.

VI. SPILL PROTECTION

The Discharger shall provide adequate protection including, but not limited to, secondary containment for all hazardous chemicals, hazardous waste and non-sewerable wastes which are stored in areas where potential spills could reach the facility's floor drains.

VII. OPERATIONS AND MAINTENANCE

The Discharger shall properly operate and maintain all pretreatment facilities that were installed or used to achieve compliance with this permit.

VIII. PRETREATMENT SYSTEM

The Discharger shall maintain the pretreatment system in proper operating condition to insure compliance with the local discharge limitations. The influent to the pretreatment system shall be limited to groundwater removed from the excavation.

IX. RECORDS/LOGS

The Discharger shall maintain logs and records of all data pertaining to the operations and maintenance activities implemented for the purpose of achieving compliance with this permit. Such documentation shall include, but not limited to, records/logs for calibrations, spent chemical bath solutions, flow data, water usage data, chemical dose rates, routine maintenance of equipment, routine treatment process checks, analyses and process changes, as they pertain to the process wastewaters discharged from the facility.

X. RECORDS RETENTION

The Discharger shall retain all records pertaining to the requirements set forth in this permit including, but not limited to, effluent sampling and analysis data, reports, calibration and maintenance records, logs, all original strip chart recordings for continuous monitoring instruments and receipts for off-haul of hazardous and nonsewerable wastes for a period of three (3) years.

XIV. TRANSFERABILITY

This Industrial Wastewater Discharge Permit is non-transferable and valid only to the industry and owner to whom it is originally issued. Transfer of ownership, changes to any industrial processes, or a significant change of wastewater quality shall void the permit.

XV. ENFORCEMENT

Section 5.2.52 (B) of the District Code provides that any Discharger who violates a permit condition is subject to civil penalties not to exceed Twenty Five Thousand Dollars (\$25,000) for each day of such violations. Section 5.2.56 (B) of the District Code provides that any person who willfully or negligently violates permit conditions is subject to criminal penalties of a fine not to exceed One Thousand Dollars (\$1,000) per day of violation, or by imprisonment in the county jail not to exceed six (6) months, or both. The Discharger may also be subject to sanctions under State and/or Federal Law.

In addition to civil and criminal liability, the Discharger violating any of the provisions of this permit or Chapter 5 of the District Code or causing damage to or otherwise inhibiting the District's wastewater disposal system shall be liable to the District for any expense, loss, or damage caused by such violation or discharge. The District shall bill the Discharger for the costs incurred by the District for any cleaning, repair, or replacement work caused by the violation or discharge. Refusal to pay the assessed costs shall constitute a separate violation of Section 5.2.52 (E) of the District Code.

XVI. DUTY TO REAPPLY

If the activities regulated by this permit are planned, or anticipated, to be continued after the expiration date of this permit, the Discharger must submit a written request for the issuance of a new permit at least thirty (30) days prior to the expiration date of this permit.

XVII. CONTINUATION OF EXPIRED PERMITS

An expired permit shall continue to be effective and enforceable until a new permit has been reissued if:

- a. The Discharger has submitted a completed permit application at least 30 days prior to the expiration of the Discharger's current permit.
- b. The failure to reissue the new permit, prior to the expiration of the previous permit, is not due to any act or failure to act on the part of the Discharger.

XVIII. ANNUAL PUBLICATION

As required by the Federal Pretreatment Regulations (40 CFR 403.8(f)(2)(viii)) the District shall comply with the public participation requirements of 40 CFR Part 25. Subsequently, any industrial/commercial user determined to be in "Significant Noncompliance" with applicable pretreatment requirements at any time during the last twelve (12) months shall be published in the largest newspaper circulated in the District's service area. Appendix C defines the criteria used to determine "Significant Noncompliance".

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APPENDIX A

DISCHARGE LIMITATIONS

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APPENDIX A

CROWN CHEVROLET

PERMIT# 11012

The table below lists the maximum concentrations allowed to be discharged into the sanitary sewer per the District code and federal regulations. Local limits apply as instantaneous maximum values for grab samples, and as daily maximum values for composite samples. Currently, the District performs all monitoring requirements on behalf of the Discharger. However, in the event of District notification to the Discharger that the District will no longer perform the monitoring, the Discharger is responsible for the required sampling frequency as listed below, as well as violation resampling requirements as specified in Part 3, Section 4 of this permit.

The last column indicates the required sampling frequency. "--" indicates that these pollutants are not sampled on a routine basis. However, this **does not** relieve the Discharger from also complying with these limits. The District reserves the right to sample for any local limit pollutant.

POLLUTANT	LOCAL LIMIT mg/l	FEDERAL LIMIT DAILY MAX AVG mg/1 mg/1	SAMPLE TYPE	REQUIRED SAMPLING FREQUENCY
ARSENIC	0.50	NA NA	G	
CADMIUM	1.00	NA . NA	G	
CHROMIUM	1.00	NA NA	G	
COPPER	1.00	NA NA	G	·
LEAD	2.00	NA NA	G .	
MERCURY	0.010	NA NA	G	· ••
NICKEL	1.50	NA NA	G	••
SELENIUM	1.30	NA NA	G	
SILVER	1.50	NA NA	G	
ZINC	4.00	NA NA	G	·
CYANIDE	0.50	NA NA	G	
PHENOLS	20.0	NA NA	G	
Т.І.С.Н. (608)	0.02	NA NA	G	
PCBs (608)	0.01	NA NA	G	
* T.T.O. (624/625)	5.00*	NA* NA*	G	PER BATCH
PAH (610)	6,50	NA NA	G	
OIL/GREASE (HYDROCARBON) (ANIMAL/VEG.)	150 200	NA NA	G	
TPH-GAS & TPH-DIESEL	15,0	NA NA	G	PER BATCH
EPA 602 (BTEX)	1,00	NA NA	G	PER BATCH
TOTAL DISSOLVED SOLIDS (TDS)	1000	NA NA	G	
RADIOACTIVITY	NA	FS FS	G	
B.O.D.	NA	NA NA	G	
C.O.D.	NA	NA NA	G	
T.S.S.	NA	NA NA	G	
рН	MIN. 6.0** MAX. 11.0**	NA NA NA NA	G	

NA = NOT APPLICABLE

G = GRAB

C = COMPOSITE

GC = GRAB COMPOSITE PAH = POLYNUCLEAR AROMATIC HYDROCARBONS

TPH = TOTAL PETROLEUM HYDROCARBONS

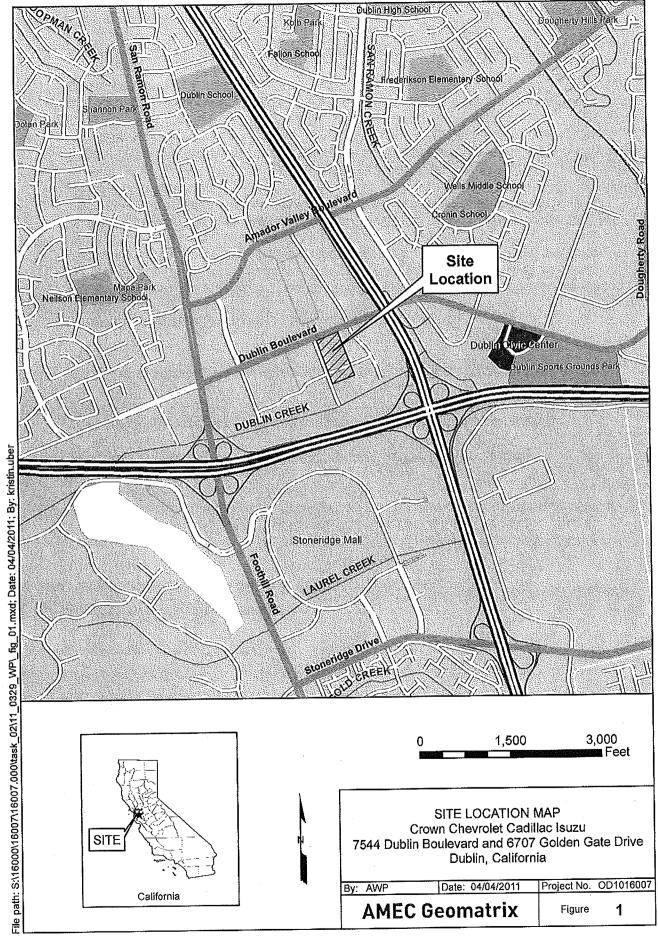
* T.T.O. = TOTAL TOXIC ORGANICS PER DISTRICT CODE 5.2.03(QQ) ** = pH UNITS

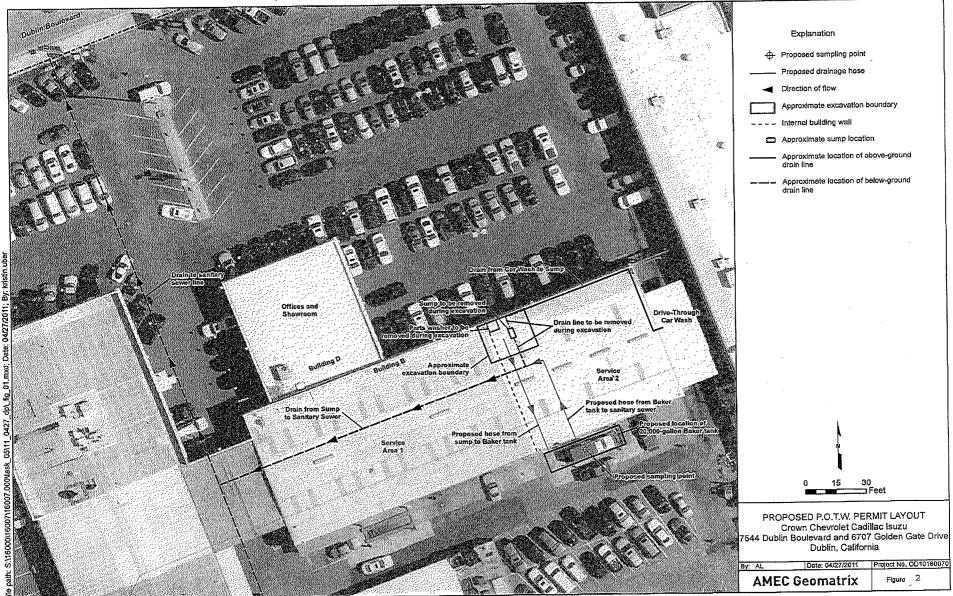
AVG = MONTHLY AVERAGE

T.I.C.H. = TOTAL IDENTIFIABLE CHLORINATED HYDROCARBONS FS = REFER TO FEDERAL OR STATE REGS. (10CFR 20 OR CCR TITLE 17)

APPENDIX B

SAMPLING LOCATION(S)





APPENDIX C

SIGNIFICANT NONCOMPLIANCE

SIGNIFICANT NONCOMPLIANCE

Instances of Significant Noncompliance (SNC) are industrial user violations which meet one or more of the following criteria:

- 1. Violations of the wastewater discharge limits.
 - a. Chronic violations. Sixty-six percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period which exceed, by any magnitude, a numeric pretreatment standard or requirement, including instantaneous limits, as defined by 40 CFR 403.3(1).
 - b. Technical Review Criteria (TRC) violations. Thirty-three percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of a numeric pretreatment standard or requirement, including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC.

There are two groups or TRC's:

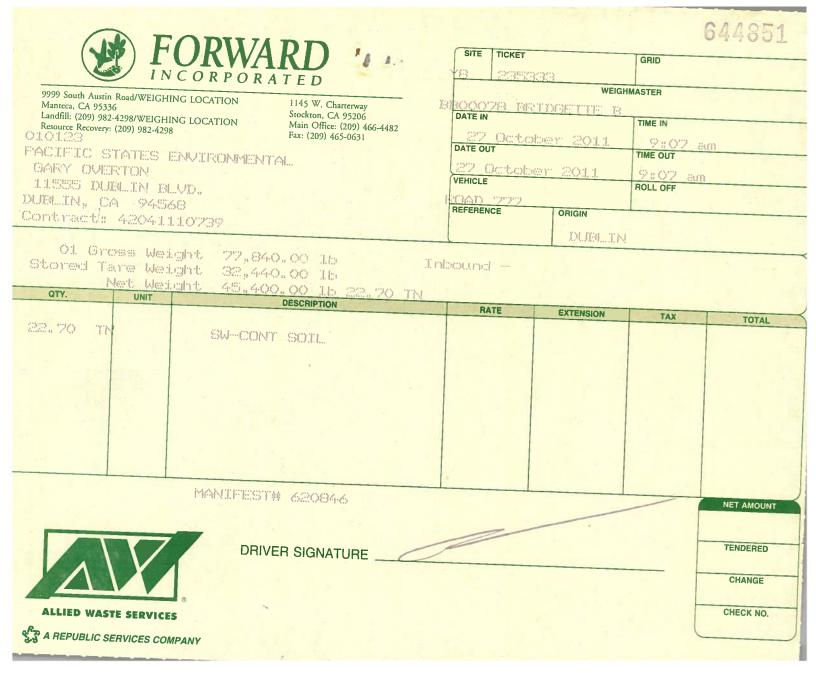
Group I for conventional pollutants (BOD, TSS, fats, oil and grease)	TRC =	1.4
Group II for all other pollutant, except pH	TRC =	1.2

- c. Any other violation(s) of a Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l) (daily maximum, long-term average, instantaneous limit, or narrative standard that the District believes has caused, alone or in combination with other discharges, interference (e.g., slug loads) or pass-through; or endangered the health of the sewage treatment personnel or the public.
- d. Any discharge of a pollutant that has caused imminent endangerment to human health/welfare or to the environment and has resulted in the District's exercise of its emergency authority to halt or prevent such a discharge.
- 2. Failure to meet, within 90 days after the compliance date, <u>compliance schedule milestones</u> contained in a permit or enforcement order for starting construction, completing construction, or attaining final compliance.
- 3. Failure to provide <u>reports</u> for compliance schedules, self-monitoring data or categorical standards (baseline monitoring reports, 90-day compliance reports, and periodic reports) within 30 days from the due date.
- 4. Failure to accurately report noncompliance.
- 5. Any other violation or group of violations, which may include a violation of Best Management Practices, which the District considers to be significant.

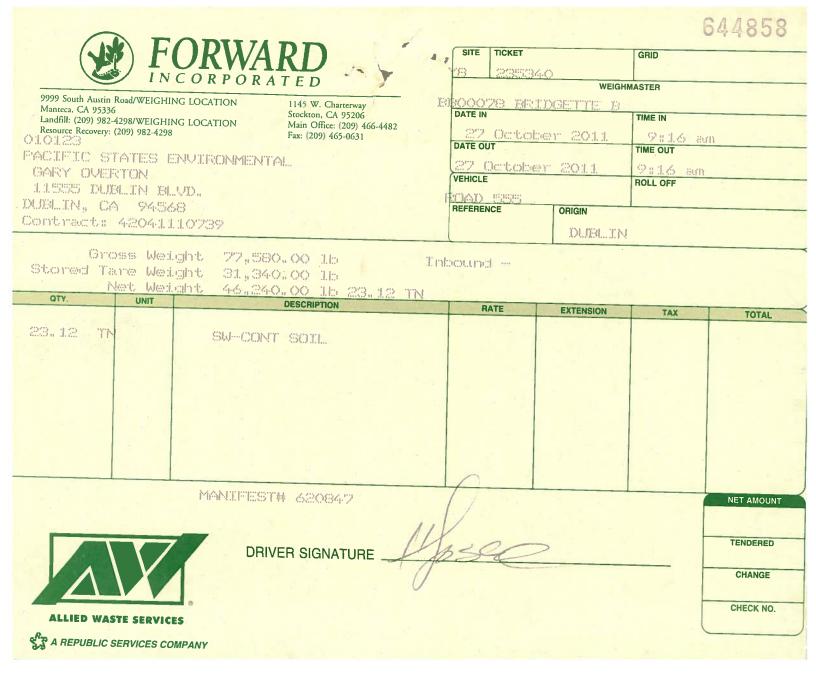


APPENDIX C

Soil Disposal Manifests



Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mounta Sanitary La 12310 San Mate Half Moon Bay, O Phone (650) 726 Fax (650) 726-91	o Road CA 94019 -1819	Sanit 1601 Di Milpitas, Phone (by Island ary Landfill ixon Landing Road , CA 95035 (408) 945-2800 8) 262-2871	Lai 9999 Man Phor	rward ndfill 9 S. Austin Road teca, CA 95336 ne (209) 982-4298 (209) 982-1009
14	NON-HA	ZARDOUS WA	STE MAI	VIFEST			
GENERATOR CROWN CHEV MAILING ADDRESS	Y CADILLAC ISUZU	2		WA	STE ACCEPTA	NCE N	0.
CITY, STATE, ZIP	LVD.	4		di la	-	10123	
DETREIN CA 94					SONAL PROTEC	CTIVE E	QUIPMENT
PHONE						RATOR	
CONTACT PERSON					ETY VEST		
PATRICK COST	ORIZED AGENT / TITLE	0.475	SPECIAL	HANDLIN	IG PROCEDURES	S:	
CIGINATORIE OF AUTH	ORIZED AGENT / TITLE	DATE	-				
*		10/27/11					
described, classified and package regulations; AND, if the waste is subject to the Land Disposal Best	I hereby certify that the above named mate 261 or title 22 of the California code of regulad, and is in proper condition for transportation a treatment residue of a previously restrict trictions, I certify and warrant that the waste b	ations, has been properly on a cording to applicable cted hazardous waste					
40 CFR Part 261.	s of 40 CFR Part 268 and is no longer a haza	nas been treated in ardous waste as defined by	RECEIVI	NG FACILI	TY		
WASTE TYPE:						_	
	SLUDGE WOOD OTHER						
GENERATING FACILIT	Υ						
7544 DUBLIN BI	LVD. AND 6707 GOLD	EN GATE DE	WE DIE	INC	A		
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DENBESTE TRA	NSPORTATION INC.			VID-	70070		CKINUMBER
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CITY, STATE, ZIP			Ri	ADE	ZUNNER		
WINDSOR CA 9	5497		END D		BOTTOM DUN	10	TRANOFER
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I hereby certify that	at the above named mate	rial has been					19. 19. 1
accepted and to th	e best of my knowledge s true and accurate.	the foregoing	DISPOSAL	METHOD	(TO BE COMPLET		
	s true and accurate.					I	
					DISPOSE		OTHER
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LI Relier Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891

□ Coffin Butte Landfill

28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826

Ox Mountain **Sanitary Landfill** 12310 San Mateo Road

Half Joon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183

□ Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871

Forward

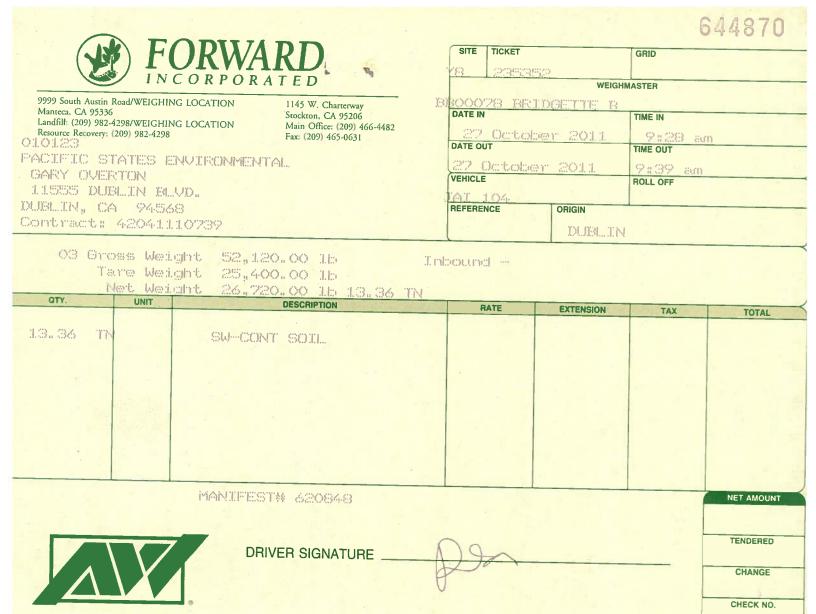
Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

CROWN CHEVY CADILLAC ISU/U MAILING ADDRESS		W	WASTE ACCEPTANCE NO.			
7544 DUBLIN BLVD		-	_	10123		
CITY, STATE, ZIP		REQUIRED PER	RSONAL PROTE			
DUBLIN, CA 94568 PHONE					A HARD H	
925 556 3201		-	AFETY VEST	in Alon	AHANDI	
PATRICK COSTELLO						
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	SPECIAL HANDL	ING PHOCEDURE	S:		
	DAIE	-				
*	10/27/1					
GENERATOR'S CERTIFICATION: I hereby certify that the above named materia waste as defined by 40 CFR Part 261 or title 22 of the California code of regulati described, classified and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a previously restricted subject to the Land Disposal Restrictions, I certify and warrant that the waste has accordance with the requirements of 40 CFR Part 268 and is no longer a hazard 40 CFR Part 261.	ons, has been property arcording to applicable ad hazardous waste		LITY			
DISPOSAL SLUDGE CONSTRUCTION DEBRIS DOTHER SPECIAL WASTE GENERATING FACILITY						
7544 DUBLIN BLVD. AND 6707 GOLDE	N GATE DR	VE. DUBLIN, C	A			
TRANSPORTER		A CONTRACTOR OF	LICENSE NUMBER	TOULO		
DENBESTE TRANSPORTATION INC.			1.1.	THUC	KNUMBER	
810 DENBESTE CL. SUITE 107		MP10	9229	502	>	
CITY, STATE, ZIP		D.I				
WINDSOR, CA 95492 PHONE			UNNER			
800-838-1477		END DUMP	BOTTOM DU	MP	TRANSFER	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	ROLL-OFF(S)	FLAT-BED	MANI		
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* Magain	10/27/11	Sector Con	ALC: NO	-	-	
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I hereby certify that the above named materia	al has been					
accepted and to the best of my knowledge th is true and accurate.	e foregoing	DISPOSAL METHOD:				
is true and accurate.	1.1.1.1.1.1	STOL COALINETHOD.	(TO BE COMPLET	ED BY LAN	OFILL)	
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IGNATURE OF AUTHORIZED AGENT	DATE					

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9999 South Austin Road/WEIGHIN	CORPORATED	CHRISTINA	G	ASTER	
Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHIN Resolute Recovery: (209) 982-4298	IG LOCATION Stock.con, CA 5206 Main Office: (209) 466-4482 Fax: (209) 465-0631		ber 2011	TIME IN 9 # 34	aun
PACIFIC STATES GARY OVERTON	ENVIRONMENTAL.	DATE OUT OCTOR	er 2011	TIME OUT SE a	m
11555 DURLIN I DUBLIN, CA 945		VEHICLE JAI 106	-	ROLL OFF	
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					CHANGE
ALLIED WASTE SERVICE	ES S				CHECK NO.
A REPUBLIC SERVICES CO	MPANY				110 00

L Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mountal Sanitary La 12310 San Mater Half Moon Bay, C Phone (650) 726 Fax (650) 726-91	ndfill D Road CA 94019 -1819	Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
	NON-HA	ZARDOUS WA	STE MAN	IIFEST	
GENERATOR CROWN CHEV	Y CADULAC ISUZU		-	WASTE ACCEPT	ANCE NO.
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DUBLIN CA 94 PHONE	1568				
CONTACT PERSON				SAFETY VEST	
PATRICK COST	FELLO		SPECIAL	HANDLING PROCEDURE	S:
SIGNATURE OF AUTH	IORIZED AGENT / TITLE	DATE			
*7		10/27/11			
described, classified and packag regulations; AND, if the waste is subject to the Land Disposal Bas	N: I hereby certify that the above named mater 1 261 or title 22 of the California code of regula led, and is in proper condition for transportation a treatment residue of a previously restric- strictions, I certify and warrant that the waste h ts of 40 CFR Part 268 and is no longer a hazar	tions, has been properly a cording to applicable ted hazerdous waste	RECEIVIN	IG FACILITY	
DISPOSAL CONSTRUCTION DEBRIS SPECIAL WASTE GENERATING FACILIT	SLUDGE WOOD OTHER				
7544 DUBLIN B	LVD. AND 6707 GOLD	EN GATE DR	NE DOB		
TRANSPORTER				VEHICLE LICENSE NUMBER	TRUCK NUMBER
DENBESTE TRA	ANSFORTATION INC.			QID 82925	106
810 DENBESTE CITY, STATE, ZIP	CI. SUITE 107				
WINDSOR, CA	95492		-	JAIHTRI	ALKING
PHONE 800-838-1477			END DU		MP TRANSFER
SIGNATURE OF AUTHO	ORIZED AGENT OR DRIVER	DATE	ROLL-O	FF(S) FLAT-BED	VAN DRUMS
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SIGNATURE OF AUTHO	DRIZED AGENT	DATE	ASBEST		
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				OTHER	



ALLIED WASTE SERVICES

L Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mountain Sanitary Landfi 12310 San Mateo Road Half Moon Bay, CA 940 Phone (650) 726-1819 Fax (650) 726-9183	d 1601 Dixon Landing Road 19 Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871
GENERATOR CROWN CHEW		+	WASTE ACCEPT
MAILING ADDRESS	3LVD,		
DEDT DE CLAO	1660		CONTED T ENOUNAL PHOT

Forward

MANIFEST # 620848

9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

CROWN CHEVY CADILLAC ISUZU		WASTE ACCEPTANCE NO.			
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CITY, STATE, ZIP		BEQUIRED PE	RSONAL PROTEC		
DUBLIN, CA 94568 PHONE				and the second	
PHONE				ATOR O HARD H	
CONTACT PERSON			AFETY VEST		
PATRICK COSTFLLO		SPECIAL HANDL	ING PROCEDURES:		
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	3			
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GENERATOR'S CERTIFICATION: I hereby certify that the above named material waste as defined by 40 CFR Part 261 or title 22 of the California code of regulation described, classified and packaged, and is in proper condition for transportation regulations. AND, if the weather are named and is in proper condition for transportation	al is not a hazardous ions, has been properly				
subject to the Land Disposal Restrictions L certify and warrant that the waste is	ed hazardous waste				
40 CFR Part 261.	lous waste as defined by	RECEIVING FACI	LITY		
WASTE TYPE:					
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DEBRIS DOTHER					
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7544 DUBLIN BLVD. AND 6707 GOLDE	EN GATE DR	VE. DUBLIN, O	CA		
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9999 South Austin Road/WEIGHING LOCATION 1145 W. Charterway Manteca, CA 95336	CHRESTINA	WEIGI	HMASTER	
Landfill: (209) 982-4298/WEIGHING LOCATION Resource. Recovery: (209) 982-4298 Fax: (209) 466-4482 Fax: (209) 465-0631	DATE IN 28 Octo	ber 2011	TIME IN 3 a 1.55	Em
PACIFIC STATES ENVIRONMENTAL GARY OVERTON	28 Octob	er 2011	Sa40 p	
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ALLIED WASTE SERVICES				CHANGE CHECK NO.

Keller Canyon	L
Sanitary Landfill	
901 Bailey Road	
Pittsburg, CA 94565	
Phone (925) 458-9800	
Fax (925) 458-9891	

Coffin Butte Landfill

28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826

Ox Mountain Sanitary Landfill

Sanitary Lanoffii 12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183

Newby Island

Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871

Forward

Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

620864

NON-HAZARDOUS WASTE MANIFEST

GENERATOR			WAS	STE ACCEPTA	NCE NO	
CROWN CHEVY CADILLAC ISUZU MAILING ADDRESS	1					•
CITY, STATE, ZIP		BEOLUE		ONAL PROTE	10123	
DIBLIN CA 94568						-
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CONTACT PERSON				ETY VEST		
PATRICK COSTFLLO		SPECIAL	HANDLIN	G PROCEDURES	S:	
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	1				
*	10/28/11					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is in waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, described, classified and packaged, and is in proper condition for transportation a corregulations; AND, if the waste is a treatment residue of a previously restricted h subject to the Land Disposal Restrictions, I certify and warrant that the waste has been accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous 40 CFR Part 261.	has been properly ording to applicable azardous waste	RECEIVI	NG FACILI	тү		
WASTE TYPE:]				
DISPOSAL SLUDGE CONSTRUCTION WOOD DEBRIS OTHER SPECIAL WASTE SPECIAL WASTE						
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WINDSOR, CA 9549. PHONE			1001			
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I hereby certify that the above named material	has been	- <u>1</u> .				
accepted and to the best of my knowledge the is true and accurate.	foregoing	DISPOSAL	METHOD:	(TO BE COMPLE	TED BY LA	NDFILL)
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HEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY F						

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

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0	4	-	3	6	



9999 South Austin Road/WEIGHING LOCATION Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOCATION Resource Recovery: (209) 982-4298

1145 W. Charterway Stockton, CA 95206 Main Office: (209) 466-4482 Fax: (209) 465-0631

PACIFIC STATES ENVIRONMENTAL GARY OVERTON 11555 DUBLIN BLVD. DUBLIN, CA 94568 Contract: 42041110739

Y8 2358773 WEIGHMASTER PHRISTINA G DATE IN TIME IN 28 October 2011 3:02 pm DATE OUT TIME OUT 28 October 2011 3:36 pm VEHICLE ROLL OFF MEZA 243 REFERENCE ORIGIN DUBLIN

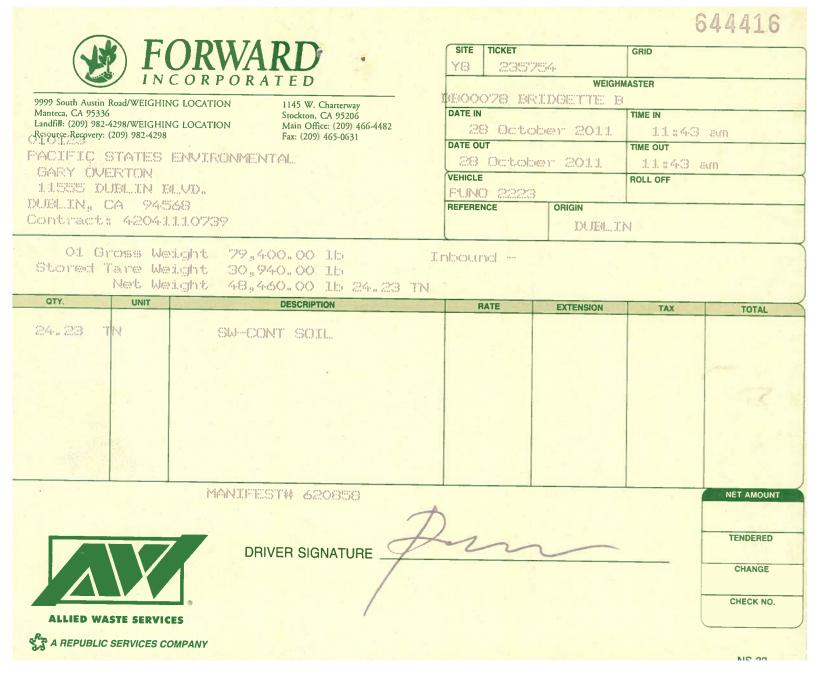
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SITE

TICKET

Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mounta Sanitary La 12310 San Mate Half Moon Bay, Phone-(650) 720 Fax (650) 726-9	andfill eo Road CA 94019 6-1819	1601 Dixo Milpitas, (Phone (4	ry Landfill	Mante Phone	
	NON-H	HAZARDOUS W	ASTE MAN	IFEST			
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PATRICK COS	TELLO		SPECIAL	HANDLIN	G PROCEDURES	6:	
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*		10/28/11					
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Sanitary LandfillLan901 Bailey Road28972Pittsburg, CA 94565CorvaPhone (925) 458-9800Phone	fin Butte dfill 2 Coffin Butte Road allis, OR 97330 e (541) 745-2018 541) 745-3826	Ox Mounta Sanitary La 12310 San Mate Half Moon Bay, (Phone (650) 726 Fax (650) 726-9	andfill San bo Road 1601 CA 94019 Milpita 5-1819 Phone	by Island itary Landfill Dixon Landing Road as, CA 95035 e (408) 945-2800 408) 262-2871	Mantee Phone	
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DUBLIN CA 94568				RSONAL PROTE		UIPMENT
PHONE					RATOR	HARD HAT
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PATRICK COSTFILO SIGNATURE OF AUTHORIZED A			SPECIAL HANDL	ING PROCEDURE	S:	
SIGNATURE OF AUTHORIZED	AGENT / TITLE	DATE	-			
*		10/28/11				
GENERATOR'S CERTIFICATION: I hereby certi waste as defined by 40 CFR Part 261 or title 22 described, classified and packaged, and is in pro- regulations; AND, If the waste is a treatment re- subject to the Land Disposal Restrictions, I certifi accordance with the requirements of 40 CFR Part 40 CFR Part 261. WASTE TYPE: DISPOSAL	or the California code of regulat oper condition for transportation esidue of a previously restrict	tions, has been properly a cording to applicable ted hazardous waste		LITY		
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TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. SALES COPY MANIFEST # 620858



TOTAL

NET AMOUNT

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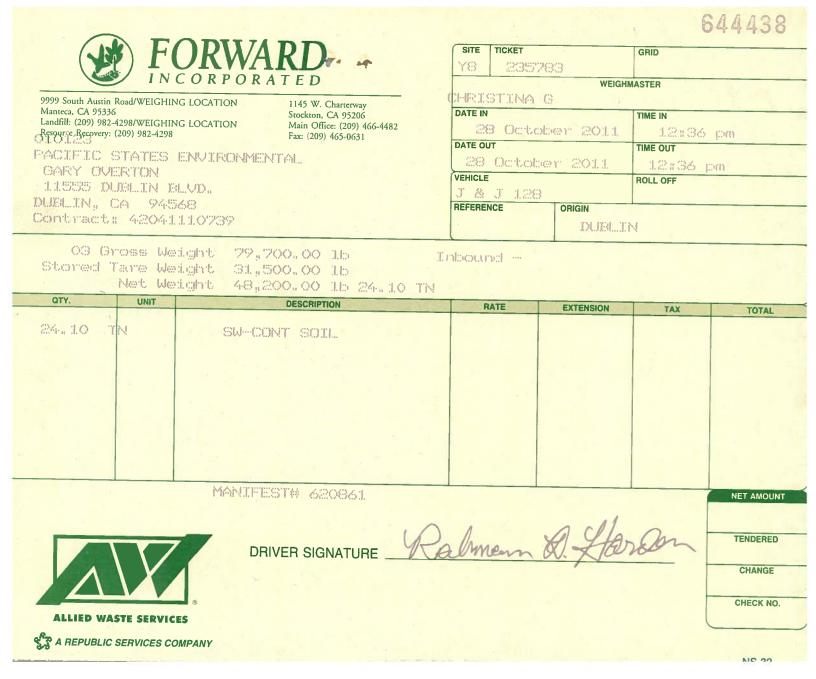
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MANIFEST# 620863

DRIVER SIGNATURE

ALLIED WASTE SERVICES A REPUBLIC SERVICES COMPANY

Keller Canyon Sanitary LandfillCoffin Butte Landfill901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-989128972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mountai Sanitary La 12310 San Matec Half Moon Bay, C Phone (650) 726- Fax (650) 726-91	ndfillSanita Road1601 DA 94019Milpitas1819Phone83Fax (40)	by Island tary Landfill ixon Landing Road 5, CA 95035 (408) 945-2800 08) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
NON-H	AZARDOUS WA	STE MANIFEST		
GENERATOR CROWN CHEVY CADILLAC ISUZU		WA	ASTE ACCEPTA	NCE NO.
MAILING ADDRESS 7544 DURLIN BLVD		-	-	10123
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DUBLIN, CA 94568 PHONE				RATOR D HARD HAT
925 556 3201			FETY VEST	
CONTACT PERSON PATRICK COSTELLO		SPECIAL HANDLI	NG PROCEDURES	:
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GENERATOR'S CERTIFICATION: I hereby certify that the above named may waste as defined by 40 CFR Part 261 or title 22 of the California code of reg described, classified and packaged, and is in proper condition for transporte regulations; AND, If the waste is a treatment residue of a previously rest subject to the Land Disposal Restrictions, I certify and warrant that the waste	Julations, has been properly ition a cording to applicable			
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7544 DUBLIN BLVD. AND 6707 GOL	DEN GATE DR	IVE, DUBLIN, C	A	
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CITY, STATE, ZIP		T	NT	
WINDSOR. C'A 95492 PHONE		END DUMP	BOTTOM DUN	MP TRANSFER
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901 Bailey Road 28972 Coffin Butte Road 12310 Pittsburg, CA 94565 Corvallis, OR 97330 Haile Phone (925) 458-9800 Phone (541) 745-2018 Phone	Mountain itary Landfill 0 San Mateo Road Moon Bay, CA 94019 a (650) 726-1819Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-428 Fax (209) 982-1009
NON-HAZARD	OUS WASTE MANIFEST
GENERATOR CROWN CHEVY CADILLAC ISUZU	WASTE ACCEPTANCE NO.
MAILING ADDRESS	- 10123
CITY, STATE, ZIP	REQUIRED PERSONAL PROTECTIVE EQUIPMENT
DUBLIN CA 94568 PHONE	GLOVES GOGGLES GRESPIRATOR GRAND
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GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a f waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has b described, classified and packaged, and is in proper condition for transportation a cording regulations: AND, If the waste is a transment residue of a previously restricted beared	nazardous een property to applicable
subject to the Land Disposal Restrictions, I certify and warrant that the waste has been tree accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste 40 CFR Part 261.	as defined by RECEIVING FACILITY
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7544 DUBLIN BLVD. AND 6707 GOLDEN GA	ATE DRI <mark>VE, DUBLIN, CA</mark>
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DENBESTE TRANSPORTATION INC. ADDRESS	GELIDILIO TE 120
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999 South Austin Road/WEIGHING Manteca, CA 95336		1145 W. Charterway Stockton, CA 95206 Main Office: (209) 466-4482	DATE IN	ber 201.1	TIME IN 1.2::4-6	(DKB
andfill: (209) 982-4298/WEIGHING Resource, Recovery: (209) 982-4298	LUCATION	Fax: (209) 465-0631	DATE OUT		TIME OUT	
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Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Sanitary La 12310 San Mate Half-Moon Bay, O Phone (650) 726	eo Road CA 94019 6-1819	Sanitary Landfill	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-42 Fax (209) 982-1009
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ed, and is in proper condition for transporta	ulations, has been properly tion a cording to applicable			
strictions, I certify and warrant that the waste s of 40 CFR Part 268 and is no longer a ha	has been treated in zardous waste as defined by	RECEIVIN	NG FACILITY	
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I VD. AND 6707 GOL	DFN GATE DR		DLIN, CA	
NSPORTATION INC.		NOTES:	VEHICLE LICENSE NUMBER	TRUCK NUMBER
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is true and accurate.		DISPUSAL		ETED BY LANDFILL)
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	Landfill 28972 Coffin Butte Road Corvaliis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826 NON-H Y CADILLAC ISUZU LVD S68 CELO CORIZED AGENT / TITLE N: I hereby certify that the above named mate is of 40 CFR Part 268 and is no longer a haz CI. SUITE 107 S402 DRIZED AGENT OR DRIVER CI. SUITE 107 S402 DRIZED AGENT OR DRIVER CI. SUITE 107 S402 CRIZED AGENT OR DRIVER CI. SUITE 107 CI. SUI	Landfill Sanitary La 28972 Coffin Butte Road 12310 San Mate Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826 Fax (650) 726-9 NON-HAZARDOUS W/ NON-HAZARDOUS W/ Y CADILLAC ISUZU Half-Moon Bay, Phone (650) 726-9 NON-HAZARDOUS W/ NON-HAZARDOUS W/ Y CADILLAC ISUZU HAVD. HAVD. IS68 PRILO DATE IORIZED AGENT / TITLE DATE Nº 10002 In 286/01 Nº 11 AC ISUZU HAVD. IS68 PRILO DATE IORIZED AGENT / TITLE DATE Nº 11 AC ISUZU ISUDGE WOOD ISUDGE WOOD ISUUDGE WOOD IVD. AND 6707 GOI DFN GATE DR ANSPORTATION INC. CT. SUITE 107 IS492 PRIZED AGENT OR DRIVER DATE INSPORTATION INC. CT. SUITE 107 IS492 PRIZED AGENT OR DRIVER DATE INSPORTATION INC. INSPORTATION INC.	Landfill Sanitary Landfill 28972 Coffin Buite Road 2310 San Mateo Road Corvallis, OR 97330 Phone (56) 726-1819 Phone (56) 726-1819 Fax (541) 745-3826 NON-HAZARDOUS WASTE MAN V CADILL AC ISUZU H.VD. REQUIR H.VD. RECEIVIN H.VD. RECEIVIN H.VD. RECEIVIN H.VD. RECEIVIN Notes and is no longer a hazadous waste a defined by I VD. AND 6707 GOI DFN GATE DRIVE. M.VD. AND 6707 GOI DFN GATE DRIVE. M.VD.Y. DATE PRUZED AGENT OR DRIVER DATE M.VD.Y. Sol	Landfill Sanitary Landfill 28972 Collin Butte Read Sanitary Landfill Covalis, Cor 97330 12310 San Mateo Read Covalis, Cor 97330 Phone (650) 726-9183 Phone (541) 745-3268 Phone (650) 726-9183 Phone (550) 726-9183 Phone (408) 945-2800 Fax (540) 745-3326 Phone (550) 726-9183 Y CADILLAC ISLIZU WASTE ACCEPT Y DATE DATE Y DATE Special Handbulk Acceleration and acceleration acceler

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9999 South Austin Road/WEIGHING LOCATION Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOCATION Report Recovery: (209) 982-4298	145 W. Charterway Sockton, CA 95206 Main Office: (209) 466-4482 Fax: (209) 465-0631
PACIFIC STATES ENVIRONMENT	TAL.
GARY OVERTON	
11555 DURLIN BLVD.	
DURLIN, CA 94568	
Contract: 42641110720	

ALLIED WASTE SERVICES

Y8 TICKET 2357722	GRID
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Pittsburg, CA 94565 Corvallis, C	in Butte Road⊷ DR 97330 1) 745-2018	Ox Mountai Sanitary La 12310 San Mateo Half Moon Bay, C Phone (650) 726- Fax (650) 726-91	ndfill S a Road 1 A 94019 N -1819 P	Newby Island Sanitary Landfill 601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
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GENERATOR	F			WASTE ACCEPTA	NCE NO
CROWN CHEVY CADILL MAILING ADDRESS	AÇ ISUZU				
CITY, STATE, ZIP					10123
DUBLIN CA 94568				PERSONAL PROTEC	CTIVE EQUIPMENT
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SIGNATORE OF AUTHORIZED AGE	NI/IIILE	DATE			
*		10 25/11			
GENERATOR'S CERTIFICATION: I hereby certify that waste as defined by 40 CFR Part 261 or title 22 of the described, classified and packaged, and is in proper ci regulations; AND, If the waste is a treatment residue subject to the Land Disposal Restrictions, I certify and accordance with the requirements of 40 CFR Part 268 40 CFR Part 261.	California code of regulation ondition for transportation a of a previously restricte	ons, has been properly arcording to applicable of hazardous waste	RECEIVING F	FACILITY	
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GENERATING FACILITY					
7544 DUBLIN BLVD AND	6707 GOLDE	N GATE DR	VE. DUBLI	N, CA	
TRANSPORTER			NOTES: VEH	ICLE LICENSE NUMBER	TRUCK NUMBER
DENRESTE TRANSPORTA	TION INC.		V	P72830	
810 DENBESTE CT. SUITE CITY, STATE, ZIP	107			-	-
WINDSOR CA 95492		1	- Keri	D FUNNER	RULLINES.
PHONE			END DUMF	BOTTOM DUN	AP TRANSFER
SIGNATURE OF AUTHORIZED AGEN	T OR DRIVER	DATE	ROLL-OFF(S	S) FLAT-BED	VAN DRUMS
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I hereby certify that the above accepted and to the best of m is true and a	y knowledge th	ial has been ne foregoing	DISPOSAL MET	HOD: (TO BE COMPLET	TED BY LANDFILL)
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HEDULING MUST BE MADE PRIOR TO				and the state of the	transfer of the state of the state of the state

GARY OVE 11555 DU DUBLIN, C Contract:	ad/WEIGHING 198/WEIGHING 199	LOCATION LOCATION Main Office Fax: (209) 4 ENVIRONMENTAL. 68 1.10739	:: (209) 466-4482 165-0631	STE TICKET	G WEIGHM	TIME IN 12:00 TIME OUT COLL OFF	
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ALLIED W	ASTE SERV	ICES					CHECK NO.
	C SERVICES	COMPANY					NS-33

Sanitary LandfillLandfill901 Bailey Road28972 Coffin-Butte RoadPittsburg, CA 94565Corvallis, OR 97330Phone (925) 458-9800Phone (541) 745-2018	Ox Mountain Sanitary Lar 12310 San Mateo Half Moon Bay, CA Phone (650) 726-1 Fax (650) 726-918	AdfillSanitaRoad1601 DixA 94019Milpitas,1819Phone (4)	y Island ary Landfill con Landing Road CA 95035 408) 945-2800 8) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
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CITY, STATE, ZIP DUBLIN, CA 94568				CTIVE EQUIPMENT
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ONTACT PERSON			ETY VEST	
PATRICK COSTELLO SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	SPECIAL HANDLIN	IG PROCEDURES	S:
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is waste as defined by 40 CFR Part 261 or title 22 of the California code of regulation:	s has been properly			
described, classified and packaged, and is in proper condition for transportation and regulations; AND, if the weste is a treatment residue of a previously restricted subject to the Land Disposal Restrictions, I certify and warrant that the waste has b accordance with the requirements of 40 CFR Part 268 and is no longer a hazardou:	hazardous waste	RECEIVING FACILI	ТҮ	
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GENERATING FACILITY				
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TRANSPORTER DENBESTE TRANSPORTATION INC.		NOTES: VEHICLE L	ICENSE NUMBER	TRUCK NUMBER
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810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP		Pro D		Parte Laures
WINDSOR, CA 95492 PHONE				RILLE LINES
800-838-1477			BOTTOM DU	MP TRANSFER
SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	ROLL-OFF(S)	FLAT-BED	VAN DRUMS
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		CUBIC YARDS		
I hereby certify that the above named materia	l has been			
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is true and accurate.			DISPOSE	OTHER
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REMARKS				
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SIGNATURE OF AUTHORIZED AGENT	PATE/C	ASBESTOS		
	DATE			
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9999 South Austin Road/WEIGHING LOCATION Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOCATION Resolute Recovery: (209) 982-4298 FACIFIC STATES ENVIRONMENTAL. GARY OVERTON 11555 DUBLIN BLVD. DUBLIN, CA 94568 Contract: 42041110739
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 ORIGIN

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SA REPUBLIC SERVICES COMPANY

LI Keller Canyon	Coffin Butte	🗋 Ox Mou
Sanitary Landfill	Landfill	Sanitary
901 Bailey Road	28972 Coffin Butte Road	12310 San I
Pittsburg, CA 94565	Corvallis, OR 97330	Half Moon B
Phone (925) 458-9800	Phone (541) 745-2018	Phone (650)
Fax (925) 458-9891	Fax (541) 745-3826	Fax (650) 72

ntain

/ Landfill Mateo Road Bay, CA 94019 726-1819 Fax (650) 726-9183

Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871

Eorward

Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZA	RDOUS WA	STE MAI	NIFEST			
GENERATOR			WASTE ACCEPTANCE NO.			
CROWN CHEVY CADILLAC ISUZU						
MAILING ADDRESS		_			10123	
CITY, STATE, ZIP		BEOLIE		SONAL PROTE		
DUBLIN, CA 94568			Contraction of the		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
PHONE		GLOVE		GGLES C RESP	IRATOR	G HARD HAT
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PATRICK COSTELLO		SPECIAL	HANDLIN	G PROCEDURE	S:	
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	-				
*	10/28/11					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is i waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, described, classified and packaged, and is in proper condition for transportation a co- regulations; AND, If the waste is a treatment reacidue of a previously restricted has subject to the Land Disposal Restrictions. I certify and warrant that the waste has bee accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous 40 CFR Part 268.	has been property ording to applicable azardous waste	RECEIVI	NG FACILI	ТҮ		
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DENBESTE TRANSPORTATION INC.		NOTEO.		ICENSE NUMBER		CKNUMBER
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WINDSOR, CA 95492		1.100	MEZY	A TRUCK	Jule "	-
PHONE	_	END D				TRANOTTR
800-838-1477				BOTTOM DUI	MP	TRANSFER
SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	ROLL-C	OFF(S)	FLAT-BED	VAN	DRUMS
* Miller A.	10/28/11					0
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I hereby certify that the above named material accepted and to the best of my knowledge the is true and accurate.	has been foregoing	DISPOSAL	METHOD:	(TO BE COMPLE DISPOSE	TED BY LA	NDFILL) OTHER
REMARKS						
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SIGNATURE OF AUTHORIZED AGENT	DATE	ASBES	TOS /			
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			LOTHER			
EDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY	and the second second	100 Mar	A STATE OF STATE			A REAL PROPERTY AND INCOME.

SCI TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE. ANY UNSCHEDULED LOADS ARE SUBJECT

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9999 South Austin Road/WEIGHING LOCATION Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOCATION Resource Recovery: (209) 982-4298 FACIFIC STATES ENVIRONMENT	1145 W. Charterway Stockton, CA 95206 Main Office: (209) 466-4482 Fax: (209) 465-0631
GARY OVERTON	fril
11555 DUR IN BLUD.	
DUBLIN, CA 94568	
Contract: 42041110739	

Y8 TICKET 235724	GRID
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ALLIED WAS						

LI Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mountai Sanitary La 12310 San Mateo Half Moon Bay, C Phone (650) 726- Fax (650) 726-910		fillSanibad1601 [4019Milpita9Phone	by Island itary Landfill Dixon Landing Road s, CA 95035 (408) 945-2800 08) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
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DUBLIN CA 94		The second se				
PHONE						IRATOR CHARD HAT
CONTACT PERSON			NG PROCEDURES			
SIGNATURE OF AUTH	ORIZED AGENT / TITLE	DATE			NG PROCEDURES	5:
*		10/26	8/11			
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation a cording to applicable subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.			plicable raste	ECEIVING FACIL	LITY	
DISPOSAL CONSTRUCTION DEBRIS SPECIAL WASTE GENERATING FACILIT	SLUDGE WOOD OTHER					
7544 DEIRLIN R	LVD. AND 6707 GOLD					
TRANSPORTER	CTD. AND VIVI GOLD	LN GAT	A CONTRACTOR OF	A A CAPITAL I. C	A	No. of Concession, Name of Street, or other
DENBESTE TRA ADDRESS	NSPORTATION INC.			DTES: VEHICLE	LICENSE NUMBER	TRUCK NUMBER
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WINDSOR CA 9	5402			ME	sa iru	CKING
					BOTTOM DUN	
SIGNATURE OF AUTHO	RIZED AGENT OR DRIVER	DATE		ROLL-OFF(S)	FLAT-BED	VAN ORUMS
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I hereby certify the	at the above named mater	ial has be	en			
accepted and to th	e best of my knowledge t s true and accurate.	he forego		POSAL METHOD:	(TO BE COMPLET	
					DISPOSE	OTHER
REMARKS			0	SOIL		
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FACILITY TICKET NUMB	11/11	Th		NON-FRIABLE		
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1	LA		0.	ASH		
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HEDULING MUST BE MAD	DE PRIOR TO 3:00 PM THE DA	VDDIODT				



9999 South Austin Road/WEIGHING LOCATION Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOCATION Report Recovery: (209) 982-4298	I 145 W. Charterway Stockton, CA 95206 Main Office: (209) 466-4482 Fax: (209) 465-0631
PACIFIC STATES ENVIRONMENT	AL.
GARY OVERTON	
11555 DUBLIN BLVD.	
DUBLIN, CA 94568	
Contract: 42041110739	

SITE Y8	TICKET 22569	900 () () () () () () () () () (GRID
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QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAN	
24.47	N	SWCONT SOIL		EXTENSION	TAX	TOTAL
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ALLIED WAS	STE SERVIC	es				CHECK NO.

Inbound ---

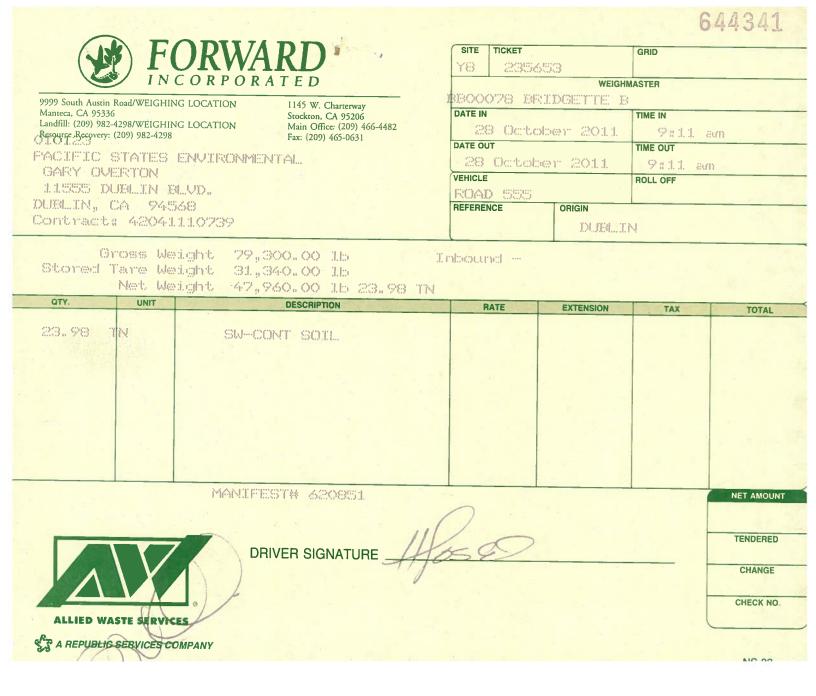
A REPUBLIC SERVICES COMPANY

Keller CanyonCoffin ButteSanitary LandfillLandfill901 Bailey Road28972 Coffin Butte RoadPittsburg, CA 94565Corvallis, OR 97330Phone (925) 458-9800Phone (541) 745-2018Fax (925) 458-9891Fax (541) 745-3826	Ox Mounta Sanitary La 12310 San Mate Half Moon Bay, C Phone (650) 726 Fax (650) 726-91	o Road CA 94019 -1819	1601 Dix Milpitas, * Phone (4	y Island ary Landfill on Landing Road CA 95035 08) 945-2800) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4290 Fax (209) 982-1009
	ZARDOUS WA	STE MAN	IFEST		
GENERATOR			WAS	STE ACCEPTA	NCE NO.
<u>CROWN CHEVY CADILLAC ISUZU</u> MAILING ADDRESS					
7544 DUBLIN BLVD. CITY, STATE, ZIP					10123
DUBLIN CA 94568					CTIVE EQUIPMENT
PHONE 025 556 3201					IRATOR SCHARD HA
CONTACT PERSON		O TY-VEK	- day	ETY VEST	
PATRICK COSTELLO SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE		HANDLIN	G PROCEDURES	5:
* 7	10/29/1	Carlo Ba			
	10109.				
GENERATOR'S CERTIFICATION: I hereby certify that the above named materia waste as defined by 40 CFR Part 261 or title 22 of the California code of regulat described, classified and packaged, and is in proper condition for transportation regulations; AND, if the waste is a treatment residue of a previously restrict subject to the Land Disposal Restrictions, I certify and warrant that the waste ha accordance with the requirements of 40 CFR Part 268 and is no longer a hazard 40 CFR Part 261. WASTE TYPE:	ions, has been property a*cording to applicable ed hazardous waste	RECEIVIN	IG FACILI	ΓY	
DISPOSAL SLUDGE CONSTRUCTION WOOD DEBRIS OTHER SPECIAL WASTE SPECIAL WASTE					
GENERATING FACILITY			_		
7544 DUBLIN BLVD. AND 6707 GOLDI	EN GATE DR	IVE, DUB	LIN; CA		
TRANSPORTER		NOTES:	VEHICLE LI	CENSE NUMBER	TRUCK NUMBER
DENBESTE TRANSPORTATION INC.			938	75350	12
810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP				autora	
WINDSOR, CA 95492 PHONE			IN		
800-838-1477		END DU	JMP	BOTTOM DUI	
SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	ROLL-OF	F(S)	FLAT-BED	VAN DRUMS
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	1-01-				
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I hereby certify that the above named mater accepted and to the best of my knowledge t	ial has been he foregoing	1			
is true and accurate.		DISPOSAL N	METHOD:	(TO BE COMPLE	TED BY LANDFILL)
				DISPOSE	OTHER
REMARKS	1				
			RUCTION		
FACILITY TICKET NUMBER		DEBRIS		-	
SIGNATURE OF AUTHORIZED AGENT	DATE	ASBEST			
			-		
ALA MIL.					
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9999 South Austin Road/WEIGHING LOC/ Manteca, CA 95336 Landfill: (209) 982-4298/WEIGHING LOC/ Resource Recovery: (209) 982-4298 PACIFIC STATES ENVI GARY OVERTON 1.1555 DUBLIN BLVD, DUBLIN, CA 94568 Contract: 4204.1.1.0	Stockton, CA 95206 ATION Main Office: (209) 466-4482 Fax: (209) 465-0631		SITE TICKET YB 23556 BBOOO728 BR DATE IN 28 Octoo DATE OUT 28 Octoo VEHICLE FOAD 2777 REFERENCE	WEIGH IDGETTE E ben 2011	TIME IN Statistic Statistic ROLL OFF	
Gross Weight Stored Tame Weight Net Weight	32,440.00 15		nlaquunat	Arto Artinda	R	
QTY. UNIT	DESCRIPTION		RATE	EXTENSION	TAX	TOTAL
22.99 TN	SW-CONT SOIL					
	MANIFEST# 620852					NET AMOUNT
	DRIVER SIGNATURE	0	~~~	-		TENDERED
						CHANGE
ALLIED WASTE SERVICES						CHECK NO.
A REPUBLIC SERVICES COMPANY						

Sanitary LandfillLandfill901 Bailey Road28972 Coffin Butte RoadPittsburg, CA 94565Corvallis, OR 97330Phone (925) 458-9800Phone (541) 745-2018	Ox Mountain Sanitary Lan 12310 San Mateo Half Moon Bay, C/ Phone (650) 726- Fax (650) 726-918	AdfillSaniRoad1601 EA 94019Milpita:1819Phone	by Island tary Landfill bixon Landing Road s, CA 95035 (408) 945-2800 08) 262-2871	Forward Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009
NON-HAZA	RDOUS WAS	STE MANIFEST		
GENERATOR CROWN CHEVY CADILLAC ISUZU		- W/	ASTE ACCEPTA	NCE NO.
MAILING ADDRESS		- 10. The	-	10123
CITY, STATE, ZIP		REQUIRED PER	SONAL PROTEC	TIVE EQUIPMENT
PHONE PHONE		GLOVES GG		RATOR SALHARD HAT
CONTACT PERSON			FETY VEST	
SIGNATURE OF AUTHORIZED AGENT / TITLE		SPECIAL HANDLI	NG PROCEDURES):
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE			
*	10 28/11	200		Sec. 1. 1. 2.
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations described, classified and packaged, and is in proper condition for transportation and regulations; AND, if the waste is a treatment residue of a previously restricted to the second seco	s, has been properly cording to applicable			
subject to the Land Disposal Restrictions, I certify and warrant that the waste has be accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous 40 CFR Part 261.	oon trooted in	RECEIVING FACIL	.ITY	
WASTE TYPE:	all			
DISPOSAL SLUDGE CONSTRUCTION WOOD DEBRIS OTHER SPECIAL WASTE	11.0			
GENERATING FACILITY				
7544 DUBLIN BLVD. AND 6707 GOLDEN	I GATE DRI	VE DUBLIN C	A	
TRANSPORTER		A REAL PROPERTY AND A REAL	LICENSE NUMBER	TRUCK NUMBER
DENBESTE TRANSPORTATION INC.		VP-	12830	777
810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP		D	Division	Tauchter
WINDSOR CA 95492		-		L Ruck LINE
SIGNATURE OF AUTHORIZED AGENT OR DRIVER		END DUMP	BOTTOM DUN	MP TRANSFER
SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	ROLL-OFF(S)	FLAT-BED	VAN DRUMS
*	10/28/11	u	u	
		CUBIC YARDS		
I hereby certify that the above named materia accepted and to the best of my knowledge the	l has been			
I hereby certify that the above named materia accepted and to the best of my knowledge the is true and accurate.	l has been	CUBIC YARDS	1	ED BY LANDFILL)
accepted and to the best of my knowledge the is true and accurate.	l has been	DISPOSAL METHOD:	(TO BE COMPLET DISPOSE	ED BY LANDFILL)
accepted and to the best of my knowledge the	l has been	DISPOSAL METHOD:	DISPOSE	
accepted and to the best of my knowledge the is true and accurate.	l has been	DISPOSAL METHOD:	DISPOSE	
accepted and to the best of my knowledge the is true and accurate. REMARKS FACILITY TICKET NUMBER	I has been of foregoing	DISPOSAL METHOD:	DISPOSE	
accepted and to the best of my knowledge the is true and accurate.	l has been	DISPOSAL METHOD:	DISPOSE	
accepted and to the best of my knowledge the is true and accurate. REMARKS FACILITY TICKET NUMBER	I has been of foregoing	DISPOSAL METHOD: SOIL CONSTRUCTION DEBRIS NON-FRIABLE ASBESTOS	DISPOSE	



→ Keller Cany Sanitary Lar 901 Bailey Road Pittsburg, CA 945 Phone (925) 458- Fax (925) 458-989	ndfill 565 -9800	Coffin Butte Landfill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	S 12 Ha Pt	Dx Mountai Canitary La 2310 San Matec alf Moon Bay, C hone (650) 726- ax (650) 726-918	ndfill Road A 94019 1819	Sanit 1601 Di Milpitas, Phone (by Island ary Landfill xon Landing Road CA 95035 408) 945-2800 8) 262-2871	La 999 Mai Pho	orward andfill 19 S. Austin Road Inteca, CA 95336 one (209) 982-429 5 (209) 982-1009
		NON-H	AZAF	RDOUS WA	STE MANI	FEST			
GENERATOR	Photo income to		-	-		WA	STE ACCEPT/		0
MAILING ADDF	RESS	CADILLAC ISUZU		- a los	2				
7544 DUB CITY, STATE, Z	UN BL	/1D.					_	10123	
DUBLIN		8	-				SONAL PROTE		QUIPMENT
PHONE					GLOVES			PIRATOR	A HARD HA
CONTACT PER	RSON	the second s	-				ETY VEST		
PATRICK	COSTE	I O RIZED AGENT / TITLE		DATE	SPECIAL H	ANDLIN	IG PROCEDURE	S:	
	AUTHOR	AGENT / TITLE		DATE					
*				10/28/11	1.10				
		ereby certify that the above named mail or title 22 of the California code of regu							
regulations: AND, If th	anu packageo, a he wasta is a to	no is in proper condition for transportat	ion ancord	ding to applicable					
accordance with the re 40 CFR Part 261.	requirements of 4	to CFR Part 268 and is no longer a haz	has been tardous wa	treated in aste as defined by	RECEIVING	FACIL	ТҮ		
WASTE TYPE:	_				1	-		_	
								-	
DEBRIS DSPECIAL W	VASTE								
GENERATING F				-				-	
7544 DUBI	LIN BLV	D. AND 6707 GOI 1	DEN	GATE DRI	VE. DUBL	IN. C.	A		
TRANSPORTER	R						ICENSE NUMBER	TRI	JCK NUMBER
DENBEST ADDRESS	EIRAN	SPORTATION INC.		14	1	146	Class		55
810 DENB		. SUITE 107						2	00
CITY, STATE, ZI WINDSOR		102			Rom	DRU	INNER TR.	uce Li	INCS
PHONE		197 <u>/</u>	_		END DUA		BOTTOM DU		TRANSFER
800-838-14 SIGNATURE OF		ZED AGENT OR DRIVER			2				
	Authoni	LED AGENT OR DRIVER		DATE	ROLL-OFF	<u>F(S)</u>	FLAT-BED	VAN	DRUMS
*	1		1	10 28 11	-		-		u .
	50 mg 2 mg								Section 1
I boroby oou	utifs , the state				CUBIC YARD	05			
accepted an	nd to the	the above named mate best of my knowledge	erial h	has been					
	is t	rue and accurate.		- caoing	DISPOSAL ME	THOD:	(TO BE COMPLE	TED BY L	ANDFILL)
							DISPOSE		OTHER
REMARKS			-		SOIL				
REMARKS						CTION			
REMARKS FACILITY TICKE	TNUMBEF								
						BLE			
FACILITY TICKE				DATE	CONSTRU DEBRIS	BLE			
FACILITY TICKE				DATE	CONSTRUDEBRIS	BLE			

TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 620851



644328

() FORWA	KD ·		285640	GRID
INCORPORA	TED		WEIGHN	
9999 South Austin Road/WEIGHING LOCATION	1145 W. Charterway	BB0007	'S BREDGETTE B	
Manteca, CA 95336	Stockton, CA 95206	DATE IN		TIME IN
Landfill: (209) 982-4298/WEIGHING LOCATION Resource Recovery: (209) 982-4298	Main Office: (209) 466-4482 Fax: (209) 465-0631	28	October 2011	8:53 am
		DATE OUT		TIME OUT
PACIFIC STATES ENVIRONMEN	TAL.	28 0	latober 2011	8 a 533 avn
GARY OVERTON		VEHICLE	1	ROLL OFF
11555 DUBLIN BLVD.		FUNO	2223	
DURLIN, CA 94568		REFERENCE	ORIGIN	
Contract: 42041110739			DUDELLEY	N
Gross Weight 78,5	20.00 115	Thisound		

Shoned Tame Wedg	jht 78,520.00 15 I jht 30,940.00 15 jht 47,580.00 15 23.79 TN	hloound			
QTY. UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23. 79 TN	SW-CONT SOIL				
1 m - 1	MANIFEST# 620850			-	NET AMOUN
		in	2		TENDERED
					CHANGE CHECK NO
ALLIED WASTE SERVICES	PANY				

L Keller Canyon Sanitary Landfill 901 Bailey Road Pittsburg, CA 94565 Phone (925) 458-9800 Fax (925) 458-9891	Landfill 28972 Coffin Butte Boad Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826	Ox Mounta Sanitary La 12310 San Mater Half Moon Bay, C Phone (650) 726 Fax (650) 726-91 ZARDOUS WA	o Road 2A 94019 -1819 83	Newby Islar Sanitary Lau 1601 Dixon Landi Milpitas, CA-9503 Phone (408) 945- Fax (408) 262-287	ndfill ng Road 5 2800	Forw Land 9999 S Manteo Phone Fax (20
GENERATOR		ANDOUS WA	SIE MAI	VIFESI		
	Y CADILLAC ISUZU	1101	in the second	WASTE AC	CEPT	ANCE NO.
MAILING ADDRESS						
CITY, STATE, ZIP	LVD.					10123
			REQUIF	ED PERSONAL	PROTE	CTIVE EQU
PHONE DUBLIN, CA 94	568		GLOVE			PIRATOR
CONTACT PERSON			D TY-VEK	SAFETY VES		
				~		
SIGNATURE OF AUTH	ORIZED AGENT / TITLE			HANDLING PROC	EDURE	S:
CIGINITOTIL OF ADIT	OHIZED AGENT / HILE	DATE	-			
*	1.6	10/28/11				
GENERATOR'S CERTIFICATION waste as defined by 40 CER Part	: I hereby certify that the above named materia	l is not a hazardous	-			

Forward

Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

MAILING ADDRESS	10100
CITY, STATE, ZP	
DUBLIN, CA 94568	REQUIRED PERSONAL PROTECTIVE EQUIPMEN
PHONE	GLOVES GOGGLES GRESPIRATOR CHARD
CONTACT PERSON	TY-VEK SAFETY VEST
PATRICK COSTELLO	SPECIAL HANDLING PROCEDURES:
SIGNATURE OF AUTHORIZED AGENT / TITLE	
* 0120 10/28/	/1)
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardout waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been prop described, classified and packaged, and is in proper condition for transportation a "cording to applica regulations; AND, If the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as define 40 CFR Part 261.	erly able se
WASTE TYPE:	
DISPOSAL SLUDGE CONSTRUCTION WOOD DEBRIS OTHER SPECIAL WASTE OTHER	
GENERATING FACILITY	
7544 DUBLIN BLVD. AND 6707 GOLDEN GATE I	DRIVE, DUBLIN, CA
TRANSPORTER	
DENBESTE TRANSPORTATION INC.	NOTES: VEHICLE LICENSE NUMBER TRUCK NUMBE
ADDRESS 810 DENRESTE CT. SUPER 107	L91251849 2223
STO DENBESTE CT. SUITE 107 CITY, STATE, ZIP	
WINDSOR, CA 95492 PHONE	I.E.C. PUNO TRUCING
	FMD DUM
SIGNATURE OF AUTHORIZED AGENT OR DRIVER DATE	
DATE DATE	ROLL-OFF(S) FLAT-BED VAN DRUM
* fting fins 10/28/1	
	CUBIC YARDS
A hereby certify that the above named material has been	
accepted and to the best of my knowledge the foregoing	
is true and accurate.	9 DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)
	DISPOSE OTHER
EMARKS	
ACILITY TICKET NUMBER	
	ASBESTOS



644367

GRID

INCORPORATED	Y8 2356	579		
9999 South Austin Road/WEIGHING LOCATION 1145 W. Charterway Manteca, CA 95336	BB00078 BF	WEIGHN REIDGETTE B		
Wanteca, CA 95336 Stockton, CA 95206 Landfill: (209) 982-4298/WEIGHING LOCATION Main Office: (209) 466-4482 Resource Recovery: (209) 982-4298 Fax: (209) 465-0631		ber 2011	TIME IN 9 a 299	evm
PACIFIC STATES ENVIRONMENTAL. GARY OVERTON	28 Octob	er 2011	9 # 4-8 - au	n
11555 DUBLIN BLVD. DUBLIN, CA 94568	CHICLE		ROLL OFF	
Contract: 42041110739	REFERENCE	ORIGIN DUJEL. TA	1	
Net Weight 33,300.00 lb 17.40 TN	ntoquanet		1.1	
QTY. UNIT DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
MANIFEST# 620853	1			
DRIVER SIGNATURE	HOV		20	TENDERED
ALLIED WASTE SERVICES			t	CHECK NO.
SA REPUBLIC SERVICES COMPANY				

SITE TICKET

LI Keller Canyon	
Sanitary Landfill	La
901 Bailey Road	289
Pittsburg, CA 94565	Cor
Phone (925) 458-9800	Pho

Fax (925) 458-9891

Coffin Butte

28972 Coffin Bure Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826

Ox Mountain

Sanitary Landfill 12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183 Newby Island Sanitary Landfill 1601/Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871 Forward

Landfill 9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

CROWN CHEVY CADILLAC ISUZU		-	WAS	TE ACCEPT/	ANCE NO	Э.
MAILING ADDRESS	and the second second	_			10123	
CITY, STATE, ZIP		BEOLID				
DUBLIN, CA 94568				ONAL PROTE		
PHONE		GLOVES			PIRATOR	MARD I
CONTACT PERSON				TY VEST		
PATRICK COSTELLO		SPECIAL	HANDLING	PROCEDURE	S:	
SIGNATURE OF AUTHORIZED AGENT / TITLE	DATE	-				
	1. 1.	- 1 / / /				
*	10/28/11	1.1.1.1.1				
GENERATOR'S CERTIFICATION: I hereby certify that the above named materi waste as defined by 40 CFR Part 261 or title 22 of the California code of regulat described, classified and packaged, and is in proper condition for transportation regulations: AND, if the waste is a treatment performed of a product of	tions, has been properly					
subject to the Land Disposal Restrictions, I certify and warrant that the waste ha accordance with the requirements of 40 CFR Part 268 and is no longer a hazard 40 CFR Part 261.	ed hazardous waste	RECEIVIN	IG FACILITY	Y		-
WASTE TYPE:			_			
DISPOSAL SLUDGE CONSTRUCTION WOOD						
DEBRIS DOTHER						
SPECIAL WASTE						
GENERATING FACILITY			-			
7544 DUBLIN BLVD. AND 6707 GOLDI	EN GATE DR	IVE, DUB	LIN, CA			
TRANSPORTER			VEHICLE LIC	ENSE NUMBER	TPU	
TRANSPORTER DENBESTE TRANSPORTATION INC.			VEHICLE LIC	ENSE NUMBER	TRU	CK NUMBEI
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS			VEHICLE LIC 9B92	ENSE NUMBER	TRU	CK NUMBEI 96
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107			VEHICLE LIC 9B92	ENSE NUMBER	TRU	
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR, CA 95492			VEHICLE LIC 9B97	293	Y	CK NUMBEI 96
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE			9B92	293 TRUCK	ING ING	96
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477		NOTES:	9B92	293 TRUCKI BOTTOM DU	ING ING	96
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477	DATE	NOTES:	9B92	293 PUCK BOTTOM DU FLAT-BED	ING ING	
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER		NOTES:	9B92	293 TRUCKI BOTTOM DU	ING IMP	
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE	NOTES:	9B92 JILL JMP F(S)	293 PUCK BOTTOM DU FLAT-BED	ING IMP VAN	DRUM
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE 10/28/11	NOTES:	9B92 JILL JMP F(S)	293 PUCK BOTTOM DU FLAT-BED	ING IMP VAN	
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER I hereby certify that the above named mater accepted and to the best of my knowledge to	DATE 10/28/11		AB92 INLL IMP F(S)	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE DRUM
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE 10/28/11	NOTES:	AB92 INLL IMP F(S)	293 PUCK BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER I hereby certify that the above named mater accepted and to the best of my knowledge to	DATE 10/28/11		AB92 INLL IMP F(S)	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE 10/28/11		AB92 INLL IMP F(S)	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 300-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER * I hereby certify that the above named mater accepted and to the best of my knowledge th is true and accurate.	DATE 10/28/11	NOTES:	AB97	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 300-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER * I hereby certify that the above named mater accepted and to the best of my knowledge th is true and accurate.	DATE 10/28/11	NOTES:	AB92 INUL IMP F(S) RDS NETHOD:	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER * I hereby certify that the above named mater accepted and to the best of my knowledge th is true and accurate. REMARKS ACILITY TICKET NUMBER	DATE 10/28/11	NOTES:	AB92	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE 800-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER * I hereby certify that the above named mater accepted and to the best of my knowledge th is true and accurate. REMARKS ACILITY TICKET NUMBER	DATE 10/28/11	NOTES:	AB92	293 PUCKI BOTTOM DU FLAT-BED		TRANSFE
TRANSPORTER DENBESTE TRANSPORTATION INC. ADDRESS 810 DENBESTE CT. SUITE 107 CITY, STATE, ZIP WINDSOR. CA 95492 PHONE S00-838-1477 SIGNATURE OF AUTHORIZED AGENT OR DRIVER	DATE 10/28/11	NOTES: 1	AB92	293 PUCKI BOTTOM DU FLAT-BED		TRANSFEI DRUM DRUM

TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

MANIFEST # 620853

9999 South Austin Road/WEIGH Manteca, CA 95336	Charter way	BB00078 B	WEIGH RCLODGIETTTEL I	MASTER	
Landfill: (209) 982-4298/WEIGH Resource Recovery: (209) 982-429	ING LOCATION Stockton, CA 95206 18 Main Office: (209) 466-4482 Fax: (209) 465-0631 Fax: (209) 465-0631	DATE IN 28 Oct	ober 2011	TIME IN 9:837 a	i. en
	ENVIRONMENTAL	DATE OUT		TIME OUT	
GARY OVERTON		VEHICLE	oen 2011	9:37 au	n
11555 DUBLIN	BL.VD.	J & J 123	3	ROLL OFF	
UBLIN, CA 94 ontract: 4204	548 1 1 4 Amerika	REFERENCE	ORIGIN	1	- starte
sector and on observe	1.T.T.O.X3A		DUBLI	N	
Stoned Tane W Net W		N			
Net War I ser w Wi Net Wa	eight 47,900.00 15 23.95 Tr Description	RATE	FYTENSION		
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oty. Unit	eight 47,900.00 15 23.95 Tr DESCRIPTION		EXTENSION	TAX	TOTAL
oty. Unit	eight 47,900.00 15 23.95 Tr DESCRIPTION		EXTENSION	TAX	TOTAL

CHANGE

CHECK NO.

ALLIED WASTE SERVICES

A REPUBLIC SERVICES COMPANY

LI Keller Canyon	
Sanitary Landfill	Landf
901 Bailey Road	28972 C

Pittsburg, CA 94565

Fax (925) 458-9891

Phone (925) 458-9800

ill 28972 Coffin Butte Road Corvallis, OR 97330 Phone (541) 745-2018 Fax (541) 745-3826

Butte

Ox Mountain

Sanitary Landfill 12310 San Mateo Road Half Moon Bay, CA 94019 Phone (650) 726-1819 Fax (650) 726-9183

□ Newby Island Sanitary Landfill 1601 Dixon Landing Road Milpitas, CA 95035 Phone (408) 945-2800 Fax (408) 262-2871

Forward Landfill

9999 S. Austin Road Manteca, CA 95336 Phone (209) 982-4298 Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR CROWN CHEVY CADILLAC ISUZU	WASTE ACCEPTANCE NO.
MAILING ADDRESS	
CITY, STATE, ZIPIN BEVD.	10123
DURLIN CA 94568	REQUIRED PERSONAL PROTECTIVE EQUIPMEN
PHONE	
CONTACT PERSON	
SIGNATURE OF AUTHORIZED AGENT / TITLE	SPECIAL HANDLING PROCEDURES:
SIGNATORE OF AUTHORIZED AGENT / TITLE DATE	
*	28/11
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazard	
described, classified and packaged, and is in proper condition for transportation a cording to app regulations: AND if the west is a transport packaged and the second sec	roperty Jicable
accordance with the requirements of 40 CFR Part 268 and is no longer a baradaya ware	RECEIVING FACILITY
40 CFR Part 261. WASTE TYPE:	
CONSTRUCTION WOOD DEBRIS OTHER	
GENERATING FACILITY	
7544 DUBLIN BLVD. AND 6707 GOLDEN GATT	DRIVE, DUBLIN, CA
RANSPORTER	NOTES: VEHICLE LICENSE NUMBER TRUCK NUMBE
DENBESTE TRANSPORTATION INC.	activity and
810 DENBESTE CT. SUITE 107	
WINDSOR CA 95492	J.J. TRANK FORT
PHONE	
IGNATURE OF AUTHORIZED AGENT OR DRIVER	
DATE	ROLL-OFF(S) FLAT-BED VAN DRUM
Kalma, M And 10/20	
Hard Hard	
	CUBIC YARDS
I hereby certify that the above named material has be	en
accepted and to the best of my knowledge the forego is true and accurate.	DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)
is true and accurate.	
	DISPOSE OTHER
EMARKS	
ACILITY TICKET NUMBER	
	D NON-FRIABLE
GNATURE OF AUTHORIZED AGENT DATE	ASBESTOS
A MILLER M	
A ALVIIX V	O ASH
	SPECIAL OTHER

MANIFEST # 620854

REPUBLIC SERVICES. INC.	R	epublic S 18500 N. Allied War	ervices, y, Phoenix, AZ 85054	Inc.
	SPECIAL W	ASTE DEPARTME	NT DECISION	
	Waste Profile # 42041110739	Expira 7/8/20	tion Date 112	
. Decision Request:	🛛 Initial	Recertification	🖺 Change	
Disposal Facility: 4204 - Forward L/F				
Generator Name: Crown Chevy Cadillac	Isuzu			
Senerator Site Address: 7544 Dublin Bl	rd			
Sity: Dublin	County:	State:	CA	Zip:
ame of Waste: VOC affected soil				
stimated Annual Volume: 350 Tons				
. Special Waste Department De	cision:	🗸 Approved 🛛 🕅 Re	jected	
Aanagement Method(s):		()	Transfer Facility	,
roblematic Special Waste according to	housepaper -	Yes V No	Lorent	
		105 <u>v</u> 100		
yes, which one?				
pproved by Special Waste Review Co	nmittee?	Yes No	Not Applicable	
	Precautions, (Conditions or Limitati	ons on Approval	
	ξi.			
peciał Waste Analyst Signature:	polie Har	ritton		Name (Printed): <u>Leslie Hamilton</u>
ate: 7/14/2011	polie Har	ritton	Rejected	Name (Printed): <u>Leslie Hamilton</u>
ate: 7/14/2011	Procentions	762-753	Rejected	Name (Printed): <u>Leslie Hamilton</u>
ate: 7/14/2011	Precautions, C	nilton Approved	-	Name (Printed): <u>Leslie Hamilton</u>
ate: 7/14/2011	Precautions, C	762-753	-	Name (Printed): <u>Leslie Hamilton</u>
ate: 7/14/2011 I. Facility Decision: y signing below, the General Manager or		Conditions or Limitation	ons on Approval	
ate: 7/14/2011 II. Facility Decision: y signing below, the General Manager or pecial waste file is complete.	Designee agrees th	Conditions or Limitation	ons on Approval	it is on file for this profile and that the
ate: 7/14/2011 II. Facility Decision: y signing below, the General Manager or	Designee agrees th	Conditions or Limitation	ons on Approval	it is on file for this profile and that the



APPENDIX D

Industrial Wastewater Discharge Permit, Sampling and Flow Report

November 22, 2011

Mr. Erik Kuefner Dublin San Ramon Services District Environmental Compliance Section 7399 Johnson Drive Pleasanton, California 94588

Subject: Sampling and Flow Report for Discharge of Excavation Water Under Industrial Wastewater Discharge Permit No. 11012 Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

Dear Mr. Kuefner:

Attached for your review and approval are the analytical laboratory reports for a waste water sample that was collected by AMEC Geomatrix, Inc. (AMEC), on November 15, 2011, at the Crown Chevrolet Cadillac Isuzu facility located at 7544 Dublin Boulevard, in Dublin, California (the site). The sample was collected from the water currently contained in an on-site storage tank; the water represents groundwater that was removed from an on-site excavation. This letter has been prepared in accordance with the requirements listed in Industrial Wastewater Discharge Permit No. 11012 (the permit).

Sampling Report

The sample was analyzed for Total Toxic Organic Compounds using EPA Method 624 and 625; and total petroleum hydrocarbons quantified as gasoline and diesel using EPA Method 8015. Following your verbal approval during our telephone call on November 15, 2011, the sample was not analyzed using EPA Method 602 for benzene, toluene, ethylbenzene, and xylenes (BTEX), because these compounds are already included in the EPA 624 method. The sample was analyzed by Alpha Analytical, a California Department of Health-certified analytical laboratory located in Sparks, Nevada.

The analytical laboratory results show that the excavation water currently contained in the onsite baker tank meets the discharge limits listed in Appendix A of the permit.

Flow Report

Approximately 5,600 gallons of water are currently stored in the tank. Pacific States Environmental, the contractor who performed the excavation, will discharge this water by letting it gravity feed into the sanitary sewer cleanout located inside the building as shown in the figure included in the permit. The flow rate will not exceed 100 gallons per minute. This will be conducted during the week of November 28, 2011, or the following week. The discharge will cease when no more liquid flows from the tank via gravity flow. Residual liquid and solids that have settled to the bottom of the tank will not be discharged. They will be disposed of off-site, at an appropriately licensed waste disposal facility. FAX NO. :

GEOWATRIX.

15106634141 11/22/2011 10 50 FAX

Erik Kuelner Dublin San Ramon Services District November 22, 2011 Page 2

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely yours,

Patrick Costello Owner Crown Chevrolet Cadillac Isuzu

Attachment Analytical Laboratory Report, Alpha Analytical

Co: VAndrew Lojo, AMEC Geomatrix, Inc. Avery Patton, AMEC Geomatrix, Inc. Gary Overton, Pacific States Environmental



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

Date: 21-Nov-1 Andrew Lojo AMEC Geomatr 2101 Webster St Oakland, CA 9 (510) 663-4153	ix Consultants treet	12th Floor		CASE NARRATIVE
Job: Work Order:	Crovon Chevy GMT11111643		Cooler Temp:	0 °C
Alpha's	Sample ID	Client's Sample ID	Matri	x
11111	643-01A	EX-WATER-TANK-2	Aqueo	us

Enclosed please find the analytical results of the samples received by Alpha Analytical, Inc. under the above mentioned Work Order/Chainof-Custody.

Alpha Analytical, Inc. has a formal Quality Assurance/Quality Control program, which is designed to meet or exceed the EPA requirements. All relevant QC met quality assurance objectives for this project unless otherwise stated in the footnotes.

All analyses performed by Alpha Analytical, Inc. were under Certification Number 2019 by the California Department of Health Services.

If you have any questions with regards to this report, please contact Randy Gardner, Project Manager, at (800) 283-1183.

Roger Scholl

Walter Alm Kandy Soulmer

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



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ANALYTICAL REPORT

AME	C Geomatrix Consultants								
2101	Webster Street								
Oakla	2101 Webster Street Dakland, CA 94612 Job: Crovon Chevy								
Job:	Crovon Chevy								

 Attn:
 Andrew Lojo

 Phone:
 (510) 663-4153

 Fax:
 (510) 663-4141

Alpha Analytical Number: GMT11111643-01A Client I.D. Number: EX-WATER-TANK-2

Sampled:	11/15/11	16:45
Received:	11/16/11	
Extracted:	11/15/11	12:10
Analyzed:	11/16/11	

Semivolatile Organics by GC/MS

EPA Method 625

	Compound	Concentration	Reporting	Limit		Compound	Concentration	Reporting L	imit
1	N-Nitrosodimethylamine	ND	50	µg/L	36	Phenanthrene	ND	10	µg/L
2	Phenol	ND	10	µg/L	37	Anthracene	ND	10	μg/L
3	2-Chlorophenol	ND	10	µg/L	38	Di-n-butyl phthalate	ND	50	μg/L
4	Bis(2-chloroethyl)ether	ND	10	µg/L	39	Fluoranthene	ND	10	μg/L
5	Bis(2-chloroisopropyl)ether	ND	10	µg/L	40	Pyrene	ND	10	µg/L
6	N-Nitrosodi-n-propylamine	ND	10	µg/L	41	Benzidine	ND	100	µg/L
7	Hexachloroethane	ND	20	µg/L	42	Butyl benzyl phthalate	ND	20	μg/L
8	Nitrobenzene	ND	10	µg/L	43	Benzo(a)anthracene	ND	10	µg/L
9	Isophorone	ND	10	µg/L	44	3,3'-Dichlorobenzidine	ND	20	µg/L
10	2-Nitrophenol	ND	10	µg/L	45	Chrysene	ND	10	μg/L
11	2,4-Dimethylphenol	ND	10	µg/L	46	Bis(2-ethylhexyl)phthalate	ND	- 50	μg/L
12	Bis(2-chloroethoxy)methane	ND	10	µg/L	47	Di-n-octyl phthalate	ND	50	µg/L
13	2,4-Dichlorophenol	ND	10	µg/L	48	Benzo(b)fluoranthene	ND	10	µg/L
14	1,2,4-Trichlorobenzene	ND	10	µg/L	49	Benzo(k)fluoranthene	ND	10	µg/L
15	Naphthalene	ND	10	ug/L	50	Benzo(a)pyrene	ND	10	µg/L
16	Hexachlorobutadiene	ND	20	µg/L	51	Indeno(1,2,3-cd)pyrene	ND	10	μg/L
17	4-Chloro-3-methylphenol	ND	20	µg/L	52	Dibenz(a,h)anthracene	ND	10	µg/L
18	Hexachlorocyclopentadiene	ND	100	μg/L	53	Benzo(g,h,i)perylene	ND	10	µg/L
19	2,4,6-Trichlorophenol	ND	10	µg/L	54	Surr: 2-Fluorophenol	42	(26-130)	%RE
20	2-Chloronaphthalene	ND	10	µg/L	55	Surr: Phenol-d5	25	(17-130)	%RE(
21	Dimethyl phthalate	ND	10	µg/L	56	Surr: Nitrobenzene-d5	78	(48-132)	%RE(
22	Acenaphthylene	ND	10	µg/L	57	Surr: 2-Fluorobiphenyl	80	(35-130)	%REC
23	2,6-Dinitrotoluene	ND	10	µg/L	58	Surr: 2,4,6-Tribromophenol	57	(36-151)	%REC
24	Acenaphthene	ND	10	µg/L	59	Surr: 4-Terphenyl-d14	86	(51-144)	%REC
25	2,4-Dinitrophenol	ND	100	µg/L					
26	4-Nitrophenol	ND	50	µg/L			;		
27	2,4-Dinitrotoluene	ND	10	µg/L					
28	Diethyl phthalate	ND	10	µg/L					
29	Fluorene	ND	10	µg/L					
30	4-Chiorophenyl phenyl ether	ND	10	µg/L					
31	4,6-Dinitro-2-methylphenol	ND	100	µg/L					
32	N-Nitrosodiphenylamine	ND	10	µg/L					
33	4-Bromophenyl phenyl ether	ND	10	µg/L					
34	Hexachlorobenzene	ND	10	µg/L					
25	Dentechlosenhoust		10						

ND = Not Detected

Pentachlorophenol

35

Roger Scholl

ND

Kandyse

50

µg/L

Walter Ala

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

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

11/17/11

Report Date

Page 1 of 1



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ANALYTICAL REPORT

AMEC Geomatrix Consultants 2101 Webster Street Oakland, CA 94612

Attn: Andrew Lojo Phone: (510) 663-4153 Fax: (510) 663-4141 Date Received : 11/16/11

Job: Crovon Chevy

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	EX-WATER-TANK-	2				
Lab ID :	GMT11111643-01A	TPH-E (DRO)	0.094 J Z	0.050 mg/L	11/16/11	11/16/11
Date Sampled	11/15/11 16:45	Surr: Nonane	121	(49-145) %REC	11/16/11	11/16/11
		TPH-P (GRO)	ND	0.050 mg/L	11/16/11	11/16/11
		Surr: 1,2-Dichloroethane-d4	98	(70-130) %REC	11/16/11	11/16/11
		Surr: Toluene-d8	98	(70-130) %REC	11/16/11	11/16/11
		Surr: 4-Bromofluorobenzene	104	(70-130) %REC	11/16/11	11/16/11

Diesel Range Organics (DRO) C13-C22

Gasoline Range Organics (GRO) C4-C13

Z = DRO concentration may include contributions from lighter-end and heavier-end hydrocarbons that elute in the DRO range. ND = Not Detected

Roger Scholl Kandy Soul

Roger L. Schoil, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise. Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

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11/17/11

Report Date



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ANALYTICAL REPORT

AMEC Geomatrix Consultants 2101 Webster Street Oakland, CA 94612 Job: Crovon Chevy

Alpha Analytical Number: GMT11111643-01A Client I.D. Number: EX-WATER-TANK-2 Attn:Andrew LojoPhone:(510) 663-4153Fax:(510) 663-4141

Sampled: 11/15/11 16:45 Received: 11/16/11 Extracted: 11/16/11 Analyzed: 11/16/11

Volatile Organics by GC/MS EPA Method 624/SW8260B

			Reporting				Reporting
	Compound	Concentration	Limit		Compound	Concentration	Limit
1	Chloromethane	ND	2.0 µg/L	26	Ethylbenzene	ND	1.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L	27	Bromoform	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L	28	1,1,2,2-Tetrachioroethane	ND	1.0 µg/L
4	Bromomethane	ND	2.0 µg/L	29	1,3-Dichlorobenzene	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L	30	1,4-Dichlorobenzene	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L	31	1,2-Dichlorobenzene	3.6	1.0 µg/L
7	Dichloromethane	ND	2.0 μg/L	32	Surr: 1,2-Dichloroethane-d4	98	(70-130) %RE0
8	trans-1,2-Dichloroethene	ND	1.0 µg/L	33	Surr: Toluene-d8	98	(70-130) %RE0
9	1,1-Dichloroethane	ND	1.0 µg/L	34	Surr: 4-Bromofluorobenzene	104	(70-130) %RE(
10	Chloroform	ND	1.0 µg/L			1 1	
11	1,2-Dichloroethane	ND	1.0 µg/L				
12	1,1,1-Trichloroethane	ND	1.0 µg/L				
13	Carbon tetrachloride	ND	1.0 µg/L				
14	Benzene	ND	1.0 µg/L				
15	1,2-Dichloropropane	ND	1.0 µg/L				
16	Trichloroethene	ND	1.0 µg/L				
17	Bromodichloromethane	ND	1.0 µg/L				
18	2-Chloroethylvinylether	ND *	5.0 µg/L				
19	cis-1,3-Dichloropropene	ND	1.0 µg/L				
20	trans-1,3-Dichloropropene	ND	1.0 µg/L				
21	1,1,2-Trichloroethane	ND	1.0 µg/L				
22	Toluene	ND	1.0 µg/L				
23	Dibromochloromethane	ND	1.0 µg/L				
24	Tetrachloroethene	ND	1.0 µg/L				
25	Chiorobenzene	ND	1.0 µg/L				•

*Analyte was analyzed separately on 11/17/11.

ND = Not Detected

Roger Scholl

Kandy Soular

Walter Aridman

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

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Report Date

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VOC Sample Preservation Report

Work Order: GMT11111643	Job: Crovon Chevy			
Alpha's Sample ID	Client's Sample ID	Matrix	рН	
11111643-01A	EX-WATER-TANK-2	Aqueous	2	

11/17/11 Report Date



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Date: 		Sample	rt GMT11111643	
Test Code	Batch ID	Alpha's Lab ID	Client's Sample ID	Analytical Date
BNA_W	27704	GMT11111643-01A	EX-WATER-TANK-2	11/16/2011
TPH/E_W	27716	GMT11111643-01A	EX-WATER-TANK-2	11/16/2011
TPH/P_W	M\$15W1116B	GMT11111643-01A	EX-WATER-TANK-2	11/16/2011
VOC_W	MS15W1116A	GMT11111643-01A	EX-WATER-TANK-2	11/16/2011

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Dilution Factor Report

Work Order: GMT11111643		Job:	Crovon Chevy							
Sample ID			Test Name	Analysis Date	Dilution Factor					
11111643-01A	EX-WATER-TANK-2		SW8270C	Semivolatile Organics by GC/MS	11/16/2011	1.0				
			SW8015	Total Petroleum Hydrocarbons- Extractable	11/16/2011	1.0				
			SW8015	Total Petroleum Hydrocarbons- Purgeable	11/16/2011	1.0				
			SW8260B	Volatile Organics by GC/MS	11/16/2011	1.0				



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Date: 21-Nov-11	QC Summary Report							
Method Blank		Type: MBLK	Test Code: EPA Met	thod 625				
File ID: 11111604.D			Batch ID: 277041		Analysis Date:	11/16/2011 12:24		
Sample ID: MBLK-27704	Units : µg/L	Run I	D: MSD_16_111115A		Prep Date:	11/15/2011 12:10		
Analyte	Result	PQL Sp	kVal SpkRefVal %REC	LCL(ME)	UCL(ME) RPDRef	Val %RPD(Limit)	Qu	
N-Nitrosodimethylamine	ND	50				· · · · · · · · · · · · ·		
Phenol	ND	10						
2-Chlorophenol Bis(2-chloroethyl)ether	ND	10						
Bis(2-chloroisopropyl)ether	ND ND	10 10						
N-Nitrosodi-n-propylamine	ND	10						
Hexachioroethane	ND	20						
Nitrobenzene	ND	10						
Isophorone	ND	10						
2-Nitrophenol	ND	10						
2,4-Dimethylphenol Bis(2-chloroethoxy)methane	ND ND	10						
2,4-Dichlorophenol	ND	10 10				•		
1,2,4-Trichlorobenzene	ND	10						
Naphthalene	ND	10						
4-Chloro-3-methylphenol	ND	20						
Hexachlorobutadiene	ND	20						
Hexachlorocyclopentadiene	ND	100						
2,4,6-Trichlorophenol 2-Chloronaphthalene	ND	10						
Dimethyl phthalate	ND	10						
Acenaphthylene	ND ND	10 10						
2.6-Dinitrotoluene	ND	10)			
Acenaphthene	ND	10						
2,4-Dinitrophenol	ND	100				· · · · · ·		
4-Nitrophenol	ND	50						
2,4-Dinitrotoluene	ND	10						
Diethyl phthalate	ND	10						
Fluorene 4-Chlorophenyl phenyl ether	ND ND	10 10						
4,6-Dinitro-2-methylphenol	ND	100						
N-Nitrosodiphenylamine	ND	10						
4-Bromophenyl phenyl ether	ND	10						
Hexachlorobenzene	ND	10						
Pentachlorophenol	ND	50						
Phenanthrene	ND	10						
Anthracene Di-n-butyl phthalate	ND	10						
Fluoranthene	ND ND	50 10						
Pyrene	ND	10						
Benzidine	ND	100						
Butyl benzyl phthalate	ND	20						
Benzo(a)anthracene	ND	10						
3,3'-Dichlorobenzidine	ND	20						
	ND	10						
Bis(2-ethylhexyl)phthalate	ND	50						
Di-n-octyl phthalate Benzo(b)fluoranthene	ND	50						
Benzo(k)fluoranthene	ND ND	10 10						
Senzo(a)pyrene	ND	10						
ndeno(1,2,3-cd)pyrene	ND	10						
Dibenz(a,h)anthracene	ND	10						
Benzo(g,h,i)perylene	ND	10						
Surr: 2-Fluorophenol	118		200 59	26	130			
Surr: Phenol-d5	76.3		200 38	17	130	•		
Surr: Nitrobenzene-d5	78.4		100 78	48	132			
• •								
Surr: 2-Fluorobiphenyl Surr: 2,4,6-Tribromophenol Surr: 4-Terphenyl-d14	97.4 97.4 147 90.9		100 97 200 74 100 91	48 35 36 51	130 151 144			



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Date: 21-Nov-11	QC Summary Report								Work Orde 11111643	
Laboratory Control Spike		Type: LCS	Τe	est Code: EP	A Meti	nod 625				
File ID: 11111605.D			Ba	atch ID: 27704	41		Analys	is Date:	11/16/2011 12:49	
Sample ID: LCS-27704	Units : µg/L	Ru	In ID: MS	SD_16_11111	15A		Prep D	ate:	11/15/2011 12:10	
Analyte	Result					LCL(ME)	UCL(ME) F	RPDRef	/al %RPD(Limit)	Qual
Phenol	35	10	100		35	5	112			
2-Chlorophenol	70.1	10	100		70	23	134			
N-Nitrosodi-n-propylamine 1,2,4-Trichlorobenzene	79.1	10	100		79 58	1 44	230 142			
4-Chloro-3-methylphenol	57.8 65.1	10 20	100 100		50 65	22	142			
Acenaphthene	69.8	10	100		70	47	145			
4-Nitrophenol	105	50	400		26	1	132			
2,4-Dinitrotoluene	78.6	10	100		79	39	139			
Pentachlorophenol	250	50	400		63	14	176			
Pyrene Surr: 2-Fluorophenol	77.2	10	100		77 67	52 26	115 130			
Sur: Phenol-d5	133 95.5		200 200		48	17	130			
Surr: Nitrobenzene-d5	83.6		100		84	48	132			
Surr: 2-Fluorobiphenyl	92.6		100		93	35	130			
Surr: 2,4,6-Tribromophenol	225		200		112	36	151			
Surr: 4-Terphenyl-d14	107		100		107	51	144			
Sample Matrix Spike		Type: MS	Te	est Code: EP	A Meti	nod 625				
File ID: 11111609.D			Ba	atch ID: 27704	41				11/16/2011 16:13	
Sample ID: 11111643-01AMS	Units : µg/L	Ru		SD_16_1111'			Prep D		11/15/2011 12:10	
Analyte	Result	PQL	SpkVal	SpkRefVal %	%REC	LCL(ME)	UCL(ME)	RPDRef	/al %RPD(Limit)	Qual
Phenol	20	10	100	0	20	5	112			
2-Chlorophenol	49.4	10	100	0	49	23	134			
N-Nitrosodi-n-propylamine	67.2	10	100	0	67	1	230	•		
1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol	58.3	10	100 100	0	58 46	44 22	142 147			
Acenaphthene	46.1 61.2	20 10	100	0	40 61	47	147			
4-Nitrophenol	45.7	50	400	ŏ	11	1	132			
2,4-Dinitrotoluene	60.1	10	100	Ő	60	39	139			
Pentachlorophenol	169	50	400	0	42	14	176			
Pyrene	61.3	10	100	0	61	52	115			
Surr: 2-Fluorophenol	86.9		200		43	26	130			
Surr: Phenol-d5 Surr: Nitrobenzene-d5	56.9		200		28 68	17 48	130 132			
Sur: 2-Fluorobiphenyl	68.5 81.9		100 100		82	35	132			
Surr: 2,4,6-Tribromophenol	149		200		74	36	151			
Surr: 4-Terphenyl-d14	85.2		100		85	51	144			
Sample Matrix Spike Duplicate		Type: MSI) Τε	est Code: EP	A Meti	hod 625				
File ID: 11111610.D		•••		atch ID: 2770-	41 .		Analys	is Date:	11/16/2011 16:38	
Sample ID: 11111643-01AMSD	Units : µg/L	R		SD_16_1111 ⁴			Prep D		11/15/2011 12:10	
Analyte	Result	PQL	SpkVal	SpkRefVal 9	%REC	LCL(ME)	UCL(ME)	RPDRef	/al %RPD(Limit)	Qual
Phenol	28.7	10	100	0	29	5	112	20.02		
2-Chlorophenol	62.6	10	100	0	63	23	134	49.4		
N-Nitrosodi-n-propylamine	84	10	100	0	84	1	230	67.2		
1,2,4-Trichlorobenzene	69.3	10	100	0	69	44	142	58.3		
4-Chloro-3-methylphenol	58.2	20	100	0	58 72	22 47	147 145	46.0 61.2		
Acenaphthene 4-Nitrophenol	72.5 51.4	10 50	100 400	0	13	47	132	45.7		
2,4-Dinitrotoluene	67.6	10	100	ŏ	68	39	139	60.0		
Pentachlorophenol	222	50	400	Ŏ	55	14	176	169.2	2 26.9(50)	
Pyrene	66	10	100	0	66	52	115	61.34		
Surr: 2-Fluorophenol	106		200		53	26	130			
Surr: Phenol-d5	71.9		200		36	17	130			
Surr: Nitrobenzene-d5	79.7		100		80 06	48 35	132 130			
Surr: 2-Fluorobiphenyl Surr: 2,4,6-Tribromophenol	95.6 163		100 200		96 82	35 36	150			
Surr: 4-Terphenyl-d14	86.7		100		87	51	144			
· · · · · · · · · · · · · · · · · · ·										



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QC Summary Report

Work Order: 11111643

21-Nov-11 Comments:

Date:



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

Date: 21-Nov-11	QC Summary Report							Work Orde 11111643		
Method Blank File ID: 7A11161105.D Sample ID: MBLK-27716 Analyte TPH-E (DRO)	Units : mg/L	ype: M PQL 0.05	Bate Run ID: FID SpkVal S	ch ID: 2771 7_111116	6 A	hod SW80	Analy: Prep [sis Date: Date:	11/16/2011 15:01 11/16/2011 13:16 /al %RPD(Limit)	Qual
Surr: Nonane	0.122	0.05	0.15		81	49	145			
Laboratory Control Spike File ID: 7A11161106.D Sample ID: LCS-27716	T Units : mg/L	ype: L	Bate Run ID: FID	ch ID: 2771 7_111116	6 A	hod SW80	Analys Prep [sis Date: Date:	11/16/2011 15:28 11/16/2011 13:16	
Analyte TPH-E (DRO) Surr: Nonane	Result 2.21 0.135	PQL 0.05		pkRefVal	%REC 88 90	20 CLCL(ME) 70 49 [,]	UCL(ME) 130 145	RPDRef	/al %RPD(Limit)	Qual
Sample Matrix Spike File ID: 7A11161108.D Sample ID: 11111520-19AMS Analyte	Units : mg/L	ype: M PQL	Bate Run ID: FID	ch ID: 2771 _7_111116	6 A	hod SW80	Analys Prep [sis Date: Date:	11/16/2011 16:20 11/16/2011 13:16 /al %RPD(Limit)	Qual
TPH-E (DRO) Surr: Nonane	Result 2.45 0.101	0.05		0.07	95 67	53 49	150 145	INF DIVER		
Sample Matrix Spike Duplicate File ID: 7A11161109.D Sample ID: 11111520-19AMSD Analyte	Units : mg/L	ype: M PQL	Bate Run ID: FID	ch ID: 2771 _7_111116	6 A	hod SW80	Analys Prep [sis Date: Date:	11/16/2011 16:47 11/16/2011 13:16 /al %RPD(Limit)	Qual
TPH-E (DRO) Surr: Nonane	2.56 0.099	0.05		0.07	99 66	53 49	150 145	2.45		

Comments:



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Date: 21-Nov-11	(QC S	ummar	y Report	, . ,				Work Orde 11111643	
Method Blank File ID: 11111606.D Sample ID: MBLK MS15W1116B	Units : mg/L	Type: N	Ba	est Code: EP atch ID: MS1 SD_15_1111	5W111				11/16/2011 09:48 11/16/2011 09:48	
Analyte	Result	PQL	SpkVal	SpkRefVal 9	%REC	LCL(ME)	UCL(ME)	RPDRef	val %RPD(Limit)	Qual
TPH-P (GRO) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	ND 0.00946 0.0101 0.0102	0.05	0.01 0.01 0.01		95 101 102	70 70 70	130 130 130			
Laboratory Control Spike		Type: L	CS Te	est Code: EP	A Meti	hod SW80	15B/C			
File ID: 11111604.D			Ba	atch ID: MS1	5W111	6B	Analys	sis Date:	11/16/2011 09:05	
Sample ID: GLCS MS15W1116B	Units : mg/L		Run ID: MS	SD_15_1111 [.]	16A		Prep [Date:	11/16/2011 09:05	
Analyte	Result	PQL				LCL(ME)	UCL(ME)	RPDRef\	/al %RPD(Limit)	Qual
TPH-P (GRO) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	0.392 0.00947 0.01 0.0103	0.05	0.4 0.01 0.01 0.01	- <u> </u>	98 95 100 103	70 70 70 70 70	130 130 130 130 130		in na an	
Sample Matrix Spike		Type: N	IS Te	est Code: EP	A Metł	nod SW80	15B/C			
File ID: 11111629.D		•	Ba	atch ID: MS15	W111	6B	Analys	sis Date:	11/16/2011 18:03	
Sample ID: 11111643-01AGS	Units : mg/L		Run ID: MS	SD_15_11111	16A		Prep [Date:	11/16/2011 18:03	
Analyte	Result	PQL				LCL(ME)	UCL(ME)	RPDRef\	/al %RPD(Limit)	Qual
TPH-P (GRO) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	1.89 0.0475 0.0497 0.0511	0.25	2 0.05 0.05 0.05	0.05212	92 95 99 102	51 70 70 70	144 130 130 130			
Sample Matrix Spike Duplicate		Type: M	SD Te	est Code: EP	A Meth	nod SW80	15B/C			
File ID: 11111630.D			Ba	atch ID: MS15	W111	6B	Analys	is Date:	11/16/2011 18:25	
Sample ID: 11111643-01AGSD	Units : mg/L		Run ID: MS	SD_15_11111	6A		Prep D		11/16/2011 18:25	
Analyte	Result	PQL				LCL(ME)	UCL(ME)	RPDRef\	/al %RPD(Limit)	Qual
TPH-P (GRO) Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8 Surr: 4-Bromofluorobenzene	1.94 0.0473 0.049 0.0524	0.25	2 0.05 0.05 0.05	0.05212	94 95 98 105	51 70 70 70	144 130 130 130	1.89	2.6(29)	

Comments:



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Date: 21-Nov-11	(QC S	ummai	ry Report				Work Ord 1111164	
Method Blank File ID: 11111606.D		Туре: М		Fest Code: EPA Batch ID: MS15		d 624/S		e: 11/16/2011 09:48	
Sample ID: MBLK MS15W1116	Units : µg/L			ISD_15_11111			Prep Date:	11/16/2011 09:48	
Analyte	Result	PQL					•	efVal %RPD(Limit)	Qua
				i Spriterval 7	OREC L				
Chloromethane Vinyl chloride	ND ND	2							
Chloroethane	ND	1	ł						
Bromomethane	ND	2	2						
Trichlorofluoromethane	ND	1		•					
1,1-Dichloroethene	ND	1	l						
Dichloromethane	ND	2	2						
trans-1,2-Dichloroethene 1,1-Dichloroethane	ND	1							
Chloroform	ND ND	1							
1,2-Dichloroethane	ND	1							
1,1,1-Trichloroethane	ND	1							
Carbon tetrachloride	ND	1						x.	
Benzene	ND	1							
1,2-Dichloropropane	ND	1							
Trichloroethene	ND	1							
Bromodichloromethane 2-Chloroethylvinylether	ND	1	-						
cis-1,3-Dichloropropene	ND ND	5)						
trans-1,3-Dichloropropene	ND	1							
1,1,2-Trichloroethane	ND	1					•		
Toluene	ND	1							
Dibromochloromethane	ND	1							
Tetrachloroethene	ND	1							
Chlorobenzene	ND	1							
Ethylbenzene Bromoform	ND	1							
1,1,2,2-Tetrachloroethane	ND ND	1							
1,3-Dichlorobenzene	ND	1							
1,4-Dichlorobenzene	ND	1							
1,2-Dichlorobenzene	ND	1							
Surr: 1,2-Dichloroethane-d4	9.46		10		95	70	130	,	
Surr: Toluene-d8	10.1		10		101	70	130		
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130		
Laboratory Control Spike File ID: 11111603.D		Type: L		est Code: EPA		1 624/S		. 44/46/2044 00.42	
Sample ID: LCS MS15W1116	finite could			atch ID: MS15			•	: 11/16/2011 08:43	
Analyte	Units : µg/L			SD_15_11111			Prep Date:	11/16/2011 08:43	0
and the second	Result	PQL	SpkVal			JL(ME)		fVal %RPD(Limit)	Qual
1,1-Dichloroethene	9.36	- 1			94	1	234		
Benzene Trichloroethene	9.55	0.5			96	37	151		
Toluene	9.76 9.25	. 1			98 93	71 47	157		
Chlorobenzene	9.4	0.5 1			93 94	37	150 160		
Ethylbenzene	9.81	0.5			98	37	162		
Surr: 1,2-Dichloroethane-d4	9.44	0.0	10		94	70	130		
Surr: Toluene-d8	10		10		100	70	130		
Surr: 4-Bromofluorobenzene	10.5		10		105	70	130		
Sample Matrix Spike		Туре: М	IS T	est Code: EPA	Method	1 624/S	W8260B		
File ID: 11111619.D			В	atch ID: MS15	W1116		Analysis Date	: 11/16/2011 14:28	
Sample ID: 11111540-01AMS	Units : µg/L		Run ID: M	SD_15_11111	6B		Prep Date:	11/16/2011 14:28	
Analyte	Result	PQL				CL(ME)	UCL(ME) RPDRe	fVal %RPD(Limit)	Qual
1,1-Dichloroethene	45.2	2.5			90	1	234		
Benzene	46.3	1.3			93	37	151		
Trichloroethene	47.3	2.5			95	71	157		
Toluene	44.4	1.3		0	89	47	150		
Chlorobenzene	46	2.5			92	37	160		
Ethylbenzene Sur: 1.2 Dichlemethane d4	47.6	1.3			95	37	162		
Surr: 1,2-Dichloroethane-d4 Surr: Toluene-d8	47.8		50		96	70 70	130		
Surr: 4-Bromofluorobenzene	48.8 51 3		50 50		98 103	70 70	130 130		
JOHT H-DIOHIOHUOIODENZENE	51.3		50		103	70	130		



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Date: 21-Nov-11		Work Ord 11111643									
Sample Matrix Spike Duplicate		Type: MS	SD T	est Code: El	PA Met	hod 624/S	W8260B				
File ID: 11111620.D	Batch ID: MS15W1116I Analysis Date: 11/								/16/2011 14:50		
Sample ID: 11111540-01AMSD	Units : µg/L Run ID: MSD_15_111116B						Prep Date: 11/16/2011 14:50				
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual	
1,1-Dichloroethene	46.2	2.5	50	0	92	1	234	45.22	2.0(21)		
Benzene	46.9	1.3	50	Ō	94	37	151	46.27	1.3(21)		
Trichloroethene	48.2	2.5	50	Ō	96	71	157	47.25	1.9(20)		
Toluene	45.1	1.3	50	õ	90	47	150	44.41	1.6(20)		
Chlorobenzene	46.9	2.5	50	Ó	94	37	160	45.97	1.9(20)		
Ethylbenzene	48.3	1.3	50	0	97	37	162	47.58	1.6(20)		
Surr: 1,2-Dichloroethane-d4	53.6		50	-	107	70	130				
Surr: Toluene-d8	49.5		50		99	70	130				
Surr: 4-Bromofluorobenzene	51.9		50		104	70	130				

Comments:

Billing Information :	Report Atte	CHAIN-OF-CUSTODY RECORD Alpha Analytical, Inc. 255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778 TEL: (775) 355-1044 FAX: (775) 355-0406 Sport Attention Phone Number EMail Address andrew Lojo (510) 663-4153 x andrew.lojo@amec.com								RUSH _{Page: 1 of 1} WorkOrder : GMT11111643 Report Due By : 5:00 PM On : 17-Nov-11					
AMEC Geomatri 2101 Webster S			Andrew Loj	jo	(51	0) 663-4	153 x	andrew.lo	jo@amœ.o	com	EDD R	equired : Y	⁷ es		
12th Floor Oakland, CA 946	812											pled by : C			
PO : Client's COC # : no		Job :	Crovon Che	evy								ler Temp 0 °C	Sample	es Received Nov-11	Date Printed 16-Nov-11
QC Level: SC3	= Final Rpt, MBLK, L	.CS, MS/			es and C	hromat	ograms								
A										Requeste	d Tests				
Alpha Sample ID	Client Sample ID	Matr	Collection	No. of Alpha	f Bottles Sub	s TAT	BNA_W	TPH/E_W	TPH/P_W	voc_w				Samp	le Remarks
GMT11111643-01A	EX-WATER-TANK-2	AQ	11/15/11 16:45	10	0	1	Special Analyte List : 625 QC Criteria	TPH/E_C	GAS-C	Special Analyte List : 624 QC Criteria					

Comments:	No security seals. Frozen Ice. 24 TAT :			
·····	Signature	Print Name	Company	Date/Time
Logged in by:	Suralapper	Sara Cotte	Alpha Analytical, Inc.	11/14/11 10:05

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

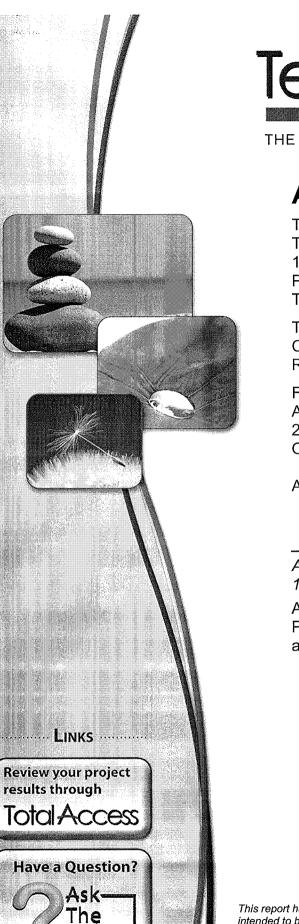
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APPENDIX E

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38299-1 Client Project/Site: Crown Chevrolet Sump Excavation Revision: 2

For: AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Akanef Sali

Authorized for release by: 12/16/2011 3:00:06 PM

Afsaneh Salimpour Project Manager I afsaneh.salimpour@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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Method Summary	23
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Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Qualifiers

GC Semi VOA

Qualifier Description
Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a
dilution may be flagged with a D.
Surrogate is outside control limits
MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not
applicable.
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
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: 720-38299-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38299-1

Revised The Case Narrative on 11/18/11. Revised The Case Narrative on 12/16/11. **Comments** No additional comments.

Receipt

Comments No additional comments.

Receipt

Did not receive TRIP BLANK for 8260B.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: (720-38299-2 MS), (720-38299-2 MSD), FEPIT-EXS-6-6 (720-38299-2).

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 101797 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8015B: The following sample(s) contained a hydrocarbon pattern that does not match the Diesel Fuel #2 and motor oil patterns used by the laboratory for quantitative purposes: FEPIT-EXS-5-6 (720-38299-1), FEPIT-EXS-6-6 (720-38299-2).

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Lab Sample ID: 720-38299-1

Lab Sample ID: 720-38299-2

Analyte	Result	Qualifier	RL	MDL Unit	Dil Fac	D	Method	Prep Type
Bromobenzene	44		4.3	ug/Kg	1		8260B/CA_LUFTM	Total/NA
Chlorobenzene	23		4.3	ug/Kg	1		8260B/CA_LUFTM	Total/NA
2-Chlorotoluene	200		4.3	ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	2700		440	ug/Kg	100		8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	1600		440	ug/Kg	100		8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	8.6		4.3	ug/Kg	1		8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	2200		210	ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	110	5	2.0	mg/Kg	2		8015B	Silica Gel Cle
Motor Oil Range Organics [C24-C36]	210	5	100	mg/Kg	2		8015B	Silica Gel Cle

Client Sample ID: FEPIT-EXS-6-6

Analyte	Result Qualit	fier RL	MDL Unit	Dil Fac	D Method	Ргер Туре
Bromobenzene	43	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
n-Butylbenzene	7.3	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
Chlorobenzene	26	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
2-Chlorotoluene	330	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	71000	5200	ug/Kg	1000	8260B/CA_LUFTM	Total/NA
1,3-Dichlorobenzene	10000	520	ug/Kg	100	8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	43000	5200	ug/Kg	1000	8260B/CA_LUFTM	Total/NA
Naphthalene	44	9.7	ug/Kg	1	8260B/CA_LUFTM	Total/NA
1,2,4-Trichlorobenzene	16	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	47	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	8.5	4.9	ug/Kg	1	8260B/CA_LUFTM	Total/NA
Xylenes, Total	17	9.7	ug/Kg	1	8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO)	4600	240	ug/Kg	1	8260B/CA_LUFTM	Total/NA
-C5-C12	<u> </u>					
Diesel Range Organics [C10-C28]	1600 J	20	mg/Kg	20	8015B	Silica Gel Clear
Motor Oil Range Organics [C24-C36]	2300 J	1000	mg/Kg	20	8015B	Silica Gel Clear

Lab Sample ID: 720-38299-1

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: FEPIT-EXS-5-6 Date Collected: 10/24/11 11:20

Date Received: 10/24/11 18:30

Analyte		Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Acetone	ND	43	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Benzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Dichlorobromomethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Bromobenzene	44	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chlorobromomethane	ND	17	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Bromoform	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Bromomethane	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
2-Butanone (MEK)	ND	43	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
n-Butylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
sec-Butylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
tert-Butylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Carbon disulfide	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Carbon tetrachloride	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chlorobenzene	23	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chloroethane	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chloroform	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chloromethane	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
2-Chlorotoluene	200	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
4-Chlorotoluene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Chlorodibromomethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2-Dichlorobenzene	2700	440	ug/Kg		10/24/11 21:49	10/26/11 01:40	100
1,3-Dichlorobenzene	ND	440	ug/Kg		10/24/11 21:49	10/26/11 01:40	100
1,4-Dichlorobenzene	1600	440	ug/Kg		10/24/11 21:49	10/26/11 01:40	100
1,3-Dichloropropane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1-Dichloropropene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2-Dibromo-3-Chloropropane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Ethylene Dibromide	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Dibromomethane	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Dichlorodifluoromethane	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1-Dichloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2-Dichloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1-Dichloroethene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
cis-1,2-Dichloroethene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
trans-1,2-Dichloroethene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2-Dichloropropane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
cis-1,3-Dichloropropene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
trans-1,3-Dichloropropene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Ethylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Hexachlorobutadiene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	
2-Hexanone	ND	43	ug/Kg ug/Kg				1
Isopropyibenzene	ND	4.3			10/24/11 21:15	10/25/11 17:31	1
4-Isopropyltoluene			ug/Kg		10/24/11 21:15	10/25/11 17:31	1.
4-isopropyitoluene Methylene Chloride	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
-	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
4-Methyl-2-pentanone (MIBK)	ND	43	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Naphthalene	. ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
N-Propylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Styrene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-5-6 Date Collected: 10/24/11 11:20

Date Received: 10/24/11 18:30

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Tetrachloroethene	ND	440	ug/Kg		10/24/11 21:49	10/26/11 01:40	100
Toluene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2,3-Trichlorobenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1,1-Trichloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1,2-Trichloroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Trichloroethene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Trichlorofluoromethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2,3-Trichloropropane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,2,4-Trimethylbenzene	8.6	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Vinyl acetate	ND	43	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Vinyl chloride	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Xylenes, Total	ND	8.6	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
2,2-Dichloropropane	ND	4.3	ug/Kg		10/24/11 21:15	10/25/11 17:31	1
Gasoline Range Organics (GRO)	2200	210	ug/Kg		10/24/11 21:15	10/25/11 17:31	1

Surrogate	% Recovery	Qualifier	Limits
4-Bromofluorobenzene	87		45 - 131
4-Bromofluorobenzene	98		66 - 148
1,2-Dichloroethane-d4 (Surr)	93		60 - 140
1,2-Dichloroethane-d4 (Surr)	107		62 - 137
Toluene-d8 (Surr)	93		58 - 140
Toluene-d8 (Surr)	96		65 - 141

Client Sample ID: FEPIT-EXS-6-6

-C5-C12

Date Received: 10/24/11 18:30

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Acetone	ND	49	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Benzene	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Dichlorobromomethane	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Bromobenzene	43	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Chlorobromomethane	ND	19	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Bromoform	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Bromomethane	ND	9.7	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
2-Butanone (MEK)	ND	49	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
n-Butylbenzene	7.3	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
sec-Butylbenzene	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
tert-Butylbenzene	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Carbon disulfide	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Carbon tetrachloride	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Chlorobenzene	26	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Chloroethane	ND	9.7	ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Chloroform	ND	4.9	ug/Kg		10/24/11 21:15	10/25/11 18:03	1

Lab Sample ID: 720-38299-1 Matrix: Solid

Dil Fac

1

1

1

100

100

100

Matrix: Solid

Analyzed

10/26/11 01:40

10/25/11 17:31

Lab Sample ID: 720-38299-2

Prepared

10/24/11 21:49

10/24/11 21:15

10/24/11 21:15 10/25/11 17:31

10/24/11 21:49 10/26/11 01:40

10/24/11 21:15 10/25/11 17:31

10/24/11 21:49 10/26/11 01:40

Date Collected: 10/24/11 12:15

Lab Sample ID: 720-38299-2

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-6-6 Date Collected: 10/24/11 12:15 Date Received: 10/24/11 18:30

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND	9.7	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
2-Chlorotoluene	330	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
4-Chlorotoluene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Chlorodibromomethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2-Dichlorobenzene	71000	5200	ug/Kg	10/24/11 21:	49 10/26/11 20:51	1000
1,3-Dichlorobenzene	10000	520	ug/Kg	10/24/11 21:	49 10/26/11 02:10	100
1,4-Dichlorobenzene	43000	5200	ug/Kg	10/24/11 21:	49 10/26/11 20:51	1000
1,3-Dichloropropane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1-Dichloropropene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2-Dibromo-3-Chloropropane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Ethylene Dibromide	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Dibromomethane	ND	9.7	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Dichlorodifluoromethane	ND	9.7	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1-Dichloroethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2-Dichloroethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1-Dichloroethene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2-Dichloropropane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Ethylbenzene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Hexachlorobutadiene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
2-Hexanone	ND	49	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Isopropylbenzene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
4-Isopropyltoluene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Methylene Chloride	ND	9.7	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
4-Methyl-2-pentanone (MIBK)	ND	49	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Naphthalene	44	9.7	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
N-Propylbenzene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Styrene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1,2,2-Tetrachloroethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Tetrachloroethene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
Toluene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,2,4-Trichlorobenzene	16	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1,1-Trichloroethane	ND	4.9	ug/Kg	10/24/11 21:	15 10/25/11 18:03	1
1,1,2-Trichloroethane	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
Trichloroethene	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
Trichlorofluoromethane	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
1,2,3-Trichloropropane	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
1,2,4-Trimethylbenzene	47	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
1,3,5-Trimethylbenzene	8.5	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
Vinyl acetate	ND	49	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
Vinyl chloride	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
Xylenes, Total	17	9.7	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1
2,2-Dichloropropane	ND	4.9	ug/Kg	10/24/11 21:1	15 10/25/11 18:03	1

Lab Sample ID: 720-38299-2

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-6-6

Date Collected: 10/24/11 12:15 Date Received: 10/24/11 18:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C5-C12	4600		240		ug/Kg		10/24/11 21:15	10/25/11 18:03	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131				10/24/11 21:15	10/25/11 18:03	1
4-Bromofluorobenzene	99		66 - 148				10/24/11 21:49	10/26/11 02:10	100
4-Bromofluorobenzene	103		66 - 148				10/24/11 21:49	10/26/11 20:51	1000
1,2-Dichloroethane-d4 (Surr)	92		60 - 140				10/24/11 21:15	10/25/11 18:03	1
1,2-Dichloroethane-d4 (Surr)	104		62 - 137				10/24/11 21:49	10/26/11 02:10	100
1,2-Dichloroethane-d4 (Surr)	112		62 - 137				10/24/11 21:49	10/26/11 20:51	1000
Toluene-d8 (Surr)	94		58 ₋ 140				10/24/11 21:15	10/25/11 18:03	1
Toluene-d8 (Surr)	97		65 - 141				10/24/11 21:49	10/26/11 02:10	100
Toluene-d8 (Surr)	97		65 - 141				10/24/11 21:49	10/26/11 20:51	1000

Client Sample Results

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: FEPIT-EXS-5-6 Date Collected: 10/24/11 11:20 Date Received: 10/24/11 18:30							Lab S	Sample ID: 720- Matri	38299-1 x: Solid
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	110	\mathcal{T}	2.0		mg/Kg		10/27/11 10:43	10/30/11 01:11	2
Motor Oil Range Organics [C24-C36]	210	Ť	100		mg/Kg		10/27/11 10:43	10/30/11 01:11	2
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01		0_1				10/27/11 10:43	10/30/11 01:11	2
p-Terphenyl	44		38 - 148				10/27/11 10:43	10/30/11 01:11	2
Client Sample ID: FEPIT-EXS-6-6							Lab S	Sample ID: 720-	38299-2
Date Collected: 10/24/11 12:15 Date Received: 10/24/11 18:30								Matri	x: Solid
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1600	ケ	20		mg/Kg		10/27/11 10:43	10/28/11 11:15	20
Motor Oil Range Organics [C24-C36]	2300	7	1000		mg/Kg		10/27/11 10:43	10/28/11 11:15	20
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				10/27/11 10:43	10/28/11 11:15	20
p-Terphenyl	0	XD	38 - 148				10/27/11 10:43	10/28/11 11:15	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Mits Mits Mits No <	Lab Sample ID: MB 720-1015 Matrix: Solid Analysis Batch: 101542	575/1-A						Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batch	Total/NA
NO NO SO UQKG 1002/11 20.35 1002/11 20.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 1002/21 120.31 10		I	ИВ МВ							
ND S00 ug/K0 1002011 02.33 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 1002011 02.30 100201	Analyte				MD		C			Dil Fac
ND SD0 ug/Kg 1002211 20.33 1002511 02.28 MD SD0 ug/Kg 1002211 20.33 1002511 02.28 Surrogate % Recovery Qualifier Limits Proparad Analyse 4-Bornolucobenzene 97 66 . 141 1002211 20.33 1002511 02.38 1002511 02.38 Lab Sample ID: LCS 720-101575/2-A Spike LCS LCS Client Sample ID: LCS 720-101575/2-A Matrix: Solid Analysis Spike LS LS LS Virgendedddddddddddddddddddddddddddddddddd	1,2-Dichlorobenzene	I	ND	500						100
Number of the MB ND 500 ugKg 1902/11/20.33 190 190 190 190	1,3-Dichlorobenzene	1	ND	500						100
MB MB Surragate % Recovery Qualifier Linits Prepared Analyzet 4Bromothomobenzene 67 65.744 7022/11 20.33 1022/11 02.38 102/11 02.58 102/11 02.51 102/	1,4-Dichlorobenzene	Ì	ND	500						100
surrogate % Recovery Qualifier Limits Propered Analyzed 4-Bromoliucrobenzene 57 66-146 1022/11 20.33 1022/11 02.34 102/11 02.44 102/11 02.34 102/11 02.34 102/11 02.44 102/11 02.44 102/11 02.44 102/11 02.44 102/11 02.44 102/1	Tetrachloroethene		ND	500		ug/Kg		10/22/11 20:33	10/25/11 02:38	100
Abimonibuorubenzene 37 66:148 1022/11 20:33 1028/11 02:38 1.2.01000roethane-4/ (Sury) 30 62:137 1022/11 20:33 1028/11 02:38 1.2.01000roethane-4/ (Sury) 30 62:137 1022/11 20:33 1028/11 02:38 Lab Sample ID: LCS 720-101575/2-A Matrix: Solid 1022/11 20:33 1028/11 02:38 Analytis Added Result Quiffor 0 % Rec 1.2.01040robenzene 5000 5160 ug/Kg 103 67:125 1.2.01040robenzene 5000 4880 ug/Kg 103 67:125 1.2.01040robenzene 5000 4880 ug/Kg 103 67:125 1.2.01040robenzene 5000 4880 ug/Kg 96 78:130 1.2.01040robenzene 5000 4880 ug/Kg 103 67:125 Surragate Y. Recoury Limits 42/00/01/02/01 71:135 10 1.2.01040robenzene 5000 5300 ug/Kg 103 67:126 0 1.2.0								Durant	Amelyned	Dil Fac
Lobinological and 44 (Surr) 80 62 - 137 1022/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33 102/11 20.33		% Recov								100
Instrume def (unit) Dis Tel mark 1022/11 20:33 1025/11 02:38 Lab Sample [D: LCS 720-101575/2-A Matrix: Solid Spike LCS LCS Prep Type: To Prep Type: To Prep Type: To Analysis Batch: 101542 Spike LCS LCS US With D % Rec. Analysis Batch: 101542 Spike LCS LCS US With D % Rec. 1.2-Dichlorobenzene 5000 5360 ug/Kg 100 7.135 1.2-Dichlorobenzene 5000 5200 ug/Kg 107 71.135 1.2-Dichlorobenzene 5000 5200 ug/Kg 108 67.130 1.2-Dichlorobenzene 5000 5200 ug/Kg 108 67.130 Surrogate % Recovery Qualifier Limits Prep Type: To Prep Type: To Analysis Batch: 101542 Spike LCSD LCSD LCSD Spike LCSD Client Sample ID: Lab Control Sample 1.2-Dichlorobenzene 5000 5360 ug/Kg 103 67.133 0 <										100
Lab Sample ID: LCS 720-101575/2-A Matrix: Sold Client Sample ID: Lab Control S Prep Type: To Prep Batch: 1 Analyte Added Result Qualifier Unit D % Rec. Analyte Added Result Qualifier Unit D % Rec. 1.3. Dichlorobenzene 5000 5380 ug/Kg 103 67.126 1.3. Dichlorobenzene 5000 5280 ug/Kg 104 76.130 1.4. Dichlorobenzene 5000 5280 ug/Kg 104 76.130 1.4. Dichlorobenzene 5000 4880 ug/Kg 104 76.130 1.4. Dichlorobenzene 5000 4880 ug/Kg 104 76.130 1.2. Dichlorobenzene 5000 62.137 70/une-d8 (Surt) 76 62.137 Toluane-d8 (Surt) 76 62.137 71/0/une 71.35 0 1.2. Dichlorobenzene 5000 5140 ug/Kg 103 67.128 0 1.2. Dichlorobenzene 5000 520 ug/Kg 103 1 1										
Prop Type: To Prop Batch: 101542 Analysis Batch: 101542 Analysis Batch: 101542 Analysis Batch: 101542 Analysis Batch: 101542 Spike LCS LCS Unit D % Rec. 1_2.Dichlorobenzene 5000 5180 ug/Kg 103 67. 126 1_3.Dichlorobenzene 5000 5800 ug/Kg 104 76. 133 1_4.Dichlorobenzene 5000 5800 ug/Kg 104 76. 133 LCS LCS Surrogate % Recovery Quillifer Limits 4.Bronofiluorobenzene 94 66. 148 79. 133 79. 133 1_2.Dichlorobenzene 94 66. 148 79. 133 79. 133 1_2.Dichlorobenzene 94 66. 148 79. 133 79. 79. 13 1_2.Dichlorobenzene 5000 5140 99. 65. 141 Lab Sample ID: LCSD 720-101575/3-A Matrix: Solid Analysis Batch: 101542 Ype: To Added Result Quillifer Unit D % Rec 1_2.Dichlorobenzene 5000 5380 ug/Kg 107. 71. 135	Toluene-d8 (Surr)		98	65 ₋ 141				10/22/11 20:33	10/25/11 02:38	100
Analysis Batch: 101542 Site Site Analyte Added Result Qualifier Unit D % Rec. 1.2 Dichlorobenzene 5000 5160 ug/Kg 103 67.128 1.3 Dichlorobenzene 5000 5200 ug/Kg 1017 71.135 1.4 Dichlorobenzene 5000 5200 ug/Kg 108 79.130 1.4 Dichlorobenzene 5000 4880 ug/Kg 98 79.130 1.4 Dichlorobenzene 662.137 5000 5200 ug/Kg 100 Smregate 4/Berondfluorobenzene 94 66.141 5000 Sample ID: LCSD 720.101575/3-A Client Sample ID: LSB Control Sample Matrix: Solid Analysis Batch: 101542 Tanalysis Batch: 101542 V Rec Rec 1.2 Olchlorobenzene 5000 5360 ug/Kg 100 % Rec 1.2 Olchlorobenzene 5000 5360 ug/Kg 103 67.128 0 1.2 Olchlorobenzene 5000 520 ug/Kg 100		575/2-A						Client Sample I		
Analyte Added Result Qualifier Unit D % Rec. K 1.2-Dichlorobenzene 5000 5360 ug/Kg 107 71.135 1.3-Dichlorobenzene 5000 5360 ug/Kg 107 71.135 1.3-Dichlorobenzene 5000 5200 ug/Kg 107 71.135 1.3-Dichlorobenzene 5000 5200 ug/Kg 107 71.135 1.3-Dichlorobenzene 5000 5200 ug/Kg 108 75.130 71.135 1.3-Dichlorobenzene 5000 620.0 ug/Kg 108 75.130 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.135 71.235									Prep Batch	: 101575
Analyte Added Result Qualifier Unit D % Rec Limits 1.2. Dichlorobenzene 5000 5160 ug/Kg 103 67 - 128 7 7 7 1.3 7 1.3 7 1.3 7 1.3 7 1.3 7 1.3 7 7 7 1.3 7 7 7 1.3 7 7 7 1.3 7 7 7 1.3 7 7 7 1.3 7 7 1.3 7				Spike	LCS	LCS			% Rec.	
1,2-Dichlorobenzene 5000 5160 ug/Kg 103 67.128 1,3-Dichlorobenzene 5000 5360 ug/Kg 107 71.135 1,4-Dichlorobenzene 5000 5200 ug/Kg 104 76.130 LCS LCS Surgate % Recovery Qualiffer Limits 4-Bromofluorobenzene 94 66.148 Prep Type: To 1,2-Dichlorobethane-d4 (Sur) 76 62.137 Prep Type: To 7.0/uene-d8 (Suri) 99 65.141 Prep Type: To Analysis Batch: 101542 Spike LCSD LCSD Spike Result Qualiffer Unit D % Rec 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67.128 0 1,2-Dichlorobenzene 5000 5560 ug/Kg 103 67.128 0 1,2-Dichlorobenzene 5000 5200 ug/Kg 104 76.130 0 1,2-Dichlorobenzene 5000 5200 ug/Kg 104 76.130 0 1,2-Dichlorobenzene 96 <t< td=""><td>Analyte</td><td></td><td></td><td>•</td><td>Result</td><td>Qualifier</td><td>Unit</td><td>D % Rec</td><td>Limits</td><td></td></t<>	Analyte			•	Result	Qualifier	Unit	D % Rec	Limits	
1.3. Dichlorobenzene 5000 5360 ug/Kg 107 7.1 - 135 1.4. Dichlorobenzene 5000 5200 ug/Kg 104 76 - 130 LCS LCS Surrogate % Recovery Qualifier Limits 4.Brondhuorobenzene 94 66 - 148	-			5000	5160		ug/Kg	103	67 _ 126	
LCS LCS LCS LImits Gene Gene <thg< td=""><td></td><td></td><td></td><td>5000</td><td>5360</td><td></td><td>ug/Kg</td><td>107</td><td>71 - 135</td><td></td></thg<>				5000	5360		ug/Kg	107	71 - 135	
Tetrachlorosethene 5000 4880 ug/Kg 98 79-130 LCS LCS LCS Limits RPD Vire Prep Type: To Prep Type: To Prep Type: To Prep Type: To RPD Vire Vire <th< td=""><td>1,4-Dichlorobenzene</td><td></td><td></td><td>5000</td><td>5200</td><td></td><td>ug/Kg</td><td>104</td><td>76 ₋ 130</td><td></td></th<>	1,4-Dichlorobenzene			5000	5200		ug/Kg	104	76 ₋ 130	
Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 94 66.148 1,2-Dichlorocethane-d4 (Surr) 76 62.137 Toluene-d8 (Surr) 99 65.141 Lab Sample ID: LCSD 720-101575/3-A Matrix: Solid Client Sample ID: Lab Control Samp Prep Type: To Analysis Batch: 101542 Analysis Batch: 101542 Spike LCSD % Rec. Analysis Control Spike LCSD V Rec. 1,2-Dichlorobenzene 5000 5140 ug/Kg 107 71.15 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76.130 0 1,2-Dichlorobenzene 96 66.148 1 1 1,2-Dichlorobenzene 96 66.148 1 1 1,2-Dichlorobenzene 96 66.148				5000	4880		ug/Kg	98	79 ₋ 130	
4-Bromotiluorobenzene 94 66.148 1,2-Dichlorobethane-d4 (Surr) 76 62.137 Toluene-d8 (Surr) 99 65.141 Lab Sample ID: LCSD 720-101575/3-A Matrix: Solid Client Sample ID: Lab Control Samp Prep Type: To Analysis Batch: 101542 Analyte Added Result Qualifier Unit D % Rec. 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67.126 0 1,4-Dichlorobenzene 5000 5140 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 4940 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 4940 ug/Kg 104 76.130 0 1,2-Dichlorobenzene 96 66.148 10.201 106 10 1,2-Dichlorobenzene 96 66.148 102 10 10 1,2-Dichlorobenzene 96 66.148 102 102		LCS I	cs							
L.2-Dichlorosethane-04 (Surr) 76 62 - 137 Toluene-08 (Surr) 99 65 - 141 Lab Sample ID: LCSD 720-101575/3-A Client Sample ID: Lab Control Sample ID: Addee Prep Type: To Matrix: Solid Prep Type: To Prep Batch: 10 Analysis Batch: 101542 Spike LCSD LCSD Matrix: Solid Rec Analyte Added Result Qualifier Unit D % Rec Rep 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67 · 126 0 1,3-Dichlorobenzene 5000 5360 ug/Kg 104 76 · 63.10 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76 · 63.10 0 1,2-Dichlorobenzene 5000 4940 ug/Kg 99 79 · 130 1 LCSD Client Sample ID:	Surrogate	% Recovery	Qualifier	Limits						
Column-d8 (Surr) 99 65 - 141 Lab Sample ID: LCSD 720-101575/3-A Matrix: Solid Client Sample ID: Lab Control Samp Prep Type: To Analysis Batch: 101542 Analyte Added Result Qualifier Unit D % Rec. Analyte Added Result Qualifier Unit D % Rec. 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67 - 126 0 1,3-Dichlorobenzene 5000 5140 ug/Kg 103 67 - 135 0 1,4-Dichlorobenzene 5000 520 ug/Kg 104 76 - 130 0 1,4-Dichlorobenzene 5000 4940 ug/Kg 99 79 - 130 1 LCSD LCSD LCSD LSD Client Sample ID: Metry Metry 4-Bromofluorobenzene 96 66 - 148 Prep Type: To Prep Type: To 1,2-Dichlorobetnzene 96 66 - 148 Prep Type: To Prep Type: To 1,2-Dichlorobetnzene 99 65 - 141 D Prep Type: To 1,2-Dichlorobetnzene 99 65 - 141 D Prep Type: To </td <td>4-Bromofluorobenzene</td> <td>94</td> <td></td> <td>66 - 148</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	4-Bromofluorobenzene	94		66 - 148						
Client Sample ID: LCSD 720-101575/3-A Matrix: Solid Client Sample ID: Lab Control Samp Prep Type: To Prep Batch: 101542 Analysis Batch: 101542 Spike LCSD CSD Prep Batch: 1 % Rec. Analyte Added Result Qualifier Unit D % Rec Limits RPD 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67 - 126 0 1,2-Dichlorobenzene 5000 5360 ug/Kg 107 71 - 135 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76 - 130 0 Lesson gate % Recovery Qualifier Limits Limits Prep Type: To 4-Bromofluorobenzene 96 66 - 148 1,2-Dichlorobenzene 96 66 - 148 1,2-Dichlorobenzene <td>1,2-Dichloroethane-d4 (Surr)</td> <td>76</td> <td></td> <td>62 - 137</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1,2-Dichloroethane-d4 (Surr)	76		62 - 137						
Matrix: Solid Analysis Batch: 101542 Prep Type: To Prep Batch: 10 Analysis Batch: 101542 Spike LCSD LCSD Unit D % Rec. RPD % Rec. Analyte Added Result Qualifier Unit D % Rec. RPD % Rec. Rec. RPD % Rec.	Toluene-d8 (Surr)	99		65 - 141						
Matrix: Solid Prep Type: To Prep Batch: 10 Analysis Batch: 101542 Spike LCSD LCSD Unit D % Rec. Prep Batch: 10 Analyte Added Result Qualifier Unit D % Rec. % Rec. 1.2-Dichlorobenzene 5000 5140 ug/Kg 100 67.126 0 0 1.3-Dichlorobenzene 5000 5200 ug/Kg 104 76.130 <	Lab Sample ID: LCSD 720-1	01575/3-A					Clie	nt Sample ID: La	ab Control Sam	ıple Dup
Analyte Added Result Qualifier Unit D % Rec. 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67.126 0 1,3-Dichlorobenzene 5000 5360 ug/Kg 103 67.126 0 1,3-Dichlorobenzene 5000 5360 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76.130 0 1,4-Dichlorobenzene 5000 4940 ug/Kg 99 79.130 1 LCSD LCSD Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 96 66.148 1,2-Dichloroethane-d4 (Surr) 76 62.137 Prep Type: To 7 Joluene-d8 (Surr) 99 65.141 Prep Type: To Analysis Batch: 101592 MB MB									Prep Type:	Total/NA
Analyte Added Result Qualifier Unit D % Rec. 1,2-Dichlorobenzene 5000 5140 ug/Kg 103 67 - 126 0 1,3-Dichlorobenzene 5000 5360 ug/Kg 103 67 - 126 0 1,4-Dichlorobenzene 5000 5360 ug/Kg 104 76 - 130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76 - 130 0 1,4-Dichlorobenzene 5000 5220 ug/Kg 99 79 - 130 1 LCSD LCSD Surrogate % Recovery Qualifier Limits 1 0	Analysis Batch: 101542								Prep Batch	: 101575
Analyte Note				Spike	LCSD	LCSD			% Rec.	RPD
I.2-Dichlosobenzene 5000 5360 ug/Kg 107 71-135 0 1.4-Dichlorobenzene 5000 5360 ug/Kg 104 76-130 0 Tetrachloroethene 5000 5220 ug/Kg 104 76-130 0 LCSD LCSD Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 96 66-148	Analyte			Added	Result	Qualifier	Unit	D % Rec	Limits RP	D Limit
1,4-Dichlorobenzene 5000 5220 ug/Kg 104 76 - 130 0 Tetrachloroethene 5000 4940 ug/Kg 99 79 - 130 1 LCSD LCSD Surrogate % Recovery Qualifier Limits 1 4-Bromofluorobenzene 96 66 - 148 1 1 1 1,2-Dichloroethane-d4 (Surr) 76 62 - 137 7 1 1 Lab Sample ID: MB 720-101600/1-A Karix: Solid Client Sample ID: Method Prep Type: To Prep Batch: 1 Analysis Batch: 101592 MB MB 10/25/11 08:26 10/25/11 09:56 Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56	1,2-Dichlorobenzene			5000	5140		ug/Kg	103	67 - 126	0 20
Tetrachloroethene 5000 4940 ug/Kg 99 79 - 130 1 LCSD LCSD LCSD LCSD Lest	1,3-Dichlorobenzene			5000	5360		ug/Kg	107	71 - 135	0 20
LCSD LCSD LCSD 4-Bromofluorobenzene 96 66 - 148 1,2-Dichloroethane-d4 (Surr) 76 62 - 137 Toluene-d8 (Surr) 99 65 - 141 Lab Sample ID: MB 720-101600/1-A Client Sample ID: MB 720-101600/1-A Matrix: Solid Prep Type: To Analysis Batch: 101592 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56	1,4-Dichlorobenzene			5000	5220		ug/Kg	104	76 - 130	0 20
Surrogate% RecoveryQualifierLimits4-Bromofluorobenzene9666 - 1481,2-Dichloroethane-d4 (Surr)7662 - 137Toluene-d8 (Surr)9965 - 141Client Sample ID: MB 720-101600/1-A Matrix: Solid Analysis Batch: 101592Client Sample ID: Method Prep Type: To Prep Batch: 7MBMBAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedMethyl tert-butyl etherND5.0ug/Kg10/25/11 08:2610/25/11 09:56AcetoneND50ug/Kg10/25/11 08:2610/25/11 09:56	Tetrachloroethene			5000	4940		ug/Kg	99	79 - 130	1 20
4-Bromofiluorobenzene 96 66 - 148 1,2-Dichloroethane-d4 (Surr) 76 62 - 137 Toluene-d8 (Surr) 99 65 - 141 Lab Sample ID: MB 720-101600/1-A Client Sample ID: Method Prep Type: To Prep Batch: 101592 MB MB Analyte Result Qualifier RL 5.0 MDL ug/Kg D Prepared 10/25/11 08:26 Analyzed 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56		LCSD I	LCSD							
1,2-Dichloroethane-d4 (Surr) 76 62 - 137 70/uene-d8 (Surr) 99 65 - 141 Lab Sample ID: MB 720-101600/1-A Client Sample ID: Method Matrix: Solid Prep Type: To Analysis Batch: 101592 Prep Batch: 7 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56	Surrogate		Qualifier							
Toluene-d8 (Surr) 99 65 - 141 Lab Sample ID: MB 720-101600/1-A Matrix: Solid Analysis Batch: 101592 Client Sample ID: Method Prep Type: To Prep Batch: 0 MB MB Analyte Result Qualifier RL 5.0 MDL ug/Kg D Prepared 10/25/11 08:26 Analyzed 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56	4-Bromofluorobenzene	96		66 - 148						
Lab Sample ID: MB 720-101600/1-AClient Sample ID: MethodMatrix: SolidPrep Type: To Prep Batch: 10Analysis Batch: 101592MB MBAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedMethyl tert-butyl etherND5.0ug/Kg10/25/11 08:2610/25/11 09:56AcetoneND50ug/Kg10/25/11 08:2610/25/11 09:56	1,2-Dichloroethane-d4 (Surr)	76		62 - 137						
Matrix: SolidPrep Type: To Prep Batch: 4Analysis Batch: 101592MBMBMBAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedMethyl tert-butyl etherND5.0ug/Kg10/25/11 08:2610/25/11 09:56AcetoneND50ug/Kg10/25/11 08:2610/25/11 09:56	Toluene-d8 (Surr)	99		65 - 141						
Analysis Batch: 101592 MB MB Prep Batch: * Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56		600/1-A						Client Sa	•	
Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56										
Methyl tert-butyl ether ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56 Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56	<u>Analyte</u>			RI	МГ	DL Unit	1	D Prepared	Analvzed	Dil Fac
Acetone ND 50 ug/Kg 10/25/11 08:26 10/25/11 09:56	•							•		1
										1
Benzene ND 5.0 ug/Kg 10/25/11 08:26 10/25/11 09:56									10/25/11 09:56	1
Benzene ND 5.0 Ug/Kg 10/25/11 08:26 10/25/11 09:56 Dichlorobromomethane ND 5.0 ug/Kg 10/25/11 09:56 10/25/11 09:56										1

TestAmerica San Francisco 12/16/2011

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101600

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

MB MB

Lab Sample ID: MB 720-101600/1-A Matrix: Solid Analysis Batch: 101592

	MB	MB						
Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chlorobromomethane	ND	20		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Bromoform	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Bromomethane	ND	9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
2-Butanone (MEK)	ND	50		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
n-Butylbenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
sec-Butylbenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
tert-Butylbenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Carbon disulfide	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Carbon tetrachloride	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chlorobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chloroethane	ND	9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chloroform	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chloromethane	ND	9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
2-Chlorotoluene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
4-Chlorotoluene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Chlorodibromomethane	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2-Dichlorobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,3-Dichlorobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,4-Dichlorobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,3-Dichloropropane	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1-Dichloropropene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2-Dibromo-3-Chloropropane	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Ethylene Dibromide	ND	5.0	1	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Dibromomethane	ND	9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Dichlorodifluoromethane	ND	9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1-Dichloroethane	ND	5.0	1	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2-Dichloroethane	ND	5.0	4	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1-Dichloroethene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
cis-1,2-Dichloroethene	ND	5.0	I	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
trans-1,2-Dichloroethene	ND	5.0	1	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2-Dichloropropane	ND	5.0	I	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
cis-1,3-Dichloropropene	ND	5.0	,	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
trans-1,3-Dichloropropene	ND	5.0	ı	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Ethylbenzene	ND	5.0	ı	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Hexachlorobutadiene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
2-Hexanone	ND	50	ı	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Isopropylbenzene	ND	5.0	ι	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
4-Isopropyltoluene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Methylene Chloride	ND	9.9		Jg/Kg		10/25/11 08:26	10/25/11 09:56	1
4-Methyl-2-pentanone (MIBK)	ND	50	ι	Jg/Kg		10/25/11 08:26	10/25/11 09:56	1
Naphthalene	ND	9.9	ı	Jg/Kg		10/25/11 08:26	10/25/11 09:56	1
N-Propylbenzene	ND	. 5.0	ι	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Styrene	ND	5.0	ι	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1,1,2-Tetrachloroethane	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1,2,2-Tetrachioroethane	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Tetrachloroethene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Toluene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2,3-Trichlorobenzene	ND	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2,4-Trichlorobenzene	ND	5.0		lg/Kg		10/25/11 08:26	10/25/11 09:56	1

MB MB

103

94

Lab Sample ID: MB 720-101600/1-A Matrix: Solid

Analysis Batch: 101592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101600

10/25/11 08:26

10/25/11 08:26

10/25/11 09:56

10/25/11 09:56

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

1

1

Analyte	Result Qualifier	· RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	5.0	ug/K	3	10/25/11 08:26	10/25/11 09:56	1
1,1,2-Trichloroethane	ND	5.0	ug/K	}	10/25/11 08:26	10/25/11 09:56	1
Trichloroethene	ND	5.0	ug/Kg	1	10/25/11 08:26	10/25/11 09:56	1
Trichlorofluoromethane	ND	5.0	ug/Kg)	10/25/11 08:26	10/25/11 09:56	1
1,2,3-Trichloropropane	ND	5.0	ug/K	j	10/25/11 08:26	10/25/11 09:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/Kg)	10/25/11 08:26	10/25/11 09:56	1
1,2,4-Trimethylbenzene	ND	5.0	ug/K	J	10/25/11 08:26	10/25/11 09:56	1
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg]	10/25/11 08:26	10/25/11 09:56	1
Vinyl acetate	ND	50	ug/K	J	10/25/11 08:26	10/25/11 09:56	1
Vinyl chloride	ND	5.0	ug/Kg	3	10/25/11 08:26	10/25/11 09:56	1
Xylenes, Total	ND	9.9	ug/K]	10/25/11 08:26	10/25/11 09:56	1
2,2-Dichloropropane	ND	5.0	ug/Kg	ļ	10/25/11 08:26	10/25/11 09:56	1
Gasoline Range Organics (GRO)	ND	250	ug/Kg)	10/25/11 08:26	10/25/11 09:56	1
-C5-C12							
	MB MB						
Surrogate	% Recovery Qualifier	r <i>Limits</i>			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96	45 - 131			10/25/11 08:26	10/25/11 09:56	1

60 - 140

58 - 140

Lab Sample ID: LCS 720-101600/2-A
Matrix: Solid

Analysis Batch: 101592

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

Analysis Batch: 101592					Prep Batch: 101600
Analysis Daten. 101002	Spike	LCS LCS			% Rec.
Analyte	Added	Result Qualifier	Unit	D % Rec	Limits
Methyl tert-butyl ether	49.6	51.4	ug/Kg	104	71 - 144
Acetone	248	175	ug/Kg	70	30 - 162
Benzene	49.6	46.0	ug/Kg	93	77 _ 113
Dichlorobromomethane	49.6	52.6	ug/Kg	106	86 - 131
Bromobenzene	49.6	47.8	ug/Kg	96	88 - 120
Chlorobromomethane	49.6	48.0	ug/Kg	97	81 - 116
Bromoform	49.6	55.4	ug/Kg	112	59 - 158
Bromomethane	49.6	43.7	ug/Kg	88	59 - 132
2-Butanone (MEK)	248	227	ug/Kg	92	61 _ 150
n-Butylbenzene	49.6	49.2	ug/Kg	99	80 - 142
sec-Butylbenzene	49.6	47.2	ug/Kg	95	85 - 136
tert-Butylbenzene	49.6	47.8	ug/Kg	96	71 - 130
Carbon disulfide	49.6	41.9	ug/Kg	84	60 - 136
Carbon tetrachloride	49.6	50.0	ug/Kg	101	81 - 138
Chlorobenzene	49.6	48.0	ug/Kg	97	82 - 114
Chloroethane	49.6	46.6	ug/Kg	94	65 _ 126
Chloroform	49.6	47.4	ug/Kg	96	77 _ 127
Chloromethane	49.6	40.9	ug/Kg	82	60 - 149
2-Chlorotoluene	49.6	48.8	ug/Kg	98	80 - 138
4-Chlorotoluene	49.6	48.2	ug/Kg	97	79 - 136
Chlorodibromomethane	49.6	53.4	ug/Kg	108	75 - 146
1,2-Dichlorobenzene	49.6	48.0	ug/Kg	97	84 - 130
1,3-Dichlorobenzene	49.6	47.8	ug/Kg	96	84 - 131
1,4-Dichlorobenzene	49.6	48.0	ug/Kg	97	85 - 125
1,3-Dichloropropane	49.6	53.0	ug/Kg	107	79 - 140
•					

Matrix: Solid Analysis Batch: 101592					Prep Type: Total/N Prep Batch: 10160
A walk to	Spike	LCS LCS			% Rec.
Analyte 1,1-Dichloropropene	Added	Result Quali		D % Rec	Limits
	49.6	47.6	ug/Kg	96	70 - 130
1,2-Dibromo-3-Chloropropane Ethylene Dibromide	49.6 49.6	56.0 55.0	ug/Kg	113	68 - 145
Dibromomethane	49.6		ug/Kg	111	79 - 140
Dichlorodifluoromethane	49.6	51.4	ug/Kg	104	80 - 139
1,1-Dichloroethane		34.5	ug/Kg	70	37 - 158
1,2-Dichloroethane	49.6	46.8	ug/Kg	94	76 - 119
1,1-Dichloroethene	49.6	49.4	ug/Kg	100	72 - 130
	49.6	41.1	ug/Kg	83	68 - 119
cis-1,2-Dichloroethene	49.6	53.4	ug/Kg	108	87 - 138
rans-1,2-Dichloroethene	49.6	38.5	ug/Kg	78	67 - 108
I,2-Dichloropropane	49.6	47.0	ug/Kg	95	73 - 127
cis-1,3-Dichloropropene	49.6	49.6	ug/Kg	100	68 - 147
rans-1,3-Dichloropropene	49.6	52.8	ug/Kg	106	84 - 136
Ethylbenzene	49.6	48.2	ug/Kg	97	80 - 137
Hexachlorobutadiene	49.6	48.4	ug/Kg	98	72 - 132
2-Hexanone	248	260	ug/Kg	105	60 - 161
sopropylbenzene	49.6	51.0	ug/Kg	103	88 - 128
-Isopropyltoluene	49.6	48.6	ug/Kg	98	85 - 133
Aethylene Chloride	49.6	46.0	ug/Kg	93	72 - 134
I-Methyl-2-pentanone (MIBK)	248	270	ug/Kg	109	69 - 160
Naphthalene	49.6	52.4	ug/Kg	106	70 - 147
V-Propylbenzene	49.6	46.2	ug/Kg	93	72 - 125
	49.6	51.8	ug/Kg	104	89 - 126
1,1,2-Tetrachloroethane	49.6	52.6	ug/Kg	106	90 - 130
1,1,2,2-Tetrachloroethane	49.6	52.6	ug/Kg	106	82 - 146
Tetrachloroethene	49.6	47.6	ug/Kg	96	78 - 132
	49.6	46.4	ug/Kg	94	80 - 114
,2,3-Trichlorobenzene	49.6	50.6	ug/Kg	102	82 - 135
,2,4-Trichlorobenzene	49.6	50.0	ug/Kg	101	70 - 131
,1,1-Trichloroethane	49.6	48.4	ug/Kg	98	80 - 127
,1,2-Trichloroethane	49.6	51.2	ug/Kg	103	82 - 125
	49.6	45.2	ug/Kg	91	81 - 133
richlorofluoromethane	49.6	48.0	ug/Kg	97	71 - 139
,2,3-Trichloropropane	49.6	55.4	ug/Kg	112	76 - 146
,1,2-Trichloro-1,2,2-trifluoroetha	49.6	47.4	ug/Kg	96	70 - 130
e ,2,4-Trimethylbenzene	49.6	48.6	ug/Kg	98	84 - 130
,3,5-Trimethylbenzene	49.6	47.8	ug/Kg	98 96	82 - 131
/inyl acetate	49.6	55.0	ug/Kg ug/Kg	90 111	38 - 176
/inyl chloride	49.6	41.1	ug/Kg ug/Kg	83	58 - 175 58 - 125
n-Xylene & p-Xylene	99.2	102	ug/Kg	103	79 - 146
-Xylene	49.6	48.2		97	79 - 140 84 - 140
,2-Dichloropropane	49.6	48.2 50.6	ug/Kg ug/Kg	97 102	73 - 162

Surrogate	% Recovery Q	ualifier	Limits
4-Bromofluorobenzene	102		45 - 131
1,2-Dichloroethane-d4 (Surr)	105		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCS 720-101600/4-A Matrix: Solid					Client	Sample I	D: Lab Co Prep T		
Analysis Batch: 101592							Prep E	Batch: 1	01600
	Spike	LCS	LCS				% Rec.		
Analyte	Added		Qualifier	Unit	D	% Rec	Limits		
Gasoline Range Organics (GRO) -C5-C12	994	936		ug/Kg		94	61 ₋ 128		
LCS LCS									
Surrogate % Recovery Qualifie									
4-Bromofluorobenzene 103	45 - 131								
1,2-Dichloroethane-d4 (Surr) 103	60 - 140								
Toluene-d8 (Surr) 98	58 - 140								
Lab Sample ID: LCSD 720-101600/3-A Matrix: Solid				Clie	nt Samp	ole ID: La	ab Control Prep Ty	-	
Analysis Batch: 101592							Prep B	atch: 1	01600
	Spike	LCSD	LCSD				% Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
Methyl tert-butyl ether	49.8	50.0		ug/Kg		100	71 _ 144	3	20
Acetone	249	171		ug/Kg		69	30 _ 162	2	30
Benzene	49.8	46.4		ug/Kg		93	77 - 113	1	20
Dichlorobromomethane	49.8	51.0		ug/Kg		102	86 - 131	3	20
Bromobenzene	49.8	49.8		ug/Kg		100	88 - 120	4	20
Chlorobromomethane	49.8	48.0		ug/Kg		96	81 - 116	0	20
Bromoform	49.8	56.0		ug/Kg		112	59 _ 158	1	20
Bromomethane	49.8	47.0		ug/Kg		94	59 _ 132	7	20
2-Butanone (MEK)	249	233		ug/Kg		93	61 _ 150	2	20
n-Butylbenzene	49.8	52.2		ug/Kg		105	80 - 142	6	20
sec-Butylbenzene	49.8	50.4		ug/Kg		101	85 _ 136	7	20
tert-Butylbenzene	49.8	51.2		ug/Kg		103	71 - 130	7	20
Carbon disulfide	49.8	42.8		ug/Kg		86	60 - 136	2	20
Carbon tetrachloride	49.8	49.8		ug/Kg		100	81 - 138	0	20
Chlorobenzene	49.8	49.0		ug/Kg		98	82 - 114	2	20
Chloroethane	49.8	48.4		ug/Kg		97	65 - 126	4	20
Chloroform	49.8	47.8		ug/Kg		96	77 _ 127	1	20
Chloromethane	49.8	42.2		ug/Kg		85	60 - 149	3	20
2-Chlorotoluene	49.8	51.2		ug/Kg		103	80 - 138	5	20
4-Chlorotoluene	49.8	51.0		ug/Kg		102	79 - 136	6	20
Chlorodibromomethane	49.8	53.0		ug/Kg ug/Kg		102	75 ₋ 146	1	20
1,2-Dichlorobenzene	49.8	49.8		ug/Kg		100	84 <u>-</u> 130	4	20
1,3-Dichlorobenzene	49.8	50.0		ug/Kg		100	84 - 131	4	20
1,4-Dichlorobenzene	49.8	51.4		ug/Kg		103	85 <u>-</u> 125	7	20
· · · · · · · · · · · · · · · · · · ·	49.8	53.0		ug/Kg		106	79 <u>-</u> 140	0	20
1,3-Dichloropropane	49.8	47.8				96 .	79 - 140 70 - 130	0	20
1,1-Dichloropropene				ug/Kg			68 ₋ 145	5	
1,2-Dibromo-3-Chloropropane	49.8	58.6		ug/Kg		118			20
Ethylene Dibromide	49.8	54.2		ug/Kg		109	79 ₋ 140	1	20
Dibromomethane	49.8	51.6		ug/Kg		104	80 - 139	0	20
Dichlorodifluoromethane	49.8	36.5		ug/Kg		73	37 ₋ 158	5	20
1,1-Dichloroethane	49.8	47.6		ug/Kg		96	76 - 119	2	20
1,2-Dichloroethane	49.8	49.0		ug/Kg		98	72 _ 130	1	20
1,1-Dichloroethene	49.8	42.2		ug/Kg		85	68 - 119	3	20
cis-1,2-Dichloroethene	49.8	53.8		ug/Kg		108	87 - 138	1	20
trans-1,2-Dichloroethene	49.8	39.8		ug/Kg		80	67 - 108	3	20
1,2-Dichloropropane	49.8	47.6		ug/Kg		96	73 - 127	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-101600/3-A

Analysis	Batch	101592
Allalysis	Datun.	101332

Lab Sample ID: LCSD 720-10 Matrix: Solid	1600/3-A				Clier	nt Samp	ole ID: La	ab Control Prep Ty	-	-	
Analysis Batch: 101592									Batch: 1		
		Spike	LCSD	LCSD				% Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit	
cis-1,3-Dichloropropene		49.8	49.6		ug/Kg		100	68 - 147	0	20	
trans-1,3-Dichloropropene		49.8	52.6		ug/Kg		106	84 - 136	0	20	
Ethylbenzene		49.8	49.2		ug/Kg		99	80 - 137	2	20	
Hexachlorobutadiene		49.8	52.2		ug/Kg		105	72 - 132	8	20	1
2-Hexanone		249	259		ug/Kg		104	60 _ 161	0	20	
Isopropylbenzene		49.8	52.0		ug/Kg		104	88 - 128	2	20	
4-Isopropyltoluene		49.8	51.4		ug/Kg		103	85 - 133	6	20	
Methylene Chloride		49.8	46.2		ug/Kg		93	72 - 134	0	20	
4-Methyl-2-pentanone (MIBK)		249	267		ug/Kg		107	69 - 160	1	20	
Naphthalene		49.8	54.0		ug/Kg		108	70 _ 147	3	20	
N-Propylbenzene		49.8	48.2		ug/Kg		97	72 _ 125	4	20	
Styrene		49.8	52.8		ug/Kg		106	89 - 126	2	20	
1,1,1,2-Tetrachloroethane		49.8	53.2		ug/Kg		107	90 _ 130	1	20	
1,1,2,2-Tetrachloroethane		49.8	53.2		ug/Kg		107	82 - 146	1	20	
Tetrachloroethene		49.8	48.2		ug/Kg		97	78 - 132	1	20	
Toluene		49.8	47.8		ug/Kg		96	80 - 114	3	20	
1,2,3-Trichlorobenzene		49.8	52.2		ug/Kg		105	82 - 135	3	20	
1,2,4-Trichlorobenzene		49.8	51.8		ug/Kg		104	70 - 131	4	20	
1,1,1-Trichloroethane		49.8	48.2		ug/Kg		97	80 _ 127	0	20	
1,1,2-Trichloroethane		49.8	51.0		ug/Kg		102	82 - 125	0	20	
Trichloroethene		49.8	46.6		ug/Kg		94	81 - 133	3	20	
Trichlorofluoromethane		49.8	49.8		ug/Kg		100	71 - 139	4	20	
1,2,3-Trichloropropane		49.8	55.6		ug/Kg		112	76 - 146	0	20	
1,1,2-Trichloro-1,2,2-trifluoroetha		49.8	47.2		ug/Kg		95	70 - 130	0	20	
ne											
1,2,4-Trimethylbenzene		49.8	51.0		ug/Kg		102	84 - 130	5	20	
1,3,5-Trimethylbenzene		49.8	50.2		ug/Kg		101	82 - 131	5	20	
Vinyl acetate		49.8	54.8		ug/Kg		110	38 - 176	0	20	
Vinyl chloride		49.8	43.8		ug/Kg		88	58 _ 125	6	20	
m-Xylene & p-Xylene		99.6	104		ug/Kg		105	79 _ 146	3	20	
o-Xylene		49.8	49.2		ug/Kg		99	84 - 140	2	20	
2,2-Dichloropropane		49.8	51.2		ug/Kg		103	73 - 162	1	20	
	LCSD LCSD)									
Surrogate	% Recovery Quali	fier Limits									
4-Bromofluorobenzene	101	45 _ 131									
1,2-Dichloroethane-d4 (Surr)	101	60 - 140									
Toluene-d8 (Surr)	97	58 - 140									
										_	

Lab Sample ID: LCSD 720-101600/5-A	Client Sample ID: Lab Control Sample						e Dup			
Matrix: Solid								Prep Ty	pe: To	tal/NA
Analysis Batch: 101592								Prep E	atch: 1	01600
		Spike	LCSD	LCSD				% Rec.		RPD
Analyte	•	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)		992	932	/	ug/Kg		94	61 - 128	0	20
-C5-C12										

	LCSD	LCSD	
Surrogate	% Recovery	Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101592							2.1011			ab Control San Prep Type: Prep Batch	Total/N
,	LCSD	1.050									
Surrogate	% Recovery		Limits								
Toluene-d8 (Surr)	96	Quaimer	58 ₋ 140								
lethod: 8015B - Diesel Ra	nge Organ	ics (DF	(GC)				• ••• • •				
Lab Sample ID: MB 720-10179	7/1-A							(ample ID: Meth	
Matrix: Solid									Prep T	ype: Silica Gel	
Analysis Batch: 101850										Prep Batch	n: 10179
		MB MB									
Analyte	R	esult Qua	lifier	RL	M	DL Unit	D		epared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]		ND		0.99		mg/Kg			/11 10:43	10/28/11 11:15	
Motor Oil Range Organics [C24-C36]		ND		49		mg/Kg		10/27	/11 10:43	10/28/11 11:15	
		MB MB									
Surrogate	% Reco	very Qua	lifier l	limits				Pre	epared	Analyzed	Dil Fa
Capric Acid (Surr)	C	0.007		0 - 1				10/27	/11 10:43	10/28/11 11:15	
p-Terphenyl		83	3	38 - 148				10/27	/11 10:43	10/28/11 11:15	
Lab Sample ID: LCS 720-10179	07/0 A							Client	Sample	ID: Lab Contro	l Samnl
Matrix: Solid	5772-A							Gient		ype: Silica Gel	-
									Lich I	Prep Batch	
Analysis Batch: 101850			Spil	(A)	LCS	LCS				% Rec.	. 10175
Analyte			Adde			Qualifier	Unit	D	% Rec	Limits	
Diesel Range Organics			82		53,8	Quamer	mg/Kg		65	50 - 150	
[C10-C28]											
	1.00	LCS									
Surranata			1								
Surrogate	% Recovery 86	Quaimer	<i>Limits</i> 38 - 148								
p-Terphenyl	00		30 - 140								
Lab Sample ID: LCSD 720-101	797/3-A						Clien	t Samj	ole ID: La	ab Control San	nple Du
Matrix: Solid									Prep T	ype: Silica Gel	Cleanu
Analysis Batch: 101850										Prep Batch	n: 10179
-			Spil	(e	LCSD	LCSD				% Rec.	RP
Analyte			Adde	ed	Result	Qualifier	Unit	D	% Rec	Limits RP	D Lim
Diesel Range Organics			82	.5	55.8		mg/Kg		68	50 - 150	4 3
[C10-C28]											
	LCSD	LCSD									
Surrogate	% Recovery	Qualifier	Limits								
p-Terphenyl	91		38 - 148								
Lab Sample ID: 720-38299-2 M	S							С		mple ID: FEPIT	
Matrix: Solid									Prep T	ype: Silica Gel	
Analysis Batch: 101849	_		_							Prep Batch	n: 10179
	-	Sample	Spil		MS			-	a(F	% Rec.	
	Result	Qualifier	Adde			Qualifier	Unit	D		Limits	
							mg/Kg		-524	50 _ 150	
Analyte Diesel Range Organics	1600	<u>,</u>	83	.0	1210	4	mg/ng				
			83	.0	1210	4	nightg				
Diesel Range Organics	1600	MS	83	.0	1210	4	mg/rtg				
Diesel Range Organics	1600		83 Limits	.0	1210	4	mgmgg				

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-38299-2 MSD Matrix: Solid Analysis Batch: 101849					Client Sample ID: FEPIT-EXS-6- Prep Type: Silica Gel Cleanu Prep Batch: 10179						
	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
Diesel Range Organics [C10-C28]	1600		82.5	1500	4 F	mg/Kg		-165	50 - 150	22	20
	MSD	MSD									
Surrogate	% Recovery	Qualifier	Limits								
p-Terphenyl	0	XD	38 - 148								

Second Constraints

GC/MS VOA

Analysis	Batch:	101542	
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
LCS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10157
LCSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	10157
MB 720-101575/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	. 10157
rep Batch: 101575					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bato
720-38299-1	FEPIT-EXS-5-6	Total/NA	Solid	5035	
720-38299-2	FEPIT-EXS-6-6	Total/NA	Solid	5035	
LCS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101575/1-A	Method Blank	Total/NA	Solid	5035	
nalysis Batch: 101592	2				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
720-38299-1	FEPIT-EXS-5-6	Total/NA	Solid	8260B/CA_LUFT MS	10160
720-38299-2	FEPIT-EXS-6-6	Total/NA	Solid	8260B/CA_LUFT MS	10160
LCS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10160
LCS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10160
LCSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	10160
LCSD 720-101600/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	10160
MB 720-101600/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	10160
Prep Batch: 101600					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
720-38299-1	FEPIT-EXS-5-6	Total/NA	Solid	5035	
720-38299-2	FEPIT-EXS-6-6	Total/NA	Solid	5035	
LCS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-101600/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101600/1-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 101655	;				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
720-38299-1	FEPIT-EXS-5-6	Total/NA	Solid	8260B/CA_LUFT	10157
720-38299-2	FEPIT-EXS-6-6	Total/NA	Solid	MS 8260B/CA_LUFT	10157
, 20-00200-2		i otaii fira	2010	MS	10.107
nalysis Batch: 101742	2				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bate
720-38299-2	FEPIT-EXS-6-6	Total/NA	Solid	8260B/CA_LUFT	10157

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

GC Semi VOA

Prep Batch: 101797					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38299-1	FEPIT-EXS-5-6	Silica Gel Cleanup	Solid	3546	
720-38299-2	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	3546	
720-38299-2 MS	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	3546	
720-38299-2 MSD	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	3546	
LCS 720-101797/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-101797/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-101797/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	
Analysis Batch: 101849)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38299-2	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	8015B	101797
720-38299-2 MS	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	8015B	101797
720-38299-2 MSD	FEPIT-EXS-6-6	Silica Gel Cleanup	Solid	8015B	101797
Analysis Batch: 101850)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-101797/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	101797
LCSD 720-101797/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	101797
MB 720-101797/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	101797
Analysis Batch: 101937	,				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38299-1	FEPIT-EXS-5-6	Silica Gel Cleanup	Solid	8015B	101797



Lab Sample ID: 720-38299-1

Matrix: Solid

Client Sample ID: FEPIT-EXS-5-6

Date Collected: 10/24/11 11:20 Date Received: 10/24/11 18:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101600	10/24/11 21:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101592	10/25/11 17:31	LL	TAL SF
Total/NA	Prep	5035			101575	10/24/11 21:49	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		100	101655	10/26/11 01:40	LL	TAL SF
Silica Gel Cleanup	Prep	3546			101797	10/27/11 10:43	JRM	TAL SF
Silica Gel Cleanup	Analysis	8015B		2	101937	10/30/11 01:11	DH	TAL SF

Client Sample ID: FEPIT-EXS-6-6 Date Collected: 10/24/11 12:15 Date Received: 10/24/11 18:30

Lab Sample ID: 720-38299-2

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101600	10/24/11 21:15	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101592	10/25/11 18:03	LL	TAL SF
Total/NA	Prep	5035			101575	10/24/11 21:49	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		100	101655	10/26/11 02:10	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1000	101742	10/26/11 20:51	AC	TAL SF
Silica Gel Cleanup	Prep	3546			101797	10/27/11 10:43	JRM	TAL SF
Silica Gel Cleanup	Analysis	8015B		20	101849	10/28/11 11:15	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Geomatrix Inc.

Project/Site: Crown Chevrolet Sump Excavation

······				
Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method	Method Description		Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS		 SW846	TAL SF
S			2 1.1.1.1.1.2	T 11 AF
8015B	Diesel Range Organics (DRO) (GC)		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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-38299-1	FEPIT-EXS-5-6	Solid	10/24/11 11:20	10/24/11 18:30
720-38299-2	FEPIT-EXS-6-6	Solid	10/24/11 12:15	10/24/11 18:30

Seq. No. 1036	1465 North McDowell Bly Suite 200		OF CUSTODY FORM	134509 13/19011
Lab: Test America	Petaluma, CA 94954 (707) 7 93-3800	73 ^{Samplers:}	taely young	3000 12/16/201
Job Number: 001016007	*	100-3	20044	194309 -
Name/Location: Crown Ch	wrolet sump E	Excavation, Dub	ANAI ANAI	YSIS REQUESTED
Project Manager: <u>Aveny</u>	Patton	Recorder:	(Signature/Regulied)	
MATRIX # CONTAINERS		DATE	STATION DESCRIPTION	
		and the second se	8260 B 1171E 2 17PH a 17PH a	
X I 21 FEP X I 21 FEP	+ - EXS + E - 6 1 + - EXS - 6 - 6 1	110241120		
				0126
				36 25
	ONAL INFORMATION			
REPORT TO: Avery Pa	tton	¥	Relever Hachy your Religion of By Signation (Print Name)	Ma AMEC 10/24/11 (21333) (Company) (Date/Time)
PO#:			all Caller Callert	Company) (Date/Time) man Test America 1527
TAT: <u>Standard</u>			Received By (Signature) (Print Name) Called Call (Print Name)	(Company) (Date/Time)
Comments: Field Filtered Y/N AMEC		4	Relindrished By (Signature) (Print Name)	2 11 57 10.2.9.118 (5) 1 (Company) (Date/Time) 1 1787 10/2.14/11 (835)
2101 webster St, 1;	2th Floor			(Company) / (Date/Time) (Date/Time) (Company) (Date/Time)
<u>Carland</u> , CA 94612 (510) 663-4100		Received By (Signature): (Print Name)	(Company) ' (Dáte/Time)	
			Relinquished By (Signature) (Print Name)	(Company) (Date/Time)
			Received By (Signature): (Print Name)	(Company) (Date/Time)
			Method of Shipment:	
7 (CL V	Vhite - Laboratory Copy	Yellow - Project Office C	opy Pink - Field or Office Copy	F1008-E

Client: AMEC Geomatrix Inc.

Login Number: 38299 List Number: 1

Creator: Hoang, Julie

Greator: Hoang, Julie		
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	
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	SEE NCM
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers 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	

N/A

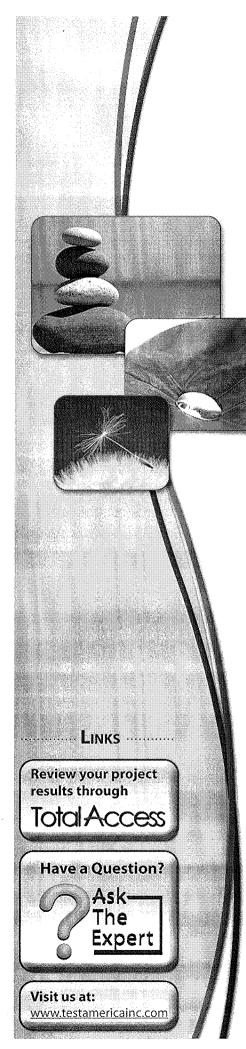
TestAmerica San Francisco

Residual Chlorine Checked.

Job Number: 720-38299-1

List Source: TestAmerica San Francisco

 $\gamma \in \mathbb{N}_{+}^{M}$



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38344-1 Client Project/Site: Crown Chevrolet Sump Exacavation Revision: 1

For: AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Akanef Sal

Authorized for release by: 12/16/2011 3:19:40 PM

Afsaneh Salimpour Project Manager I afsaneh.salimpour@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.

Table of Contents

Qualifiers

GC Semi VOA

GO Geim VOA	
Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a
	dilution may be flagged with a D.
Х	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
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: 720-38344-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38344-1

Revised The case narrative on 12/16/11 Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Internal standard responses were outside of acceptance limits for the following sample 38344-4: FEPIT-EXS-10-12 (720-38344-4). The sample(s) shows evidence of matrix interference and confirmed by reanalysis.

Method(s) 8260B: The following samples submitted for volatiles analysis were received with insufficient preservation (pH >2): SUMP-EXB-WATER-1-16 (720-38344-1).

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Concentrations reported represent individual or discrete peaks: 720 - 38344 - 1 Method(s) 8015B: The following sample(s) contained a hydrocarbon pattern that does not match the Diesel Fuel #2 and motor oil patterns used by the laboratory for quantitative purposes: FEPIT-EXS-10-12 (720-38344-4), FEPIT-EXS-9-6 (720-38344-3), SUMP-EXB-WATER-1-16 (720-38344-1).

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Client Sample ID: SUMP-EXB-WATER-1-16

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Туре
Benzene	8.2	5.0	ug/L	10	8260B/CA_LUFTM	Total/NA
Chlorobenzene	2800	250	ug/L	500	8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	18000	250	ug/L	500	8260B/CA_LUFTM	Total/NA
1,3-Dichlorobenzene	7.6	5.0	ug/L	10	8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	250	5.0	ug/L	10	8260B/CA_LUFTM	Total/NA
1,2,4-Trichlorobenzene	12	10	ug/L	10	8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	24	5.0	ug/L	10	8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	8.3	5.0	ug/L	10	8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	2200	58	ug/L	1	8015B	Dissolved

Client Sample ID: TB092811

No Detections

Client Sample ID: FEPIT-EXS-9-6

Dil Fac D Method Result Qualifier RL MDL Unit Prep Type Analyte 8260B/CA_LUFTM Total/NA Bromobenzene 35 4.5 ug/Kg 1 8260B/CA_LUFTM Total/NA Chlorobenzene 42 4.5 ug/Kg 1 8260B/CA_LUFTM Total/NA 2-Chlorotoluene 160 4.5 ug/Kg 1 100 8260B/CA LUFTM Total/NA 1.2-Dichlorobenzene 6400 500 ug/Kg 8260B/CA_LUFTM Total/NA 230 4.5 ug/Kg 1 1,3-Dichlorobenzene 1.4-Dichlorobenzene 4000 500 ug/Kg 100 8260B/CA_LUFTM Total/NA 4.5 1 8260B/CA_LUFTM Total/NA cis-1,2-Dichloroethene 6.1 ug/Kg Xylenes, Total 12 8.9 ug/Kg 1 8260B/CA_LUFTM Total/NA 8260B/CA_LUFTM Total/NA 290 220 ug/Kg 1 Gasoline Range Organics (GRO) -C5-C12 170 J 5.0 mg/Kg 5 8015B Silica Gel Clear Diesel Range Organics [C10-C28] 340 J 8015B Silica Gel Clear Motor Oil Range Organics [C24-C36] 250 mg/Kg 5

Client Sample ID: FEPIT-EXS-10-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromobenzene	4.3	5	4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Chlorobenzene	10	Ĩ	4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
2-Chlorotoluene	17		4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	170		4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,3-Dichlorobenzene	20		4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	110		4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
cis-1,2-Dichloroethene	5.6		4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Trichloroethene	6.8	\mathbf{r}	4.3		ug/Kg	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	89		1.0		mg/Kg	1		8015B	Silica Gel Clea
Motor Oil Range Organics [C24-C36]	170		50		mg/Kg	1		8015B	Silica Gel Clea

Lab Sample ID: 720-38344-1

il Fac	D	Method	Prep Type
10		8260B/CA_LUFTM	Total/NA
500		8260B/CA_LUFTM	Total/NA
500		8260B/CA_LUFTM	Total/NA
10		8260B/CA_LUFTM	Total/NA
1		8015B	Dissolved

Lab Sample ID: 720-38344-2

Lab Sample ID: 720-38344-3

Lab Sample ID: 720-38344-4

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SUMP-EXB-WATER-1-16 Date Collected: 10/26/11 12:50 Date Received: 10/26/11 18:35

Analyte	Result Qualifier	RL	MDL Unit	D Prepared Analyzed	Dil Fac
Methyl tert-butyl ether	ND	5.0	ug/L	10/28/11 22:40	10
Acetone	ND	500	ug/L	10/28/11 22:40	10
Benzene	8.2	5.0	ug/L	10/28/11 22:40	10
Dichlorobromomethane	ND	5.0	ug/L	10/28/11 22:40	10
Bromobenzene	ND	10	ug/L	10/28/11 22:40	10
Chlorobromomethane	ND	10	ug/L	10/28/11 22:40	10
Bromoform	ND	10	ug/L	10/28/11 22:40	10
Bromomethane	ND	10	ug/L	10/28/11 22:40	10
2-Butanone (MEK)	ND	500	ug/L	10/28/11 22:40	10
n-Butylbenzene	ND	10	ug/L	10/28/11 22:40	10
sec-Butylbenzene	ND	10	ug/L	10/28/11 22:40	10
tert-Butylbenzene	ND	10	ug/L	10/28/11 22:40	10
Carbon disulfide	ND	50	ug/L	10/28/11 22:40	10
Carbon tetrachloride	ND	5.0	ug/L	10/28/11 22:40	10
Chlorobenzene	2800	250	ug/L	10/31/11 18:10	500
Chloroethane	ND	10	ug/L	10/28/11 22:40	10
Chloroform	ND	10	ug/L	10/28/11 22:40	10
Chloromethane	ND	10	ug/L	10/28/11 22:40	10
2-Chlorotoluene	ND	5.0	ug/L	10/28/11 22:40	10
4-Chlorotoluene	ND	5.0	ug/L	10/28/11 22:40	10
Chlorodibromomethane	ND	5.0	ug/L	10/28/11 22:40	10
1,2-Dichlorobenzene	18000	250	ug/L	10/31/11 18:10	500
1,3-Dichlorobenzene	7.6	5.0	ug/L	10/28/11 22:40	10
1,4-Dichlorobenzene	250	5.0	ug/L	10/28/11 22:40	10
1,3-Dichloropropane	ND	10	ug/L	10/28/11 22:40	10
1,1-Dichloropropene	ND	5.0	ug/L	10/28/11 22:40	10
1,2-Dibromo-3-Chloropropane	ND	10	ug/L	10/28/11 22:40	10
Ethylene Dibromide	ND	5.0	ug/L	10/28/11 22:40	10
Dibromomethane	ND	5.0	ug/L	10/28/11 22:40	10
Dichlorodifluoromethane	ND	5.0	ug/L	10/28/11 22:40	10
1,1-Dichloroethane	ND	5.0	ug/L	10/28/11 22:40	10
1,2-Dichloroethane	ND	5.0	ug/L	10/28/11 22:40	10
1,1-Dichloroethene	ND	5.0	ug/L	10/28/11 22:40	10
cis-1,2-Dichloroethene	ND	5.0	ug/L	10/28/11 22:40	10
trans-1,2-Dichloroethene	ND	5.0	ug/L	10/28/11 22:40	10
1,2-Dichloropropane	ND	5.0	ug/L	10/28/11 22:40	10
cis-1,3-Dichloropropene	ND	5.0	ug/L	10/28/11 22:40	10
trans-1,3-Dichloropropene	ND	5.0	ug/L	10/28/11 22:40	10
Ethylbenzene	ND	5.0	ug/L	10/28/11 22:40	10
Hexachlorobutadiene	ND	10	ug/L	10/28/11 22:40	10
2-Hexanone	ND	500	ug/L	10/28/11 22:40	10
	ND	5.0	ug/L	. 10/28/11 22:40	10
4-Isopropyltoluene	ND	10	ug/L	10/28/11 22:40	10
Methylene Chloride	ND	50	ug/L	10/28/11 22:40	10
4-Methyl-2-pentanone (MIBK)	ND	500	ug/L	10/28/11 22:40	10
Naphthalene	ND	10	ug/L	10/28/11 22:40	10
N-Propylbenzene	ND	10	ug/L	10/28/11 22:40	10
Styrene	ND	5.0	ug/L	10/28/11 22:40	10
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	10/28/11 22:40	· 10

Lab Sample ID: 720-38344-1 Matrix: Water

Client Sample ID: SUMP-EXB-WATER-1-16Lab Sample ID: 720-38344-1Date Collected: 10/26/11 12:50Matrix: WaterDate Received: 10/26/11 18:35Matrix: Water

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L		10/28/11 22:40	10
Tetrachloroethene	ND	5.0	ug/L		10/28/11 22:40	10
Toluene	ND	5.0	ug/L		10/28/11 22:40	10
1,2,3-Trichlorobenzene	ND	10	ug/L		10/28/11 22:40	10
1,2,4-Trichlorobenzene	12	10	ug/L		10/28/11 22:40	10
1,1,1-Trichloroethane	ND	5.0	ug/L		10/28/11 22:40	10
1,1,2-Trichloroethane	ND	5.0	ug/L		10/28/11 22:40	10
Trichloroethene	ND	5.0	ug/L		10/28/11 22:40	10
Trichlorofluoromethane	ND	10	ug/L		10/28/11 22:40	10
1,2,3-Trichloropropane	ND	5.0	ug/L		10/28/11 22:40	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L		10/28/11 22:40	10
1,2,4-Trimethylbenzene	24	5.0	ug/L		10/28/11 22:40	10
1,3,5-Trimethylbenzene	8.3	5.0	ug/L		10/28/11 22:40	10
Vinyl acetate	ND	100	ug/L		10/28/11 22:40	10
Vinyl chloride	ND	5.0	ug/L		10/28/11 22:40	10
Xylenes, Total	ND	10	ug/L		10/28/11 22:40	10
2,2-Dichloropropane	ND	5.0	ug/L		10/28/11 22:40	10
Gasoline Range Organics (GRO) -C5-C12	ND	25000	ug/L		11/02/11 12:42	500

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene	101	67 - 130	10/28/11 22:4	0 10
4-Bromofluorobenzene	109	67 - 130	10/31/11 18:1	0 500
4-Bromofluorobenzene	99	67 - 130	11/02/11 12:4	2 500
1,2-Dichloroethane-d4 (Surr)	102	75 - 138	10/28/11 22:4	0 10
1,2-Dichloroethane-d4 (Surr)	87	75 - 138	10/31/11 18:1	0 500
1,2-Dichloroethane-d4 (Surr)	101	75 - 138	11/02/11 12:4	2 500
Toluene-d8 (Surr)	96	70 - 130	10/28/11 22:4	0 10
Toluene-d8 (Surr)	99	70 ₋ 130	10/31/11 18:1	0 500
Toluene-d8 (Surr)	99	70 - 130	11/02/11 12:4	2 500

Client Sample ID: TB092811 Date Collected: 10/26/11 13:20

Date Received: 10/26/11 18:35

Analyte	Result	Qualifier RL	MDL Un	it I	D Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	ug/	L		10/28/11 22:12	1
Acetone	ND	50	ug/	L		10/28/11 22:12	1
Benzene	ND	0.50	ug/	L		10/28/11 22:12	1
Dichlorobromomethane	ND	0.50	ug/	L		10/28/11 22:12	1
Bromobenzene	ND	1.0	ug/	L		10/28/11 22:12	1
Chlorobromomethane	ND	· 1.0	ug/	L		10/28/11 22:12	1
Bromoform	ND	· 1.0	ug/	L		10/28/11 22:12	1
Bromomethane	ND	1.0	ug/	L		10/28/11 22:12	1
2-Butanone (MEK)	ND	50	ug/	L		10/28/11 22:12	1
n-Butylbenzene	ND	1.0	ug/	L		10/28/11 22:12	1
sec-Butylbenzene	ND	1.0	ug/	L		10/28/11 22:12	1
tert-Butylbenzene	ND	1.0	ug/	L		10/28/11 22:12	1
Carbon disulfide	ND	5.0	ug/	L		10/28/11 22:12	1
Carbon tetrachloride	ND	0.50	ug/	Ĺ		10/28/11 22:12	1

Lab Sample ID: 720-38344-2

Matrix: Water

Lab Sample ID: 720-38344-2

Matrix: Water

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB092811 Date Collected: 10/26/11 13:20 Date Received: 10/26/11 18:35

	Analyte	Result	Qualifier RL	. MDL	Unit	D Prepared	Analyzed	Dil Fac
	Chlorobenzene	ND	0.50)	ug/L		10/28/11 22:12	1
	Chloroethane	ND	1.0)	ug/L		10/28/11 22:12	1
	Chloroform	ND	1.0)	ug/L		10/28/11 22:12	1
	Chloromethane	ND	1.0)	ug/L		10/28/11 22:12	1
	2-Chlorotoluene	ND	0.50)	ug/L		10/28/11 22:12	1
	4-Chlorotoluene	ND	0.50)	ug/L		10/28/11 22:12	1
	Chlorodibromomethane	ND	0.50	1	ug/L		10/28/11 22:12	1
ł	1,2-Dichlorobenzene	ND	0.50	1	ug/L		10/28/11 22:12	1
	1,3-Dichlorobenzene	ND	0.50	1	ug/L		10/28/11 22:12	1
	1,4-Dichlorobenzene	ND	0.50	1	ug/L		10/28/11 22:12	1
	1,3-Dichloropropane	ND	1.0	l i i i i i i i i i i i i i i i i i i i	ug/L		10/28/11 22:12	1
	1,1-Dichloropropene	ND	0.50	1	ug/L		10/28/11 22:12	1
	1,2-Dibromo-3-Chloropropane	ND	1.0	•	ug/L		10/28/11 22:12	1
	Ethylene Dibromide	ND	0.50		ug/L		10/28/11 22:12	1
	Dibromomethane	ND	0.50		ug/L		10/28/11 22:12	1
	Dichlorodifluoromethane	ND	0.50		ug/L		10/28/11 22:12	1
	1,1-Dichloroethane	ND	0,50		ug/L		10/28/11 22:12	1
ł	1,2-Dichloroethane	ND	0.50		ug/L		10/28/11 22:12	1
ł	1,1-Dichloroethene	ND	0.50		ug/L		10/28/11 22:12	1
	cis-1,2-Dichloroethene	ND	0.50		ug/L		10/28/11 22:12	1
1	trans-1,2-Dichloroethene	ND	0.50		ug/L		10/28/11 22:12	1
	1,2-Dichloropropane	ND	0.50		ug/L		10/28/11 22:12	1
	cis-1,3-Dichloropropene	ND	0.50		ug/L		10/28/11 22:12	1
	trans-1,3-Dichloropropene	ND	0.50		ug/L		10/28/11 22:12	1
1	Ethylbenzene	ND	0.50		ug/L		10/28/11 22:12	1
	Hexachlorobutadiene	ND	1.0		ug/L		10/28/11 22:12	1
	2-Hexanone	ND	50		ug/L		10/28/11 22:12	1
	Isopropylbenzene	ND	0.50		ug/L		10/28/11 22:12	1
	4-Isopropyltoluene	ND	1.0		ug/L		10/28/11 22:12	1
	Methylene Chloride	ND	5.0		ug/L		10/28/11 22:12	1
	4-Methyl-2-pentanone (MIBK)	ND	50		ug/L		10/28/11 22:12	1
	Naphthalene	ND	1.0		ug/L		10/28/11 22:12	1
	N-Propylbenzene	ND	1.0		ug/L		10/28/11 22:12	1
	Styrene	ND	0.50		ug/L		10/28/11 22:12	1
	1,1,1,2-Tetrachloroethane	ND	0.50		ug/L		10/28/11 22:12	1
	1,1,2,2-Tetrachloroethane	ND	0.50		ug/L		10/28/11 22:12	1
	Tetrachloroethene	ND	0.50		ug/L		10/28/11 22:12	1
	Toluene	ND	0.50		ug/L		10/28/11 22:12	1
	1,2,3-Trichlorobenzene	ND	1.0		ug/L		10/28/11 22:12	1
	1,2,4-Trichlorobenzene	ND	1.0		ug/L		10/28/11 22:12	1
	1,1,1-Trichloroethane	ND	0.50		ug/L		10/28/11 22:12	1
	1,1,2-Trichloroethane	ND	0.50		ug/L		10/28/11 22:12	1
	Trichloroethene	ND	0.50		ug/L		10/28/11 22:12	1
	Trichlorofluoromethane	ND	1.0		ug/L		10/28/11 22:12	1
	1,2,3-Trichloropropane	ND	0.50		ug/L		10/28/11 22:12	1
	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50		ug/L		10/28/11 22:12	1
-	1,2,4-Trimethylbenzene	ND	0.50		ug/L		10/28/11 22:12	1
	1,3,5-Trimethylbenzene	ND	0.50		ug/L		10/28/11 22:12	1
	Vinyl acetate	.ND	10		ug/L		10/28/11 22:12	1

Client Sample ID: TB092811Lab Sample ID: 720-38344-2Date Collected: 10/26/11 13:20Matrix: WaterDate Received: 10/26/11 18:35Matrix: Water

Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND	0.50		ug/L			10/28/11 22:12	1
Xylenes, Total	ND	1.0		ug/L			10/28/11 22:12	1
2,2-Dichloropropane	ND	0.50		ug/L			10/28/11 22:12	1
Surrogate	%Recovery Qu	ualifier Limits	n gran a ka			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96	67 - 130					10/28/11 22:12	1
1,2-Dichloroethane-d4 (Surr)	101	75 - 138					10/28/11 22:12	1
Toluene-d8 (Surr)	96	70 - 130					10/28/11 22:12	1

Lab Sample ID: 720-38344-3 Matrix: Solid

Client Sample ID: FEPIT-EXS-9-6 Date Collected: 10/26/11 13:40

Date Received: 10/26/11 18:35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Acetone	ND		45		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Benzene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Dichlorobromomethane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Bromobenzene	35		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chlorobromomethane	ND		18		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Bromoform	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Bromomethane	ND		8.9		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
2-Butanone (MEK)	ND		45		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
n-Butylbenzene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
sec-Butylbenzene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
tert-Butylbenzene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Carbon disulfide	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Carbon tetrachloride	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chlorobenzene	42		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chloroethane	ND		8.9		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chloroform	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chloromethane	ND		8.9		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
2-Chlorotoluene	160		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
4-Chlorotoluene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Chlorodibromomethane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,2-Dichlorobenzene	6400		500		ug/Kg		10/26/11 19:15	10/31/11 12:42	100
1,3-Dichlorobenzene	230		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,4-Dichlorobenzene	4000		500		ug/Kg		10/26/11 19:15	10/31/11 12:42	100
1,3-Dichloropropane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,1-Dichloropropene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,2-Dibromo-3-Chloropropane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Ethylene Dibromide	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Dibromomethane	ND		8.9		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
Dichlorodifluoromethane	ND		8.9		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,1-Dichloroethane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,2-Dichloroethane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,1-Dichloroethene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
cis-1,2-Dichloroethene	6.1		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
trans-1,2-Dichloroethene	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1
1,2-Dichloropropane	ND		4.5		ug/Kg		10/27/11 08:32	10/27/11 15:53	1

Lab Sample ID: 720-38344-3

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-9-6 Date Collected: 10/26/11 13:40 Date Received: 10/26/11 18:35

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
trans-1,3-Dichloropropene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Ethylbenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Hexachlorobutadiene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
2-Hexanone	ND	45	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Isopropylbenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
4-Isopropyltoluene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Methylene Chloride	ND	8.9	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
4-Methyl-2-pentanone (MIBK)	ND	45	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Naphthalene	ND	8.9	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
N-Propylbenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Styrene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,1,1,2-Tetrachloroethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,1,2,2-Tetrachloroethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Tetrachloroethene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Toluene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,2,3-Trichlorobenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,2,4-Trichlorobenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,1,1-Trichloroethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,1,2-Trichloroethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Trichloroethene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Trichlorofluoromethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,2,3-Trichloropropane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,2,4-Trimethylbenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
1,3,5-Trimethylbenzene	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Vinyl acetate	ND	45	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Vinyl chloride	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Xylenes, Total	12	8.9	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
2,2-Dichloropropane	ND	4.5	ug/Kg	10/27/11 08:32	10/27/11 15:53	1
Gasoline Range Organics (GRO) -C5-C12	290	220	ug/Kg	10/27/11 08:32	10/27/11 15:53	1

	Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene	83	45 - 131	10/27/11 08:32	10/27/11 15:53	1
	4-Bromofluorobenzene	102	66 <u>-</u> 148	10/26/11 19:15	10/31/11 12:42	100
	1,2-Dichloroethane-d4 (Surr)	77	60 - 140	10/27/11 08:32	10/27/11 15:53	1
	1,2-Dichloroethane-d4 (Surr)	101	62 - 137	10/26/11 19:15	10/31/11 12:42	100
	Toluene-d8 (Surr)	97	58 - 140	10/27/11 08:32	10/27/11 15:53	1
1	Toluene-d8 (Surr)	101	65 - 141	10/26/11 19:15	10/31/11 12:42	100

Client Sample ID: FEPIT-EXS-10-12 Date Collected: 10/26/11 14:35 Date Received: 10/26/11 18:35

 Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F	ac
Methyl tert-butyl ether	ND		4.3	11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	ug/Kg		10/27/11 08:32	10/27/11 16:24		1
 Acetone	ND		43		ug/Kg		10/27/11 08:32	10/27/11 16:24		1
 Benzene	ND		4.3		ug/Kg		10/27/11 08:32	10/27/11 16:24		1
 Dichlorobromomethane	ND		4.3		ug/Kg		10/27/11 08:32	10/27/11 16:24		1

Lab Sample ID: 720-38344-4

Matrix: Solid

Lab Sample ID: 720-38344-4

Matrix: Solid

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-10-12 Date Collected: 10/26/11 14:35 Date Received: 10/26/11 18:35

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Bromobenzene	4.3 J	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chlorobromomethane	ND	17	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Bromoform	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Bromomethane	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
2-Butanone (MEK)	ND	43	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
n-Butylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
sec-Butylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
tert-Butylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Carbon disulfide	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Carbon tetrachloride	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chlorobenzene	10 丁	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chloroethane	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chloroform	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chloromethane	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
2-Chlorotoluene	17 J	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
4-Chlorotoluene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Chlorodibromomethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,2-Dichlorobenzene	170 T	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,3-Dichlorobenzene	20 J	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,4-Dichlorobenzene	110 J	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,3-Dichloropropane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1-Dichloropropene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,2-Dibromo-3-Chloropropane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Ethylene Dibromide	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Dibromomethane	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Dichlorodifluoromethane	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1-Dichloroethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,2-Dichloroethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1-Dichloroethene	ND	4.3	ug/Kg	10/27/11 08:32		1
cis-1,2-Dichloroethene	5.6 J	4.3	ug/Kg	10/27/11 08:32		1
trans-1,2-Dichloroethene	ND	4.3	ug/Kg	10/27/11 08:32		1
1,2-Dichloropropane	ND	4.3	ug/Kg	10/27/11 08:32		1
cis-1,3-Dichloropropene	ND	4.3	ug/Kg	10/27/11 08:32		1
trans-1,3-Dichloropropene	ND	4.3	ug/Kg	10/27/11 08:32		1
Ethylbenzene	ND	4.3	ug/Kg	10/27/11 08:32		1
Hexachlorobutadiene	ND	4.3	ug/Kg	10/27/11 08:32		1
2-Hexanone	ND	43	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Isopropylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
4-Isopropyltoluene	ND	4.3	ug/Kg	10/27/11 08:32		1
Methylene Chloride	ND	8.6	ug/Kg	10/27/11 08:32		1
4-Methyl-2-pentanone (MIBK)	ND	.43	ug/Kg	10/27/11 08:32		1
Naphthalene	ND	8.6	ug/Kg	10/27/11 08:32		1
N-Propylbenzene	ND	4.3	ug/Kg	10/27/11 08:32		1
Styrene	ND	4.3	ug/Kg	10/27/11 08:32		1
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg	10/27/11 08:32		1
1,1,2,2-Tetrachloroethane	ND	4.3	ug/Kg	10/27/11 08:32		1
Tetrachloroethene	ND	4.3	ug/Kg	10/27/11 08:32		1
Toluene	ND	4.3	ug/Kg	10/27/11 08:32		1
1,2,3-Trichlorobenzene	ND .	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1

TestAmerica Job ID: 720-38344-1

Lab Sample ID: 720-38344-4

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-10-12 Date Collected: 10/26/11 14:35 Date Received: 10/26/11 18:35

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1,1-Trichloroethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1,2-Trichloroethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Trichloroethene	6.8 J	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Trichlorofluoromethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1 :
1,2,3-Trichloropropane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,2,4-Trimethylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Vinyl acetate	ND	43	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Vinyl chloride	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Xylenes, Total	ND	8.6	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
2,2-Dichloropropane	ND	4.3	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Gasoline Range Organics (GRO) -C5-C12	ND	210	ug/Kg	10/27/11 08:32	10/27/11 16:24	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87	45 - 131		10/27/11 08:32	10/27/11 16:24	1
1,2-Dichloroethane-d4 (Surr)	81	60 - 140		10/27/11 08:32	10/27/11 16:24	1
Toluene-d8 (Surr)	96	58 - 140		10/27/11 08:32	10/27/11 16:24	1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Dissolved

Client Sample ID: SUMP-EXB-WATER-1-16Lab Sample ID: 720-38344-1Date Collected: 10/26/11 12:50Matrix: WaterDate Received: 10/26/11 18:35Matrix: Water

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2200 J	58	ug/L	10/27/11 16:47	11/02/11 00:53	1
Motor Oil Range Organics [C24-C36]	ND	120	ug/L	10/27/11 16:47	11/02/11 00:53	1
Surrogate	%Recovery Qualifier	· Limits		Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01	0 - 5		10/27/11 16:47	11/02/11 00:53	1
p-Terphenyl	104	31 - 150		10/27/11 16:47	11/02/11 00:53	1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: FEPIT-EXS-9-6 Date Collected: 10/26/11 13:40 Date Received: 10/26/11 18:35							Lab S	Sample ID: 720- Matri	38344-3 ix: Solid
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170	ナ	5.0		mg/Kg		10/28/11 13:00	11/02/11 12:33	5
Motor Oil Range Organics [C24-C36]	340	T	250		mg/Kg		10/28/11 13:00	11/02/11 12:33	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				10/28/11 13:00	11/02/11 12:33	5
p-Terphenyl	0	ХD	38 - 148				10/28/11 13:00	11/02/11 12:33	5
Client Sample ID: FEPIT-EXS-10-12							Lab S	ample ID: 720-	38344-4
Date Collected: 10/26/11 14:35 Date Received: 10/26/11 18:35								Matri	x: Solid
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	89	\mathcal{T}_{i}	1.0		mg/Kg		10/28/11 13:00	11/02/11 01:42	1
Motor Oil Range Organics [C24-C36]	170		50		mg/Kg		10/28/11 13:00	11/02/11 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.009		0 - 1				10/28/11 13:00	11/02/11 01:42	1
p-Terphenyl	65		38 - 148				10/28/11 13:00	11/02/11 01:42	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101777

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-101777/1-A Matrix: Solid Analysis Batch: 101763

Analysis Batch: 101763						Prep Batch:	101777
• • •	MB MB	D			Dramanad	Analyzad	Dil Fac
Analyte	Result Qualifier ND	RL 5.0	MDL Unit ug/Kg	D	Prepared 10/27/11 08:32	Analyzed 10/27/11 10:42	1 Dir Fac
Methyl tert-butyl ether	ND	50	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Acetone	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Benzene	ND	5.0			10/27/11 08:32	10/27/11 10:42	1
Dichlorobromomethane	ND	5.0	ug/Kg ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Bromobenzene	ND	20	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chlorobromomethane	NÐ	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Bromoform Bromomethane	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
2-Butanone (MEK)	ND	50	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
n-Butylbenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
sec-Butylbenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
tert-Butylbenzene Carbon disulfide	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Carbon tetrachloride	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chlorobenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chloroethane	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chloroform	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chloromethane	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
2-Chlorotoluene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
4-Chlorotoluene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Chlorodibromomethane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,2-Dichlorobenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,3-Dichlorobenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,4-Dichlorobenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,3-Dichloropropane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,1-Dichloropropene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Ethylene Dibromide	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Dibromomethane	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Dichlorodifluoromethane	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,1-Dichloroethane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,2-Dichloroethane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,1-Dichloroethene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
cis-1,2-Dichloroethene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
trans-1,2-Dichloroethene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,2-Dichloropropane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
cis-1,3-Dichloropropene	ND	· 5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
trans-1,3-Dichloropropene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Ethylbenzene	ND	5.0	ug/Kg.		10/27/11 08:32	10/27/11 10:42	1
Hexachlorobutadiene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
2-Hexanone	ND	50	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Isopropylbenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
4-Isopropyltoluene	ND ·	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Methylene Chloride	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Naphthalene	ND	10	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
N-Propylbenzene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
Styrene	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg		10/27/11 08:32	10/27/11 10:42	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-101777/1-A Matrix: Solid Analysis Batch: 101763

Analysis Batch: 101763					Prep Batch	: 101777
-	MB MB				•	
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Tetrachloroethene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Toluene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Trichloroethene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Trichlorofluoromethane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,2,3-Trichloropropane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Vinyl acetate	ND	50	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Vinyl chloride	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Xylenes, Total	ND	10	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
2,2-Dichloropropane	ND	5.0	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
Gasoline Range Organics (GRO)	ND	250	ug/Kg	10/27/11 08:3	2 10/27/11 10:42	1
-C5-C12						

		MB	MB				
	Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
ł	4-Bromofluorobenzene	98		45 - 131	10/27/11 08:32	10/27/11 10:42	1
ł	1,2-Dichloroethane-d4 (Surr)	80		60 - 140	10/27/11 08:32	10/27/11 10:42	1
	Toluene-d8 (Surr)	98		58 - 140	10/27/11 08:32	10/27/11 10:42	1

Lab Sample ID: LCS 720-101777/2-A Matrix: Solid

Analysis Batch: 101763

	Analysis Batch: 101763							Prep Batch: 101777
		Spike	LCS					% Rec.
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
	Methyl tert-butyl ether	49.7	46.7		ug/Kg		94	71 - 144
	Acetone	249	156		ug/Kg		63	30 - 162
	Benzene	49.7	49.5		ug/Kg		100	77 - 113
	Dichlorobromomethane	49.7	46.9		ug/Kg		94	86 - 131
1000	Bromobenzene	49.7	50.7		ug/Kg		102	88 - 120
	Chlorobromomethane	49.7	43.7		ug/Kg		88	81 - 116
	Bromoform	49.7	49.5		ug/Kg		100	59 - 158
	Bromomethane	49.7	45.3		ug/Kg		91	59 ₋ 132
	2-Butanone (MEK)	249	176		ug/Kg		71	61 - 150
1	n-Butylbenzene	49.7	58.1		ug/Kg		117	80 - 142
	sec-Butylbenzene	49.7	58.4		ug/Kg		118	85 - 136
	tert-Butylbenzene	49.7	57.9		ug/Kg		116	71 - 130
	Carbon disulfide	49.7	44.5		ug/Kg		90	60 - 136
	Carbon tetrachloride	49.7	50.5		ug/Kg		102	81 - 138
	Chlorobenzene	49.7	49.5		ug/Kg		100	82 - 114
	Chloroethane	49.7	49.5		ug/Kg		100	65 - 126
	Chloroform	49.7	45.3		ug/Kg		91	77 - 127
	Chloromethane	49.7	45.5		ug/Kg		92	60 - 149
	2-Chlorotoluene	49.7	56.5		ug/Kg		114	80 - 138
	4-Chlorotoluene	49.7	54.7		ug/Kg		110	79 - 136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101777/2-A

Matrix:	Solid
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Matrix: Solid						be: Total/INA
Analysis Batch: 101763					-	tch: 101777
	Spike	LCS	LCS		% Rec.	
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits	
Chlorodibromomethane	49.7	44.9	ug/Kg	90	75 - 146	
1,2-Dichlorobenzene	49.7	50.9	ug/Kg	102	84 - 130	
1,3-Dichlorobenzene	49.7	52.5	ug/Kg	106	84 - 131	
1,4-Dichlorobenzene	49.7	51.5	ug/Kg	104	85 - 125	
1,3-Dichloropropane	49.7	44.5	ug/Kg	90	79 _ 140	
1,1-Dichloropropene	49.7	50.3	ug/Kg	101	70 - 130	
1,2-Dibromo-3-Chloropropane	49.7	51.9	ug/Kg	104	68 - 145	
Ethylene Dibromide	49.7	43.3	ug/Kg	87	79 _ 140	
Dibromomethane	49.7	41.7	ug/Kg	84	80 - 139	
Dichlorodifluoromethane	49.7	41.2	ug/Kg	83	37 - 158	
1,1-Dichloroethane	49.7	48.7	ug/Kg	98	76 - 119	
1,2-Dichloroethane	49.7	38.4	ug/Kg	77	72 _ 130	
1,1-Dichloroethene	49.7	48.1	ug/Kg	97	68 _ 119	
cis-1,2-Dichloroethene	49.7	54.3	ug/Kg	109	87 _ 138	
trans-1,2-Dichloroethene	49.7	41.9	ug/Kg	84	67 _ 108	
1,2-Dichloropropane	49.7	48.5	ug/Kg	98	73 _ 127	
cis-1,3-Dichloropropene	49.7	48.9	ug/Kg	98	68 - 147	
trans-1,3-Dichloropropene	49.7	48.9	ug/Kg	98	84 - 136	
Ethylbenzene	49.7	51.1	ug/Kg	103	80 - 137	
Hexachlorobutadiene	49.7	53.9	ug/Kg	108	72 - 132	
2-Hexanone	249	192	ug/Kg	77	60 _ 161	
Isopropylbenzene	49.7	53.7	ug/Kg	108	88 - 128	
4-Isopropyltoluene	49.7	57.1	ug/Kg	115	85 - 133	
Methylene Chloride	49.7	46.3	ug/Kg	93	72 - 134	
4-Methyl-2-pentanone (MIBK)	249	197	ug/Kg	79	69 ₋ 160	
Naphthalene	49.7	50.3	ug/Kg	101	70 - 147	
N-Propylbenzene	49.7	55.9	ug/Kg	112	72 - 125	
Styrene	49.7	51.1	ug/Kg	103	89 _ 126	
1,1,1,2-Tetrachloroethane	49.7	52.5	ug/Kg	106	90 - 130	
1,1,2,2-Tetrachloroethane	49.7	49.7	ug/Kg	100	82 - 146	
Tetrachloroethene	49.7	48.3	ug/Kg	97	78 ₋ 132	
Toluene	49.7	52.3	ug/Kg	105	80 - 114	
1,2,3-Trichlorobenzene	49.7	50.9	ug/Kg	102	82 - 135	
1,2,4-Trichlorobenzene	49.7	49.7	ug/Kg	100	70 - 131	
	49.7	45.9	ug/Kg	92	80 - 127	
1,1,1-Trichloroethane	49.7	44.3	ug/Kg	89	82 - 125	
1,1,2-Trichloroethane	49.7	48.1	ug/Kg	97	81 - 133	
Trichloroethene	49.7	45.3	ug/Kg	91	71 - 139	
Trichlorofluoromethane	49.7	46.3	ug/Kg	93	76 ₋ 146	
1,2,3-Trichloropropane	49.7	46.5	ug/Kg	94	70 - 140 70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroetha	49.7	40.5	ugnig	54	/0=100	
ne 1,2,4-Trimethylbenzene	49.7	55.7	ug/Kg	112	84 - 130	
1,3,5-Trimethylbenzene	49.7	57.7	ug/Kg	116	82 - 131	
Vinyl acetate	49.7	ND	ug/Kg	98	38 - 176	
Vinyl chloride	49.7	45.1	ug/Kg	91	58 - 125	
m-Xylene & p-Xylene	99.4	100	ug/Kg	101	79 ₋ 146	
o-Xylene	49.7	51.7	ug/Kg	104	84 - 140	
2,2-Dichloropropane	49.7	42.9	ug/Kg	86	73 - 162	
z,z-biolioropropana	10.7		e e.			

Lab Sample ID: LCS 720-101777/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 101763 Prep Batch: 101777 LCS LCS Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 95 45 - 131 78 1,2-Dichloroethane-d4 (Surr) 60 - 140 Toluene-d8 (Surr) 99 58 - 140 Lab Sample ID: LCS 720-101777/4-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA Analysis Batch: 101763 Prep Batch: 101777 LCS LCS Spike % Rec. Analyte Added **Result Qualifier** Unit D %Rec Limits Gasoline Range Organics (GRO) 994 917 ua/Ka 92 61 - 128 -C5-C12 LCS LCS Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 98 45 - 131 1.2-Dichloroethane-d4 (Surr) 80 60 - 140 Toluene-d8 (Surr) 99 58_140 Lab Sample ID: LCSD 720-101777/3-A **Client Sample ID: Lab Control Sample Dup** Matrix: Solid Prep Type: Total/NA Analysis Batch: 101763 Prep Batch: 101777 LCSD LCSD Spike % Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD I imit Methyl tert-butyl ether 49.9 45.3 ua/Ka 91 71 - 144 3 20 Acetone 250 155 ug/Kg 62 30 - 162 1 30 Benzene 49.9 49.9 ug/Kg 100 77 - 113 20 1 Dichlorobromomethane 49.9 47.3 86 - 131 ug/Kg 95 20 1 Bromobenzene 49.9 50.7 ug/Kg 102 88 - 120 0 20 Chlorobromomethane 49.9 43 7 88 ug/Kg 81_116 0 20 Bromoform 49.9 48.3 97 59 - 158 ug/Kg 2 20 Bromomethane 49.9 46.1 ug/Kg 92 59 - 1322 20 2-Butanone (MEK) 250 169 ug/Kg 68 61 - 150 4 20 n-Butylbenzene 49.9 58.9 118 80 142 ug/Kg 20 1 sec-Butylbenzene 49.9 59.3 ug/Kg 119 85 - 136 1 20 tert-Butylbenzene 49.9 58.3 71 - 130 117 ug/Kg 20 1 Carbon disulfide 49.9 44.5 ug/Kg 89 60 - 136 20 0 Carbon tetrachloride 49.9 51.5 103 ug/Kg 81 - 138 2 20 Chlorobenzene 49.9 50.1 ug/Kg 100 82 - 114 1 20 Chloroethane 49.9 50.1 ug/Kg 100 65 - 126 20 1 Chloroform 49.9 45.7 ug/Kg 92 77 - 127 20 1 Chloromethane 49.9 46.7 94 60 - 149 ug/Kg 20 з 2-Chlorotoluene 49.9 57.1 ug/Kg 114 80 - 138 20 1 4-Chlorotoluene 49.9 55.3 111 79 - 136 ua/Ka 1 20 Chlorodibromomethane 49.9 44.5 ug/Kg 89 75 - 146 1 20 1,2-Dichlorobenzene 49.9 50.3 ug/Kg 101 84 - 130 20 1 1,3-Dichlorobenzene 49.9 52.7 ug/Kg 106 84 - 131 0 20 1,4-Dichlorobenzene 49.9 ug/Kg 51.7 104 85 - 125 0 20 1,3-Dichloropropane 49.9 43.7 ug/Kg 88 79 - 140 2 20 1,1-Dichloropropene 49.9 50.7 102 70 - 130 ug/Kg 1 20

1,2-Dibromo-3-Chloropropane

4

20

68 - 145

100

50.1

ug/Kg

49 9

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 720-101777/3-A Prep Type: Total/NA Matrix: Solid Prep Batch: 101777 Analysis Batch: 101763 LCSD LCSD RPD % Rec. Spike RPD Result Qualifier Unit D %Rec Limits Limit Added Analyte 79 - 140 20 42.9 ua/Ka 86 1 49 9 Ethylene Dibromide 20 82 80 139 2 49.9 41.1 ug/Kg Dibromomethane 84 37 - 158 20 49.9 41.7 ug/Kg 1 Dichlorodifluoromethane 20 99 76 119 1,1-Dichloroethane 49.9 49.3 ug/Kg 1 76 72 - 130 20 49.9 38.1 ug/Kg 1 1,2-Dichloroethane 20 98 68 _ 119 1 49.9 48.7 ug/Kg 1,1-Dichloroethene 108 87 - 138 0 20 49.9 54.1 ug/Kg cis-1.2-Dichloroethene 85 67 - 108 20 42.5 1 49.9 ug/Kg trans-1,2-Dichloroethene 97 73 - 127 ٥ 20 49.9 48.5 ug/Kg 1,2-Dichloropropane 97 68 - 147 1 20 48.5 ug/Kg cis-1,3-Dichloropropene 49.9 84 - 136 2 20 47.9 96 49.9 ug/Kg trans-1,3-Dichloropropene 20 104 80 - 137 2 49.9 52.1 ug/Kg Ethylbenzene 72 - 132 20 49.9 54.7 ug/Kg 110 1 Hexachlorobutadiene 250 183 ug/Kg 73 60 _ 161 5 20 2-Hexanone 110 88 - 128 2 20 49.9 54.7 ug/Kg Isopropylbenzene ug/Kg 85 - 133 2 20 58.1 116 49.9 4-Isopropyltoluene 0 20 72.134 93 49.9 46.5 ug/Kg Methylene Chloride 76 69 - 160 4 20 250 189 ug/Kg 4-Methyl-2-pentanone (MIBK) 70 - 147 2 20 98 Naphthalene 49.9 49.1 ug/Kg 49.9 57 1 ug/Kg 114 72 - 125 2 20 N-Propylbenzene ug/Kg 103 89 - 126 0 20 49.9 513 Styrene 52.7 ug/Kg 106 90 - 130 n 20 49.9 1,1,1,2-Tetrachloroethane 95 82 - 146 5 20 47.5 49.9 ug/Kg 1,1,2,2-Tetrachloroethane 98 78 - 132 2 20 49.1 ug/Kg Tetrachloroethene 49.9 80 - 114 20 106 1 52.9 ug/Kg Toluene 49 9 82 - 135 0 20 102 1.2.3-Trichlorobenzene 49.9 50.7 ug/Kg 70 - 131 20 49.9 49.3 ug/Kg 99 1 1,2,4-Trichlorobenzene 80 127 2 20 49.9 46.7 ug/Kg 94 1,1,1-Trichloroethane 43.3 ug/Kg 87 82 - 125 2 20 49.9 1,1,2-Trichloroethane 98 81 - 133 1 20 49.9 48.7 ug/Kg Trichloroethene 92 71 - 139 2 20 49.9 46.1 ug/Kg Trichlorofluoromethane 90 76 - 146 3 20 45.1 1,2,3-Trichloropropane 49.9 ua/Ka 94 70 - 130 1 20 49.9 46.9 ug/Kg 1,1,2-Trichloro-1,2,2-trifluoroetha ne 0 20 1,2,4-Trimethylbenzene 49.9 55.5 ug/Kg 111 84 - 130 82 - 131 20 58.3 117 1 49 9 ug/Kg 1,3,5-Trimethylbenzene 38 - 176 49.9 ND ug/Kg 93 5 20 Vinyl acetate 58 - 125 3 20 49.9 46.5 ug/Kg 93 Vinyl chloride 20 79 _ 146 1 102 m-Xylene & p-Xylene 99.8 102 ug/Kg 104 84 - 140 0 20 49.9 51.9 ug/Kg o-Xylene 87 73 - 162 1 20 49.9 43.5 ug/Kg 2,2-Dichloropropane LCSD LCSD

Surrogate	% Recovery Qualifier	Limits
4-Bromofluorobenzene	95	45 - 131
1,2-Dichloroethane-d4 (Surr)	77	60 - 140
Toluene-d8 (Surr)	99	58 - 140

Lab Sample ID: LCSD 720-10 Matrix: Solid)1777/5-A			Client	Sample ID: L	ab Control Sam Prep Type: T	Fotal/NA
Analysis Batch: 101763						Prep Batch	
• • •		Spike	LCSD LCSD			% Rec.	RPD
Analyte		Added	Result Qualifier	Unit	D %Rec	Limits RPI	
Gasoline Range Organics (GRO) -C5-C12		996	899	ug/Kg	90	61 - 128	2 20
	LCSD LCSD						
Surrogate	% Recovery Qualifier	Limits					
4-Bromofluorobenzene	102	45 - 131					
1,2-Dichloroethane-d4 (Surr)	83	60 - 140					
Toluene-d8 (Surr)	99	58 - 140					
Lab Sample ID: MB 720-1019 Matrix: Water	01/4				Client Sa	imple ID: Metho Prep Type: 1	
Analysis Batch: 101901						Tich Type: I	otaintia
	MB MB						
Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	ug/L	-		10/28/11 19:45	1
Acetone	ND	50	ug/L			10/28/11 19:45	1
Benzene	ND	0.50	ug/L			10/28/11 19:45	1
Dichlorobromomethane	ND	0,50	ug/L			10/28/11 19:45	1
Bromobenzene	ND	1.0	ug/L			10/28/11 19:45	1
Chlorobromomethane	ND	1.0	ug/L			10/28/11 19:45	1
Bromoform	ND	1.0	ug/L			10/28/11 19:45	1
Bromomethane	ND	1.0	ug/L			10/28/11 19:45	1
2-Butanone (MEK)	ND	50	ug/L			10/28/11 19:45	1
n-Butylbenzene	ND	1.0	ug/L			10/28/11 19:45	1
sec-Butylbenzene	ND	1.0	ug/L			10/28/11 19:45	1
tert-Butylbenzene	ND	1.0	ug/L			10/28/11 19:45	1
Carbon disulfide	ND	5.0	ug/L			10/28/11 19:45	1
Carbon tetrachloride	ND	0.50	ug/L			10/28/11 19:45	1
Chlorobenzene	ND	0.50	ug/L			10/28/11 19:45	1
Chloroethane	ND	1.0	ug/L			10/28/11 19:45	1
Chloroform	ND	1.0	ug/L			10/28/11 19:45	1
Chloromethane	ND	1.0	ug/L			10/28/11 19:45	1
2-Chlorotoluene	ND	0.50	ug/L			10/28/11 19:45	1
4-Chlorotoluene	ND	0.50	ug/L			10/28/11 19:45	1
Chlorodibromomethane	ND	0.50	ug/L			10/28/11 19:45	1
1,2-Dichlorobenzene	ND	0.50	ug/L			10/28/11 19:45	1
1,3-Dichlorobenzene	ND	0.50	ug/L			10/28/11 19:45	1
1,4-Dichlorobenzene	ND	0.50	ug/L			10/28/11 19:45	1
1,3-Dichloropropane	ND	1.0	ug/L			10/28/11 19:45	1
1,1-Dichloropropene	ND .	0.50	ug/L			10/28/11 19:45	1
1,2-Dibromo-3-Chloropropane	ND	1.0	ug/L			10/28/11 19:45	1
Ethylene Dibromide	ND	0.50	ug/L			10/28/11 19:45	1
Dibromomethane	. ND	0.50	ug/L			10/28/11 19:45	1
Dichlorodifluoromethane	. ND	0.50	ug/L			10/28/11 19:45	1
1,1-Dichloroethane	ND	0.50	ug/L			10/28/11 19:45	1
1,2-Dichloroethane	ND	0.50	ug/L			10/28/11 19:45	1
1,1-Dichloroethene	ND	0.50	ug/L			10/28/11 19:45	1
cis-1,2-Dichloroethene	ND	0.50	ug/L			10/28/11 19:45	1
trans-1,2-Dichloroethene	ND	0.50	ug/L			10/28/11 19:45	1
1,2-Dichloropropane	ND	0.50				10/28/11 19:45	1
., - Domoropropane	ND .	0.00	ug/L			10/20/11 19:45	1

Lab Sample ID: MB 720-101901/4 Matrix: Water

Analysis Batch: 101901

Client Sample ID: Method Blank Prep Type: Total/NA

· · · · · · · · · · · · · · · · · · ·	MB	МВ							
Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.50		ug/L			10/28/11 19:45	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			10/28/11 19:45	1
Ethylbenzene	ND		0.50		ug/L			10/28/11 19:45	1
Hexachlorobutadiene	ND		1.0		ug/L			10/28/11 19:45	1
2-Hexanone	ND		50		ug/L			10/28/11 19:45	1
Isopropylbenzene	ND		0.50		ug/L			10/28/11 19:45	1
4-Isopropyltoluene	ND		1.0		ug/L			10/28/11 19:45	1
Methylene Chloride	ND		5.0		ug/L			10/28/11 19:45	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			10/28/11 19:45	1
Naphthalene	ND		1.0		ug/L			10/28/11 19:45	1
N-Propylbenzene	ND		1.0		ug/L			10/28/11 19:45	1
Styrene	ND		0.50		ug/L			10/28/11 19:45	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			10/28/11 19:45	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			10/28/11 19:45	1
Tetrachloroethene	ND		0.50		ug/L			10/28/11 19:45	1
Toluene	ND		0.50		ug/L			10/28/11 19:45	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/28/11 19:45	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/28/11 19:45	1
1,1,1-Trichloroethane	ND		0.50		ug/L			10/28/11 19:45	1
1,1,2-Trichloroethane	ND		0.50		ug/L			10/28/11 19:45	1
Trichloroethene	ND		0.50		ug/L			10/28/11 19:45	1
Trichlorofluoromethane	ND		1.0		ug/L			10/28/11 19:45	1
1,2,3-Trichloropropane	ND		0.50		ug/L			10/28/11 19:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			10/28/11 19:45	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			10/28/11 19:45	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			10/28/11 19:45	1
Vinyl acetate	ND		10		ug/L			10/28/11 19:45	1
Vinyl chloride	ND		0.50		ug/L			10/28/11 19:45	1
Xylenes, Total	ND		1.0		ug/L			10/28/11 19:45	1
2,2-Dichloropropane	ND		0.50		ug/L			10/28/11 19:45	1
Gasoline Range Organics (GRO)	ND		50		ug/L			10/28/11 19:45	1

	MB	MB			
 Surrogate	% Recovery	Qualifier I	.imits	Prepared Analyzed	Dil Fac
 4-Bromofluorobenzene	94	e	57 - 130	10/28/11 19:45	1
 1,2-Dichloroethane-d4 (Surr)	104	7	75 - 138	10/28/11 19:45	1
 Toluene-d8 (Surr)	94	7	0_130	10/28/11 19:45	1

Lab Sample ID: LCS 720-101901/5 Matrix: Water Analysis Batch: 101901

-C5-C12

	Spike	LCS LCS			% Rec.
Analyte	Added	Result Qualifier	Unit	D %Rec	Limits
Methyl tert-butyl ether	25.0	28.5	ug/L	114	62 - 130
Acetone	125	94.6	ug/L	76	26 - 180
Benzene	25.0	24.9	ug/L	100	79 - 120
Dichlorobromomethane	25.0	27.5	ug/L	110	70 - 130
Bromobenzene	25.0	25.9	ug/L	104	79 - 127
Chlorobromomethane	25.0	26.0	ug/L	104	70 - 130
Bromoform	25.0	29.9	ug/L	120	68 - 136

TestAmerica San Francisco 12/16/2011

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101901/5 Matrix: Water

Analysis Batch: 101901					перт	ype. TotainiA
·····, ····	Spike	LCS	LCS		% Rec.	
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits	
Bromomethane	25.0	22.5	ug/L	90	43 - 151	
2-Butanone (MEK)	125	113	ug/L	90	54 - 124	
n-Butylbenzene	25.0	26.7	ug/L	107	79 - 142	
sec-Butylbenzene	25.0	26.2	ug/L	105	81 - 134	
tert-Butylbenzene	25.0	26.7	ug/L	107	82 - 135	
Carbon disulfide	25.0	21.5	ug/L	86	58 - 124	
Carbon tetrachloride	25.0	26.8	ug/L	107	77 - 146	
Chlorobenzene	25.0	25.6	ug/L	102	70 - 130	
Chloroethane	25.0	22.3	ug/L	89	62 - 138	
Chloroform	25.0	25.1	ug/L	100	70 - 130	
Chloromethane	25.0	20.5	ug/L	82	52 - 175	
2-Chlorotoluene	25.0	26.9	ug/L	108	70 ₋ 130	
4-Chlorotoluene	25.0	26.3	ug/L	105	70 ₋ 130	
Chlorodibromomethane	25.0	28.6	ug/L	114	78 - 145	
1,2-Dichlorobenzene	25.0	25.8	ug/L	103	70 - 130	
1,3-Dichlorobenzene	25.0	26.1	ug/L	104	70 - 130	
1,4-Dichlorobenzene	25.0	25.7	ug/L	103	87 - 118	
1,3-Dichloropropane	25.0	27.2	ug/L	109	75 - 124	
1,1-Dichloropropene	25.0	25.6	ug/L	102	70 - 130	
1,2-Dibromo-3-Chloropropane	25.0	29.1	ug/L	116	72 - 136	
Ethylene Dibromide	25.0	28.3	ug/L	113	70 - 130	
Dibromomethane	25.0	26.9	ug/L	108	70 - 130	
Dichlorodifluoromethane	25.0	16.4	ug/L	66	34 - 132	
1,1-Dichloroethane	25.0	24.5	ug/L	98	70 - 130	
1,2-Dichloroethane	25.0	25.9	ug/L	104	70 - 126	
1,1-Dichloroethene	25.0	22.3	ug/L	89	64 - 128	
cis-1,2-Dichloroethene	25.0	28.5	ug/L	114	70_130	
trans-1,2-Dichloroethene	25.0	21.0	ug/L	84	68 ₋ 118	
1,2-Dichloropropane	25.0	25.0	ug/L	100	70 - 130	
cis-1,3-Dichloropropene	25.0	27.1	ug/L	108	81 - 126	
trans-1,3-Dichloropropene	25.0	29.0	ug/L	116	83 - 140	
Ethylbenzene	25.0	25.4	ug/L	102	84 - 120	
Hexachlorobutadiene	25.0	24.6	ug/L	98	70 - 130	
2-Hexanone	125	135	ug/L	108	60 - 164	
Isopropylbenzene	25.0	27.2	ug/L	109	70 - 130	
4-Isopropyltoluene	25.0	26.4	ug/L	106	70 - 130	
Methylene Chloride	25.0	23.9	ug/L	96	73 - 147	
4-Methyl-2-pentanone (MIBK)	125	139	ug/L	111	63 - 165	
Naphthalene	25.0	27.2	ug/L	109	78 - 135	
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	26.8	ug/L	107	70 - 130	
Tetrachloroethene	25.0	26.1	ug/L	104	70 - 130	
Toluene	25.0	25.3	ug/L	101	80 - 113	
1,2,3-Trichlorobenzene	25.0	26.0	ug/L	104	70 - 130	
1,2,4-Trichlorobenzene	25.0	25.4	ug/L	102	70 ₋ 130	
1,1,1-Trichloroethane	25.0	25.9	ug/L	102	70 <u>-</u> 130	
1,1,2-Trichloroethane	25.0	26.6	ug/L	104	78 ₋ 125	
Trichloroethene	25.0	25.4	ug/L	102	70 - 120	
		20.1	49, L	102	10-100	

Carbon disulfide

Chlorobenzene

Carbon tetrachloride

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101901 Matrix: Water	/5						Client S	Sample	ID: Lab Co Prep Ty		-
Analysis Batch: 101901			0.11	1.00	1.00				0/ D		
			Spike		LCS	11		9/ Daa	% Rec.		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Frichlorofluoromethane			25.0	22.6		ug/L		90	66 ₋ 132		
1,2,3-Trichloropropane			25.0	27.5		ug/L		110	70 - 130		
1,1,2-Trichloro-1,2,2-trifluoroetha			25.0	23.8		ug/L		95	42 - 162		
ne 1,2,4-Trimethylbenzene			25.0	26.0		ug/L		104	70 - 132		
1,3,5-Trimethylbenzene			25.0	26.9		ug/L		108	70 - 130		
/inyl acetate			25.0	25.7		ug/L		103	43 - 163		
/inyl chloride			25.0	20.1		ug/L		80	63 _ 125		
n-Xylene & p-Xylene			50.0	52.4		ug/L		105	70 - 142		
p-Xylene			25.0	26.8		ug/L		107	85 - 127		
2,2-Dichloropropane			25.0	26.8		ug/L		107	70 - 140		
						0					
		LCS									
Surrogate	% Recovery	Qualifier	Limits								
4-Bromofluorobenzene	100		67 - 130								
1,2-Dichloroethane-d4 (Surr)	103		75 - 138								
Toluene-d8 (Surr)	99		70 - 130								
_ab Sample ID: LCS 720-101901 Matrix: Water	/7						Client	Sample	ID: Lab Co Prep Ty		
Analysis Batch: 101901											
			Spike		LCS		_		% Rec.		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO) C5-C12			500	400		ug/L		80	62 - 117		
	LCS	LCS									
Surrogate	% Recovery	Qualifier	Limits								
4-Bromofluorobenzene	101		67 _ 130								
1,2-Dichloroethane-d4 (Surr)	100		75 ₋ 138								
Toluene-d8 (Surr)	99		70 - 130								
_ab Sample ID: LCSD 720-10190 Matrix: Water	01/6					Clie	ent Samp	ble ID: L	ab Control Prep Ty		
Analysis Batch: 101901											
			Spike		LCSD				% Rec.		R
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Li
Methyl tert-butyl ether			25.0	26.9		ug/L		108	62 - 130	6	
Acetone			125	89.1		ug/L		71	26 - 180	6	
Benzene			25.0	24.1		ug/L		96	79 - 120	3	
Dichlorobromomethane			25.0	26.1		ug/L		104	70 _ 130	5	
Bromobenzene			25.0	25.3		ug/L		101	79 - 127	2	
Chlorobromomethane			25.0	24.9		ug/L		100	70 - 130	4	
Bromoform			25.0	28.5		ug/L		114	68 - 136	5	
Bromomethane			25.0	21.9		ug/L		88	43 - 151	3	
2-Butanone (MEK)			125	107		ug/L		86	54 - 124	5	
a-Butylbenzene			25.0	25.9		ug/L		104	79 - 142	3	
sec-Butylbenzene			25.0	25.9		ug/L		104	81 - 134	1	
ert-Butylbenzene			25.0	26.2		ug/L		105	82 - 135	2	
								~ ~ ~	50 101	~	

58 - 124

77 _ 146

70 - 130

84

100

100

3

7

3

20

20

20

20.9

25.0

24.9

ug/L

ug/L

ug/L

25.0

25.0

25.0

Lab Sample ID: LCSD 720-101901/6 Matrix: Water

Client Sample ID: Lab	Control Sample Dup
	Prep Type: Total/NA

	Watrix: Water					Prep I	/pe: 101	tal/NA	
	Analysis Batch: 101901	Spike	LCSD	LCSD		% Rec.		RPD	
	Analyte	Added		Qualifier Unit	D %Rec	Limits	RPD	Limit	
	Chloroethane	25.0	22.3	ug/L	89	62 - 138	0	20	
	Chloroform	25.0	24.2	ug/L	97	70 - 130	4	20	
	Chloromethane	25.0	20.5	ug/L	82	52 - 175	0	20	
	2-Chlorotoluene	25.0	26.3	ug/L	105	70 ₋ 130	2	20	
	4-Chlorotoluene	25.0	25.8	ug/L	103	70 - 130	2	20	
	Chlorodibromomethane	25.0	26.9	ug/L	108	78 _ 145	6	20	
	1,2-Dichlorobenzene	25.0	25.0	ug/L	100	70 - 130	3	20	
	1,3-Dichlorobenzene	25.0	25.3	ug/L	101	70 - 130	3	20	
ł	1,4-Dichlorobenzene	25.0	24.8	ug/L	99	87 - 118	4	20	
	1,3-Dichloropropane	25.0	25.8	ug/L	103	75 ₋ 124	5	20	
	1,1-Dichloropropene	25.0	24.4	ug/L	98	70 - 130	5	20	
	1,2-Dibromo-3-Chloropropane	25.0	27.9	ug/L	112	72 - 136	4	20	
	Ethylene Dibromide	25.0	26.5	ug/L	106	70 _ 130	7	20	
	Dibromomethane	25.0	25.7	ug/L	103	70 _ 130	5	20	
	Dichlorodifluoromethane	25.0	15.7	ug/L	63	34 _ 132	4	20	
	1,1-Dichloroethane	25.0	23.9	ug/L	96	70 - 130	2	20	
ļ	1,2-Dichloroethane	25.0	24.5	ug/L	98	70 - 126	6	20	
÷	1,1-Dichloroethene	25.0	21.4	ug/L	86	64 - 128	4	20	
÷.	cis-1,2-Dichloroethene	25.0	27.5	ug/L	110	70 _ 130	4	20	
ļ	trans-1,2-Dichloroethene	25.0	20.5	ug/L	82	68 - 118	2	20	
	1,2-Dichloropropane	25.0	24.3	ug/L	97	70 - 130	3	20	
1	cis-1,3-Dichloropropene	25.0	26.2	ug/L	105	81 - 126	3	20	
	trans-1,3-Dichloropropene	25.0	27.7	ug/L	111	83 - 140	5	20	
	Ethylbenzene	25.0	24.6	ug/L	98	84 - 120	3	20	
	Hexachlorobutadiene	25.0	24.2	ug/L	97	70 - 130	2	20	
	2-Hexanone	125	126	ug/L	101	60 - 164	7	20	
	Isopropylbenzene	25.0	26.1	ug/L	104	70 _ 130	4	20	
	4-Isopropyitoluene	25.0	25.6	ug/L	102	70 - 130	3	20	
	Methylene Chloride	25.0	23.3	ug/L	93	73 - 147	3	20	
	4-Methyl-2-pentanone (MIBK)	125	131	ug/L	105	63 - 165	6	20	
	Naphthalene	25.0	26.8	ug/L	107	78 - 135	1	20	
	N-Propylbenzene	25.0	24.9	ug/L	100	70 - 130	2	20	
	Styrene	25.0	27.4	ug/L	110	70 - 130	1	20	
	1,1,1,2-Tetrachloroethane	25.0	26.5	ug/L	106	70 - 130	4	20	
	1,1,2,2-Tetrachloroethane	25.0	26.1	ug/L	104	70 - 130	3	20	
	Tetrachloroethene	25.0	24.5	ug/L	98	70_130	. 6	20	
	Toluene	25.0	24.5	ug/L	98	80 - 113	3	20	
	1,2,3-Trichlorobenzene	25.0	25.2	ug/L	101	70 - 130	3	20	
	1,2,4-Trichlorobenzene	25.0	24.7	ug/L	99	70 - 130	3	20	
	1,1,1-Trichloroethane	25.0	24.5	ug/L	98	70 _ 130	6	20	
	1,1,2-Trichloroethane	25.0	25.3	ug/L	101	78 ₋ 125	5	20	
	Trichloroethene	25.0	24.2	ug/L	97	70 _ 130	5	20	
	Trichlorofluoromethane	25.0	21.7	ug/L	87	66 - 132	4	20	
	1,2,3-Trichloropropane	25.0	26.6	ug/L	106	70 - 130	3	20	
	1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	22.3	ug/L	89	42 - 162	7	20	
	ne								
	1,2,4-Trimethylbenzene	25.0	25.3	ug/L	101	70 - 132	3	20	
	1,3,5-Trimethylbenzene	25.0	26.2	ug/L	105	70 - 130	3	20	
	Vinyl acetate	25.0	24.9	ug/L	100	43 - 163	3	20	
	Vinyl chloride	25.0	20.1	ug/L	80	63 - 125	0	20	

Toluene-d8 (Surr)

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-10 Matrix: Water	1901/6					Cli	ent S	amp	le ID: La	ab Control Prep Ty		
Analysis Batch: 101901			0-11-	1.050	LCSD					% Rec.		RPI
A 1			Spike		Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Analyte			Added 50,0	50.4	Quanner		• • • • •	0	101	70 - 142	4	20
m-Xylene & p-Xylene						ug/L				85 - 127	4	2
o-Xylene			25.0	25.7		ug/L			103			2
2,2-Dichloropropane			25.0	25.8		ug/L			103	70 - 140	4	2
	LCSD LC	SD										
Surrogate	% Recovery Qu	alifier	Limits									
4-Bromofluorobenzene	99		67 - 130									
1,2-Dichloroethane-d4 (Surr)	100		75 - 138									
Toluene-d8 (Surr)	98		70 - 130									
Lab Sample ID: LCSD 720-10 Matrix: Water	1901/8					Cli	ent S	amp	ie ID: La	ab Control : Prep Tyj		
Analysis Batch: 101901												
			Spike	LCSD	LCSD					% Rec.		RP
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO) -C5-C12			500	389		ug/L			78	62 <u>-</u> 117	3	2
	LCSD LC	SD										
Surrogate	% Recovery Qu		Limits									
4-Bromofluorobenzene	101		67 - 130									
1,2-Dichloroethane-d4 (Surr)	100		75 - 138									
Toluene-d8 (Surr)	98		70 - 130									
Lab Sample ID: MB 720-1019 Matrix: Water Analysis Batch: 101963		MB						L	lient Sa	mple ID: M Prep Tyj		
Analyte		t Qualifier	RL	N	IDL Unit		D	Pre	pared	Analyzed	ł	Dil Fa
Chlorobenzene	NE		0,50		ug/L					10/31/11 11	:24	
1,2-Dichlorobenzene	NE		0.50		ug/L					10/31/11 11	:24	
, <u></u>					0							
	ME							_				
Surrogate	% Recovery							Pre	pared	Analyzed		Dil Fa
4-Bromofluorobenzene	102		67 _ 130							10/31/11 11		
1,2-Dichloroethane-d4 (Surr)	84	4	75 - 138							10/31/11 11		
Toluene-d8 (Surr)	99	9	70 _– 130							10/31/11 11	24	
Lab Sample ID: LCS 720-101 Matrix: Water	963/5						Clie	ent S	ample I	D: Lab Cor Prep Ty		
Analysis Batch: 101963											-	
· · · · · · · · · · · · · · · · · · ·			Spike	LCS	LCS					% Rec.		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Chlorobenzene			25.0	25.6		ug/L			102	70 - 130		
1,2-Dichlorobenzene			25.0	24.6		ug/L			98	70 - 130		
	LCS LC	s										
Surrogate	% Recovery Qu		Limits									
4-Bromofluorobenzene	100		67 - 130									
	83		75 - 138									
1,2-Dichloroethane-d4 (Surr)	03		10-100									

70 - 130

94

Toluene-d8 (Surr)

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-1	01963/6					Clie	nt Sam	ole ID: La	ab Control		-
Matrix: Water									Ргер Ту	/pe: To	otal/N
Analysis Batch: 101963			0.11	1.000					~ -		
Apoluto			Spike		LCSD	l lasit	P	9/ Dee	% Rec.	000	RP.
Analyte Chlorobenzene			Added 25.0	25.8	Qualifier	Unit	D	%Rec 103	Limits 70 - 130	RPD 1	Lim 2
1,2-Dichlorobenzene			25.0	25.6		ug/L ug/L		103	70 ₋ 130 70 ₋ 130	3	2
1,2-Dichlorobenzene			25.0	20.4		uy/L		102	70 - 150	5	2
	LCSD	LCSD									
Surrogate	% Recovery	Qualifier	Limits								
4-Bromofluorobenzene	99		67 - 130								
1,2-Dichloroethane-d4 (Surr)	83		75 - 138								
Toluene-d8 (Surr)	100		70 - 130								
Lab Sample ID: MB 720-101	995/1- Δ							lient Sa	mple ID: N	/lethod	l Blan
Matrix: Solid									Prep Ty		
Analysis Batch: 101962									Prep B		
,,		MB MB									
Analyte	R	esult Qualifier	RL	n	/IDL Unit) Pre	epared	Analyze	ed	Dil Fa
1,2-Dichlorobenzene		ND	500		ug/Kg		10/31	/11 07:00	10/31/11 0	9:51	10
1,4-Dichlorobenzene		ND	500		ug/Kg		10/31	/11 07:00	10/31/11 0	9:51	10
		MB MB									
Surrogate	% Reco	overy Qualifier	Limits				Pro	epared	Analyze	d	Dil Fa
4-Bromofluorobenzene	<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	103	66 - 148					/11 07:00	10/31/11 0		10
1,2-Dichloroethane-d4 (Surr)		106	62 - 137					/11 07:00	10/31/11 0		, 0 10
Toluene-d8 (Surr)		98	65 - 141					/11 07:00	10/31/11 0		10
Lab Sample ID: LCS 720-10	1995/2-A						Client \$	Sample I	D: Lab Co	ntrol S	Sample
Matrix: Solid									Prep Ty	pe: To	otal/N/
Analysis Batch: 101962									Prep B	atch: '	10199
			Spike		LCS				% Rec.		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
1,2-Dichlorobenzene			5000	5220		ug/Kg		104	67 - 126		
1,4-Dichlorobenzene			5000	5220		ug/Kg		104	76 _ 130		
	LCS	LCS									
Surrogate	% Recovery	Qualifier	Limits								
4-Bromofluorobenzene	99		66 - 148								
1,2-Dichloroethane-d4 (Surr)	101		62 - 137								
Toluene-d8 (Surr)	100		65 - 141								
Lab Sample ID: LCSD 720 4	04005/2 4					Clier	+ Com		h Control	Sama	Ia D
Lab Sample ID: LCSD 720-1 Matrix: Solid	01555/3-A					Clief	it Samp	ne iD: La	b Control Prep Ty	•	-
Analysis Batch: 101962									Prep B	-	
Analysis Daten. 101002			Spike	LCSD	LCSD				% Rec.	aton.	RPI
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
1,2-Dichlorobenzene			5000	5160		ug/Kg		103	67 - 126	1	2
1,4-Dichlorobenzene			5000	5180		ug/Kg		104	76 - 130	1	2
		1.000				-					
Current and a	LCSD		1 1								
Surrogate	% Recovery	Quaimer	Limits								
4-Bromofluorobenzene	99		66 - 148 62 127								
1,2-Dichloroethane-d4 (Surr)	101		62 - 137								

65 - 141

99

p-Terphenyl

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

			• • • •							
Lab Sample ID: MB 720-10211 Matrix: Water	7/4							Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 102117										
		MB				_				
Analyte		Qualifier		MDL				Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)	ND		50		ug/L				11/02/11 09:54	
-C5-C12										
	MB	MB								
Surrogate	% Recovery	Qualifier					1	Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene	98		67 - 130						11/02/11 09:54	
1,2-Dichloroethane-d4 (Surr)	102		75 - 138						11/02/11 09:54	
Toluene-d8 (Surr)	97		70 - 130						11/02/11 09:54	
Lab Sample ID: LCS 720-1021 Matrix: Water	17/7						Clien	t Sample I	D: Lab Control Prep Type: 1	
Analysis Batch: 102117										
			Spike	LCS LCS	s				% Rec.	
Analyte			Added	Result Qu	alifier	Unit	I	D %Rec	Limits	
Gasoline Range Organics (GRO) -C5-C12			500	370		ug/L		74	62 - 117	
	LCS LCS									
Surrogate	% Recovery Qua	lifier	Limits							
4-Bromofluorobenzene	100		67 - 130							
1,2-Dichloroethane-d4 (Surr)	97		75 - 138							
Toluene-d8 (Surr)	95		70 - 130							
Lab Sample ID: LCSD 720-102 Matrix: Water Analysis Batch: 102117	117/8					Clie	nt Sar	nple ID: La	ab Control Sam Prep Type: T	
			Spike	LCSD LC	SD				% Rec.	RP
Analyte			Added	Result Qua	alifier	Unit	I	D %Rec	Limits RPI) Lim
Gasoline Range Organics (GRO) -C5-C12			500	381		ug/L		76	62_117 3	3 2
	LCSD LCS	D								
Surrogate	% Recovery Qua	lifier	Limits							
4-Bromofluorobenzene	96		67 - 130							
1,2-Dichloroethane-d4 (Surr)	99		75 ₋ 138							
Toluene-d8 (Surr)	102		70 - 130							
lethod: 8015B - Diesel Ra	inge Organics	(DRO)	(GC)							
Lab Sample ID: MB 720-10182							A	Client Sa	mple ID: Metho	d Blan
Matrix: Water									Prep Type: Di	
Analysis Batch: 102035	МВ	мв							Prep Batch:	10182
Analyte	Result	Qualifier	RL	MDL	Unit	ſ) I	Prepared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]	ND		50	•	ug/L		10/:	27/11 16:47	11/02/11 00:28	
Motor Oil Range Organics [C24-C36]	ND		99	-	ug/L		10/:	27/11 16:47	11/02/11 00:28	
·										
	MB								8	D " F
Surrogate	% Recovery	Qualifier					a ser e color de	Prepared	Analyzed	Dil Fa
Capric Acid (Surr)	0.02		0 _ 5				10/	27/11 16:47	11/02/11 00:28	

1

10/27/11 16:47 11/02/11 00:28

31 - 150

90

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-1018 Matrix: Water	21/2-B						Clie	ent Sa	mple l	D: Lab Co Prep Typ		-
Analysis Batch: 102035			Spike	LCS	LCS						Batch: 1	
Analyte			Added		Qualifier	Unit		D 9	%Rec	Limits		
Diesel Range Organics [C10-C28]			2500	1640		ug/L			65	32 ₋ 119		
	LCS LCS	;										
Surrogate	% Recovery Qua	lifier	Limits									
p-Terphenyl	100		31 - 150									
Lab Sample ID: LCSD 720-101 Matrix: Water	821/3-B					Clie	nt Sa	ample	ID: La	b Control	-	-
Analysis Batch: 102035										Prep Typ	atch: 1	
Analysis Daten. 102000			Spike	LCSD	LCSD					% Rec.		RPE
Analyte			Added		Qualifier	Unit		D %	%Rec	Limits	RPD	Limi
Diesel Range Organics [C10-C28]			2500	1800		ug/L			72	32 - 119	10	35
	LCSD LCS	D										
Surrogate	% Recovery Qua		Limits									
p-Terphenyl	95		31 - 150									
Lab Sample ID: MB 720-10187 Matrix: Solid	8/1-A									mple ID: N pe: Silica		
Analysis Batch: 101967										Prep B	atch: 1	01878
	MB	МВ										
Analyte		Qualifier	RL	N	IDL Unit		-	Prepa		Analyze		Dil Fa
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg			0/28/11		10/31/11 2		
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		10	0/28/11	13:00	10/31/11 2	0:10	
Surrogata	MB % Becover	MB	Limits					Brana	re d	Anahma	. al	
Surrogate Capric Acid (Surr)	% Recovery 0.01	Quaimer	0 - 1				10	Prepa 0/28/11		Analyze 10/31/11 2		Dil Fac
p-Terphenyl	94		38 - 148					0/28/11		10/31/11 2		-
Lab Sample ID: LCS 720-1018	78/2-A						Clie	nt Sar	nnle li	D: Lab Co	ntrol S	amnle
Matrix: Solid									-	pe: Silica		-
Analysis Batch: 101967											atch: 1	-
-			Spike	LCS	LCS					% Rec.		
Analyte			Added	Result	Qualifier	Unit		D %	6Rec	Limits		
Diesel Range Organics [C10-C28]			82.6	68.0		mg/Kg			82	50 ₋ 150		
	LCS LCS											
Surrogate p-Terphenyl	% Recovery Qua	lifier	Limits 38 - 148									
			00 - 110									
Lab Sample ID: LCSD 720-101	878/3-A					Clie	nt Sa	-		b Control	-	-
Matrix: Solid								P	rep Ту	pe: Silica		-
Analysis Batch: 101967			.	1.000	1.000					Prep B	atch: 1	
Amoluto			Spike		LCSD	l lm/t			Dec	% Rec.	000	RPD
Analyte Diesel Range Organics			Added 82.8	57.3	Qualifier	Unit mg/Kg		D %	69	Limits 50 - 150	RPD 17	Limit 35

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-101878/3-A	
Matrix: Solid	
Analysis Batch: 101967	
	 _

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 101878

	LCSD	LCSD	
Surrogate	% Recovery		Limits
p-Terphenyl	84		38 - 148

GC/MS VOA

Analysis Batch: 101763

Client Sample ID FEPIT-EXS-9-6 FEPIT-EXS-10-12 Lab Control Sample Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup Method Blank	Prep Type Total/NA Total/NA Total/NA Total/NA Total/NA Total/NA	Matrix Solid Solid Solid Solid Solid Solid Solid	Method 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS	Prep Batch 101777 101777 101777 101777 101777 101777
FEPIT-EXS-10-12 Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid Solid	MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT	101777 101777 101777 101777
Lab Control Sample Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup	Total/NA Total/NA Total/NA Total/NA	Solid Solid Solid Solid	8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT	101777 101777 101777
Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup	Total/NA Total/NA Total/NA	Solid Solid Solid	8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT	101777 101777
Lab Control Sample Dup Lab Control Sample Dup	Total/NA Total/NA	Solid Solid	8260B/CA_LUFT MS 8260B/CA_LUFT MS 8260B/CA_LUFT	101777
Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS 8260B/CA_LUFT	
			8260B/CA_LUFT	101777
Method Blank	Total/NA	Solid	MS	
			8260B/CA_LUFT	101777
			MS	
Client Sample ID		Matrix	Backbard	Deen Detek
Client Sample ID FEPIT-EXS-9-6	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
Method Blank	i otal/NA	Solid	5035	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
SUMP-EXB-WATER-1-16	Total/NA	Water	8260B/CA_LUFT	
TB092811	Total/NA	Water		
			MS	
Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
Lab Control Sample Dup	Totai/NA	Water	MS 8260B/CA_LUFT	
Mathad Blank	T-4-1/010	Mata	MS	
Method Blank	I otal/NA	vvater	8260B/CA_LUFT MS	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
FEPIT-EXS-9-6	Total/NA	Solid	8260B/CA_LUFT	101995
Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	101995
Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT	101995
Method Blank	Total/NA	Solid	8260B/CA_LUFT	101995
			IVIS	
Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	FEPIT-EXS-10-12 Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup Method Blank Client Sample ID SUMP-EXB-WATER-1-16 TB092811 Lab Control Sample Lab Control Sample Lab Control Sample Dup Lab Control Sample Dup Method Blank Client Sample ID FEPIT-EXS-9-6 Lab Control Sample	FEPIT-EXS-10-12Total/NALab Control SampleTotal/NALab Control Sample DupTotal/NALab Control Sample DupTotal/NALab Control Sample DupTotal/NAMethod BlankTotal/NAClient Sample ID SUMP-EXB-WATER-1-16Prep Type Total/NATB092811Total/NALab Control Sample DupTotal/NALab Control Sample DupTotal/NAMethod BlankTotal/NALab Control Sample DupTotal/NALab Control Sample DupTotal/NA <td>FEPIT-EXS-10-12Total/NASolidLab Control SampleTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidMethod BlankTotal/NASolidClient Sample ID SUMP-EXB-WATER-1-16Prep TypeMatrixTB092811Total/NAWaterLab Control SampleTotal/NAWaterLab Control Sample DupTotal/NAWaterLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidMethod BlankTotal/NASolid</td> <td>FEPIT-EXS-10-12Total/NASolid5035Lab Control SampleTotal/NASolid5035Lab Control Sample DupTotal/NASolid5035Lab Control Sample DupTotal/NASolid5035Method BlankTotal/NASolid5035Client Sample DupTotal/NASolid5035Client Sample DupTotal/NASolid5035Client Sample IDPrep TypeMatrixMethodSUMP-EXB-WATER-1-16Total/NAWater8260B/CA_LUFTTB092811Total/NAWater8260B/CA_LUFTLab Control SampleTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTLab Control SampleTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMsTotal/NAWater8260B/CA_LUFTMethod BlankTotal/NAWater8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMasSolid8260B/CA_LUFTMSLab Control SampleTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMsLab Control Sample Dup<</td>	FEPIT-EXS-10-12Total/NASolidLab Control SampleTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidMethod BlankTotal/NASolidClient Sample ID SUMP-EXB-WATER-1-16Prep TypeMatrixTB092811Total/NAWaterLab Control SampleTotal/NAWaterLab Control Sample DupTotal/NAWaterLab Control Sample DupTotal/NASolidLab Control Sample DupTotal/NASolidMethod BlankTotal/NASolid	FEPIT-EXS-10-12Total/NASolid5035Lab Control SampleTotal/NASolid5035Lab Control Sample DupTotal/NASolid5035Lab Control Sample DupTotal/NASolid5035Method BlankTotal/NASolid5035Client Sample DupTotal/NASolid5035Client Sample DupTotal/NASolid5035Client Sample IDPrep TypeMatrixMethodSUMP-EXB-WATER-1-16Total/NAWater8260B/CA_LUFTTB092811Total/NAWater8260B/CA_LUFTLab Control SampleTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTLab Control SampleTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMSTotal/NAWater8260B/CA_LUFTMsTotal/NAWater8260B/CA_LUFTMethod BlankTotal/NAWater8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMasSolid8260B/CA_LUFTMSLab Control SampleTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMethod BlankTotal/NASolid8260B/CA_LUFTMsLab Control Sample Dup<

GC/MS VOA (Continued)

Analysis Batch: 101963 (Continued)

Analysis Batch: 10196	3 (Continued)				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
LCS 720-101963/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
	Lab Cantral Cample Dun		Water	MS	
LCSD 720-101963/6	Lab Control Sample Dup	Total/NA	vvater	8260B/CA_LUFT MS	
MB 720-101963/4	Method Blank	Total/NA	Water	8260B/CA_LUFT	
				MS	
Prep Batch: 101995					
					
Lab Sample ID	Client Sample ID	Prep Type	Matrix Solid	Method 5035	Prep Batcl
720-38344-3	FEPIT-EXS-9-6	Total/NA Total/NA	Solid	5035	
LCS 720-101995/2-A LCSD 720-101995/3-A	Lab Control Sample Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101995/1-A	Method Blank	Total/NA	Solid	5035	
WD 720-101333/1-A	Wethou Blank	Totaintin	Colla	0000	
Analysis Batch: 10211	7				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
720-38344-1	SUMP-EXB-WATER-1-16	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-102117/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
LCSD 720-102117/8	Lab Control Sample Dup	Total/NA	Water	MS 8260B/CA_LUFT	
				MS	
MB 720-102117/4	Method Blank	Total/NA	Water	8260B/CA_LUFT	
				MS	
GC Semi VOA					
Prep Batch: 101823					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38344-1	SUMP-EXB-WATER-1-16	Dissolved	Water	3510C SGC	
LCS 720-101821/2-B	Lab Control Sample	Dissolved	Water	3510C SGC	
LCSD 720-101821/3-B	Lab Control Sample Dup	Dissolved	Water	3510C SGC	
MB 720-101821/1-B	Method Blank	Dissolved	Water	3510C SGC	
Prep Batch: 101878					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
720-38344-3	FEPIT-EXS-9-6	Silica Gel Cleanup	Solid	3546	
720-38344-4	FEPIT-EXS-10-12	Silica Gel Cleanup	Solid	3546	
LCS 720-101878/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-101878/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-101878/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	
Analysis Batch: 10196	7				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batc
LCS 720-101878/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	10187
LCSD 720-101878/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	10187
MB 720-101878/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	10187
Analysis Batch: 10203	5				
······					Duon Doto
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Ргер Басс
	Client Sample ID SUMP-EXB-WATER-1-16	Prep Type Dissolved	Water	8015B	
Lab Sample ID					Prep Batcl 101823 101878
Lab Sample ID 720-38344-1	SUMP-EXB-WATER-1-16	Dissolved	Water	8015B	101823

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Exacavation

GC Semi VOA (Continued)

Analysis Batch: 102035 (Continued)

Lab Sample ID MB 720-101821/1-B	Client Sample ID Method Blank	Prep Type Dissolved	Matrix Water	Method 8015B	Prep Batch 101823
Analysis Batch: 10211	5				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38344-3	FEPIT-EXS-9-6	Silica Gel Cleanup	Solid	8015B	101878

Lab Sample ID: 720-38344-1 Matrix: Water

Lab Sample ID: 720-38344-2

Lab Sample ID: 720-38344-3

Lab Sample ID: 720-38344-4

Matrix: Water

Matrix: Solid

Matrix: Solid

Date Collected: 10/26/11 12:50 Date Received: 10/26/11 18:35

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260B/CA_LUFTMS		10	101901	10/28/11 22:40	YB	TAL SF	
Total/NA	Analysis	8260B/CA_LUFTMS		500	101963	10/31/11 18:10	AC	TAL SF	
Total/NA	Analysis	8260B/CA_LUFTMS		500	102117	11/02/11 12:42	AC	TAL SF	
Dissolved	Prep	3510C SGC			101823	10/27/11 16:47	RU	TAL SF	
Dissolved	Analysis	8015B		1	102035	11/02/11 00:53	DH	TAL SF	

Client Sample ID: TB092811

Date Collected: 10/26/11 13:20

Date Received: 10/26/11 18:35

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	101901	10/28/11 22:12	YB	TAL SF

Client Sample ID: FEPIT-EXS-9-6

Date Collected: 10/26/11 13:40 Date Received: 10/26/11 18:35

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101777	10/27/11 08:32	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101763	10/27/11 15:53	AC	TAL SF
Total/NA	Prep	5035			101995	10/26/11 19:15	AC	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		100	101962	10/31/11 12:42	AC	TAL SF
Silica Gel Cleanup	Prep	3546			101878	10/28/11 13:00	NP	TAL SF
Silica Gel Cleanup	Analysis	8015B		5	102115	11/02/11 12:33	DH	TAL SF
	Prep Type Total/NA Total/NA Total/NA Total/NA Silica Gel Cleanup	BatchPrep TypeTypeTotal/NAPrepTotal/NAAnalysisTotal/NAPrepTotal/NAPrepSilica Gel CleanupPrep	Batch Batch Prep Type Type Method Total/NA Prep 5035 Total/NA Analysis 8260B/CA_LUFTMS Total/NA Prep 5035 Total/NA Prep 5035 Total/NA Prep 5035 Silica Gel Cleanup Prep 3260B/CA_LUFTMS	BatchBatchPrep TypeTypeMethodRunTotal/NAPrep5035Total/NAAnalysis8260B/CA_LUFTMSTotal/NAPrep5035Total/NAPrep5035Total/NAPrep8260B/CA_LUFTMSSilica Gel CleanupPrep3546	BatchBatchDilutionPrep TypeTypeMethodRunFactorTotal/NAPrep50351Total/NAAnalysis8260B/CA_LUFTMS1Total/NAPrep5035100Total/NAAnalysis8260B/CA_LUFTMS100Silica Gel CleanupPrep35461	BatchBatchDilutionBatchPrep TypeTypeMethodRunFactorNumberTotal/NAPrep5035101777Total/NAAnalysis8260B/CA_LUFTMS1101763Total/NAPrep5035101995Total/NAPrep8260B/CA_LUFTMS100101962Silica Gel CleanupPrep3546101878	BatchBatchDilutionBatchPreparedPrep TypeTypeMethodRunFactorNumberor AnalyzedTotal/NAPrep503510177710/27/11 08:32Total/NAAnalysis8260B/CA_LUFTMS110176310/27/11 15:53Total/NAPrep503510010196510/26/11 19:15Total/NAPrep503510010196210/26/11 19:15Total/NAPrep5260B/CA_LUFTMS10010196210/31/11 12:42Silica Gel CleanupPrep546110187810/28/11 13:00	BatchBatchDilutionBatchPreparedPrep TypeTypeMethodRunFactorNumberor AnalyzedAnalystaTotal/NAPrep5035110177710/27/11 08:32JZTotal/NAAnalysis8260B/CA_LUFTMS110176310/27/11 15:53ACTotal/NAPrep503510010190510/26/11 19:15ACTotal/NAPrep503510010196210/31/11 12:42ACSilica Gel CleanupPrep3546110187810/28/11 13:00NP

Client Sample ID: FEPIT-EXS-10-12 Date Collected: 10/26/11 14:35 Date Received: 10/26/11 18:35

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101777	10/27/11 08:32	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101763	10/27/11 16:24	AC	TAL SF
Silica Gel Cleanup	Prep	3546			101878	10/28/11 13:00	NP	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	102035	11/02/11 01:42	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Exacavation

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method	Method Description		Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS		SW846	TAL SF
S				
8015B	Diesel Range Organics (DRO) (GC)		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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Exacavation

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-38344-1	SUMP-EXB-WATER-1-16	Water	10/26/11 12:50	10/26/11 18:35
720-38344-2	TB092811	Water	10/26/11 13:20	10/26/11 18:35
720-38344-3	FEPIT-EXS-9-6	Solid	10/26/11 13:40	10/26/11 18:35
720-38344-4	FEPIT-EXS-10-12	Solid	10/26/11 14:35	10/26/11 18:35

	1040 <u>† America</u> : _ 0D101600=	(707) 793-3800		OF CUSTODY Laely young 3834	FORM	mec ⁹ 134553
Name/Locati Project Mana	•	Pacton	XCavation, Ablin Recorder:	CA Auler 4 -	ANALYSIS R	
Water Soil Air Unpres	HIND A CONTAINERS HIND A CONTAINE A CONTAI	$\frac{\text{MPLE NUMBER}}{\frac{5\times8-\sqrt{a+er-1-16}}{\frac{7}{2}\times8-\sqrt{a+er-1-16}}}$	DATE YR MO DAY TIME		ACCOUNT VOUST 8270 820	
Comments: - For T - For T - Glass O Hold	D: AVENY Pat andaval Field Filtered Y/Q PHd, mo soil sam PHd, mo soil sam PHd, mo water s - fiber filter prio ED sample 1/2 of sar rther notice. (sar	ples: Use silica ge Samples: filteru v te analysis.	El deanup Sing 0.7 micron Sump-EXB-Water-1-11 Yellow - Project Office	Relinquished By (Signature) Received By (Signature) Received By (Signature) Received By (Signature) Relinquished By (Signature) Relinquished By (Signature) Relinquished By (Signature) Received By (Signature): Method of Shipment:	IN OF CUSTODY RECU Tuey Jong Am (Print Name) (Company) (Print Name) (Company)	EC 10/26/11.2.1835 ny) (Date/Time) ywi 10 - 26 - 11 1835 ny) (Date/Time) ny) (Date/Time)

Client: AMEC Geomatrix Inc.

Login Number: 38344

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	
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 sample IDs on the containers 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	

Job Number: 720-38344-1



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38223-1 Client Project/Site: Crown Chevrolet

For:

AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

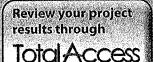
Attn: Avery Patton

Heref Sal)

Authorized for release by: 11/02/2011 05:53:52 PM

Afsaneh Salimpour Project Manager I afsaneh.salimpour@testamericainc.com

LINKS





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.

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Sample Summary	
Chain of Custody	
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Definitions/Glossary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

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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
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 Geomatrix Inc. Project/Site: Crown Chevrolet

Job ID: 720-38223-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38223-1

Comments No additional comments.

Receipt All samples were received in good condition within temperature requirements.

GC/MS VOA No analytical or quality issues were noted.

GC Semi VOA

No other analytical or quality issues were noted.

Organic Prep No analytical or quality issues were noted. TestAmerica Job ID: 720-38223-1

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Page 4 of 25

Detection Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

Lab Sample ID: 720-38223-2

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Lab Sample ID: 720-38223-1

Analyte	Result	Qualifier	RL	MDL.	Unit	Dil Fac	D Method	Ргер Туре
Chlorobenzene	1300	· · · · · · · · · · · · · · · · · · ·	410		ug/Kg	100	8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	910		410		ug/Kg	100	8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	. 28		4.1		ug/Kg	1	8260B/CA_LUFTM	Total/NA

Client Sample ID: SUMP-EXS-2-8

Client Sample ID: SUMP-EXS-1-9

[Analyte			Result	Qualifier		RL	MDL.	Unit	Dil Fac	D	Method	Ргер Туре
	Chlorobenzene	· · ·		1600	-	•	440		ug/Kg	100	_	8260B/CA_LUFTM	Total/NA
	1,2-Dichlorobenzene			2700			440		ug/Kg	100		8260B/CA_LUFTM	Total/NA
	1,4-Dichlorobenzene			44		•	4.9		ug/Kg	1		8260B/CA_LUFTM	Total/NA

TestAmerica San Francisco 11/02/2011

Client Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SUMP-EXS-1-9 Date Collected: 10/19/11 09:10

Date Received: 10/19/11 17:55

Lab Sample	ID: 720-38223-1
	Matrix: Solid

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Lab Sample	ID: 720-3822
	Matrix: So

Analyte	Result Qualifier	RL	MOL Unit	D Prepared	Analyzed	Dil Fa
Methyl tert-butyl ether	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Acetone	ND	41	ug/Kg	10/19/11 20:00	10/21/11 13:32	-
Benzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Dichlorobromomethane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Bromobenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	1997 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
Chlorobromomethane	ND	17	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Bromoform	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Bromomethane	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
2-Butanone (MEK)	ND	41	ug/Kg	10/19/11 20:00	10/21/11 13:32	
n-Butylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
sec-Butylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
ert-Butylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Carbon disulfide	ND	4.1		10/19/11 20:00	10/21/11 13:32	
Carbon tetrachloride	ND		ug/Kg			
en e		4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	10
Chlorobenzene Chloroethane	1300	410	ug/Kg	10/22/11 20:33	10/25/11 06:08	10
	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Chloroform	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Chloromethane	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
-Chlorotoluene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
-Chlorotoluene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
hlorodibromomethane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,2-Dichlorobenzene	910	410	ug/Kg	10/22/11 20:33	10/25/11 06:08	10
,3-Dichlorobenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,4-Dichlorobenzene	28	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,3-Dichloropropane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,1-Dichloropropene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,2-Dibromo-3-Chloropropane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
thylene Dibromide	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
biromomethane	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
ichlorodifluoromethane	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,1-Dichloroethane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,2-Dichloroethane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
,1-Dichloroethene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
s-1,2-Dichloroethene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	•••••••••••••••••••••••••••••••••••••••
ans-1,2-Dichloroethene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	· ·
2-Dichloropropane	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
s-1,3-Dichloropropene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	• • • • • • • •
ans-1,3-Dichloropropene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
thylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
exachlorobutadiene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	· • • • • • •
-Hexanone	ND	41	ug/Kg	10/19/11 20:00	10/21/11 13:32	
opropylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	
Isopropyltoluene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	·
lethylene Chloride	ND	4.1 8.3				
	ND		ug/Kg	10/19/11 20:00	10/21/11 13:32	
Methyl-2-pentanone (MIBK) aphthalene		41	ug/Kg	10/19/11 20:00	10/21/11 13:32	
	ND	8.3	ug/Kg	10/19/11 20:00	10/21/11 13:32	
-Propylbenzene	ND	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	s. 1
tyrene ,1,1,2-Tetrachloroethane	ŇD	4.1	ug/Kg	10/19/11 20:00	10/21/11 13:32	1

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Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38223-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXS-1-9 Date Collected: 10/19/11 09:10 Date Received: 10/19/11 17:55

Lab Sample ID: 720-38223-1 Matrix: Solid

3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.1		ug/Kg	—	10/19/11 20:00	10/21/11 13:32	
Tetrachloroethene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
Toluene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
1,2,3-Trichlorobenzene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,2,4-Trichlorobenzene	ND		4.1	•	ug/Kg		10/19/11 20:00	10/21/11 13:32	
,1,1-Trichloroethane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,1,2-Trichloroethane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
richloroethene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
richlorofluoromethane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,2,3-Trichloropropane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,2,4-Trimethylbenzene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
,3,5-Trimethylbenzene	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
/inyl acetate	ND		41		ug/Kg		10/19/11 20:00	10/21/11 13:32	
'inyl chloride	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
ylenes, Total	ND		8.3		ug/Kg		10/19/11 20:00	10/21/11 13:32	
2,2-Dichloropropane	ND		4.1		ug/Kg		10/19/11 20:00	10/21/11 13:32	
Gasoline Range Organics (GRO)	ND		210		ug/Kg		10/19/11 20:00	10/21/11 13:32	
C5-C12									2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

4-Bromofluorobenzene	. 97	45 - 131	10/19/11 20:00	10/21/11 13:32	1	
4-Bromofluorobenzene	95	66 - 148	10/22/11 20:33	10/25/11 06:08	100	
1,2-Dichloroethane-d4 (Surr)	97	60 - 140	10/19/11 20:00	10/21/11 13:32	1	
1,2-Dichloroethane-d4 (Surr)	95	62 - 137	 10/22/11 20:33	10/25/11 06:08	100	
Toluene-d8 (Surr)	100	58 - 140	 10/19/11 20:00	10/21/11 13:32	1	
Toluene-d8 (Surr)	96	65 - 141	10/22/11 20:33	10/25/11 06:08	100	

Result Qualifier

ND

ND

ND

Client Sample ID: SUMP-EXS-2-8 Date Collected: 10/19/11 12:40 Date Received: 10/19/11 17:55

Analyte

Acetone

Benzene

Methyl tert-butyl ether

Lab Sample ID: 720-38223-2 Matrix: Solid

Analyzed Dil Fac RL MDL Unit D Prepared 4.9 ug/Kg 10/19/11 20:00 10/21/11 14:06 1 49 ug/Kg 10/19/11 20:00 10/21/11 14:06 10/19/11 20:00 10/21/11 14:06 4.9 ug/Kg ua/Ka 10/19/11 20:00 10/21/11 14:06

Defizitio				
Dichlorobromomethane	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Bromobenzene	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Chlorobromomethane	ND	20	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Bromoform	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Bromomethane	ŊD	9.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
2-Butanone (MEK)	ND	49	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
n-Butylbenzene	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
sec-Butylbenzene	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
tert-Butylbenzene	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Carbon disulfide	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Carbon tetrachloride	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Chlorobenzene	1600	440	ug/Kg	10/22/11 20:33 10/25/11 06:36 100
Chloroethane	ND set of the set	9.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1
Chloroform	ND	4.9	ug/Kg	10/19/11 20:00 10/21/11 14:06 1

TestAmerica San Francisco 11/02/2011

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Client Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Lab Sample ID: 720-38223-2

Matrix: Solid

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXS-2-8 Date Collected: 10/19/11 12:40 Date Received: 10/19/11 17:55

Analyte	Result Qualifier	RL	MDL. Unit	D Prepared	Analyzed	Dil Fac
Chloromethane	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
2-Chlorotoluene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
4-Chlorotoluene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Chlorodibromomethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,2-Dichlorobenzene	2700	440	ug/Kg	10/22/11 20:33	10/25/11 06:36	100
1,3-Dichlorobenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,4-Dichlorobenzene	44	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	· · 1
1,3-Dichloropropane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,1-Dichloropropene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,2-Dibromo-3-Chloropropane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Ethylene Dibromide	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Dibromomethane	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Dichlorodifluoromethane	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	. 1
1,1-Dichloroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	
1,2-Dichloroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	· · 1
1,1-Dichloroethene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
cis-1,2-Dichloroethene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
trans-1,2-Dichloroethene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	
1,2-Dichloropropane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
cis-1,3-Dichloropropene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	· · · · · · · · · · · · · · · · · · ·
trans-1,3-Dichloropropene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Ethylbenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	!
Hexachlorobutadiene					10/21/11 14:06	
	ND	4.9	ug/Kg	10/19/11 20:00		1
2-Hexanone	ND	49	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
sopropylbenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	· · · · · · · · .
4-Isopropyltoluene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Methylene Chloride	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
4-Methyl-2-pentanone (MIBK)	ND	49	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Naphthalene	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
N-Propylbenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Styrene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,1,1,2-Tetrachloroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,1,2,2-Tetrachloroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Tetrachloroethene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Toluene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1 1
1,2,3-Trichlorobenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,2,4-Trichlorobenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
1,1,1-Trichloroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
I,1,2-Trichloroethane	ND	4,9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Trichloroethene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	· 1
Frichlorofluoromethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	. 1
I,2,3-Trichloropropane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
I,2,4-Trimethylbenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
,3,5-Trimethylbenzene	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
/inyl acetate	ND	49	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
/inyl chloride	ND	4,9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
Kylenes, Total	ND	9.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1
2,2-Dichloropropane	ND	4.9	ug/Kg	10/19/11 20:00	10/21/11 14:06	1

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Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXS-2-8 Date Collected: 10/19/11 12:40

Date Received: 10/19/11 17:55

Lab Sample ID: 720-38223-2 Matrix: Solid

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		250	· · · · ·	ug/Kg	<u> </u>	10/19/11 20:00	10/21/11 14:06	1
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		45 - 131				10/19/11 20:00	10/21/11 14:06	1
4-Bromofluorobenzene	93		66 - 148				10/22/11 20:33	10/25/11 06:36	100
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				10/19/11 20:00	10/21/11 14:06	1
1,2-Dichloroethane-d4 (Surr)	95		62 - 137	• • • • • • • • •			10/22/11 20:33	10/25/11 06:36	100
Toluene-d8 (Sun)	99		58 - 140				10/19/11 20:00	10/21/11 14:06	1
Toluene-d8 (Surr)	96		65 - 141				10/22/11 20:33	10/25/11 06:36	100
				· ·					

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Lab Sample ID: 720-38223-1

Matrix: Solid

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Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: SUMP-EXS-1-9 Date Collected: 10/19/11 09:10

Date Received: 10/19/11 17:55

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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99	mg/Kg		10/26/11 16:04	10/27/11 03:01	
Motor Oil Range Organics [C24-C36]	ND		50	mg/Kg		10/26/11 16:04	10/27/11 03:01	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.09		0-1			10/26/11 16:04	10/27/11 03:01	
p-Terphenyl	99		38 - 148			10/26/11 16:04	10/27/11 03:01	
Client Sample ID: SUMP-EXS-2-8						Lab S	Sample ID: 720-	38223-2
Date Collected: 10/19/11 12:40							Matri	ix: Solic
Date Received: 10/19/11 17:55								
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0	mg/Kg		10/26/11 16:04	10/27/11 03:25	1
Motor Oil Range Organics [C24-C36]	ND		50	mg/Kg		10/26/11 16:04	10/27/11 03:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01		0_1			10/26/11 16:04	10/27/11 03:25	1
p-Terphenyl	98		38 - 148			10/26/11 16:04	10/27/11 03:25	1

TestAmerica Job ID: 720-38223-1

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-101388/1-A Matrix: Solid					Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 101362	MB	МВ				Prep Batch:	10130
Analyte		Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fa
Methyl tert-butyl ether	ND		5.0	ug/Kg	10/21/1.1 10:18	10/21/11 10:40	
Acetone	ND	na Natari ing	50	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Benzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Dichlorobromomethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	••••••
Bromobenzene	ND		5.0	ug/Kg	. 10/21/11 10:18	10/21/11 10:40	
Chlorobromomethane	ND		20	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Bromoform	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	* * * * * * * *
Bromomethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
2-Butanone (MEK)	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40	
n-Butylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
sec-Butylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
ert-Butylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
er-Butylbenzene Carbon disulfide	ND	Signer.	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Carbon tetrachloride	ND		5.0		10/21/11 10:18	10/21/11 10:40	
				ug/Kg			
Chlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Chloroethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Chloroform	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Chloromethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
-Chlorotoluene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
-Chlorotoluene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
chlorodibromomethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,2-Dichlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,3-Dichlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,4-Dichlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,3-Dichloropropane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,1-Dichloropropene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,2-Dibromo-3-Chloropropane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Ethylene Dibromide	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Dibromomethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
Dichlorodifluoromethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,1-Dichloroethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,2-Dichloroethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,1-Dichloroethene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
is-1,2-Dichloroethene	ND	•••••	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
rans-1,2-Dichloroethene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,2-Dichloropropane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
is-1,3-Dichloropropene	ND	••••••	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	• • • • • • • •
ans-1,3-Dichloropropene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
thylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
lexachlorobutadiene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	* • • • • • •
-Hexanone	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40	
sopropylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
-lsopropyltoluene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
lethylene Chloride	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
-Methyl-2-pentanone (MIBK)	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40	
aphthalene	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	
-Propylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
tyrene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	
,1,1,2-Tetrachloroethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	••••••

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38223-1

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Method: 8260B/CA LUFTMS - 8260B / CA LUFT MS (Continued)

ab Sample ID: MB 720-101388/1-A	· ·			· .			Client S	Sample ID: Metho	od Blar
latrix: Solid								Prep Type:	Total/N
nalysis Batch: 101362			· · · · · · ·					Prep Batch	: 10138
	MB	MB				s. "			
nalyte	Result	Qualifier	RL	M	DL Unit	S. 200	D Prepared	Analyzed	Dil F
1,2,2-Tetrachloroethane	ND		5.0	• * • .	ug/Kg	· · · · · ·	10/21/11 10:18	3 10/21/11 10:40	
etrachloroethene	ND		5.0		ug/Kg		10/21/11 10:18	3 10/21/11 10:40	
bluene	ND		5.0		ug/Kg	••••••	10/21/11 10:18	3 10/21/11 10:40	(*************************************
2,3-Trichlorobenzene	ND		5.0		ug/Kg	÷	10/21/11 10:18		
2,4-Trichlorobenzene	ND		5.0		ug/Kg		10/21/11 10:18		
1,1-Trichloroethane	ND	····	5.0		ug/Kg		10/21/11 10:18		
1.2-Trichloroethane	ND		5.0		ug/Kg		10/21/11 10:18		
ichloroethene	ND	· · ·	5.0		ug/Kg		10/21/11 10:18		
ichlorofluoromethane	ND	•••••	5.0		ug/Kg	• • • • • • • •	10/21/11 10:18		•••••
2,3-Trichloropropane	ND		5.0		ug/Kg			· · · · · · · · · · · · · · · · · · ·	
							10/21/11 10:18		
I,2-Trichloro-1,2,2-trifluoroethane	ND		5,0		ug/Kg	····	10/21/11 10:18		
2,4-Trimethylbenzene	ND		5.0		ug/Kg		10/21/11 10:18		
3,5-Trimethylbenzene	ND		5.0		ug/Kg		10/21/11 10:18		
ıyl acetate	ND		50		ug/Kg		10/21/11 10:18		
nyl chloride	, ND		5.0		ug/Kg		10/21/11 10:18		· •
lenes, Total	ND	· .	9.9		ug/Kg		10/21/11 10:18		
2-Dichloropropane	ND		5.0		ug/Kg		10/21/11 10:18	3 10/21/11 10:40	
isoline Range Organics (GRO) 5-C12	ND	•	250		ug/Kg	este en	10/21/11 10:18	3 10/21/11 10:40	
and the second	MB	MB							
rrogate	% Recovery	Qualifier	Limits			- i.	Prepared	Analyzed	Dil F
noguto	Juncouvery	quanner							Dir
Bromofluorohenzene	101	· · ·						_	· · ·
	101		45 - 131				10/21/11 10:18	3 10/21/11 10:40	
2-Dichloroethane-d4 (Surr) luene-d8 (Surr)	101 104 98						10/21/11 10:18 10/21/11 10:18 10/21/11 10:18	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40	Samr
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid	104		45 ₋ 131 60 - 140				10/21/11 10:18 10/21/11 10:18 10/21/11 10:18	3 10/21/11 10:40 3 10/21/11 10:40	Total/N
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid	104		45 ₋ 131 60 - 140	LCS	LCS		10/21/11 10:18 10/21/11 10:18 10/21/11 10:18	 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 ID: Lab Control Prep Type: ¹ 	Total/N
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362	104		45 - 131 60 - 140 58 - 140		LCS Qualifier	Unit	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18	 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 ID: Lab Control Prep Type: Prep Batch 	Total/N
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte	104		45 - 131 60 - 140 58 - 140 Spike			Unit ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample	 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 10/21/11 10:40 ID: Lab Control Prep Type: Prep Batch % Rec. 	Total/I
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 ralyte	104		45 - 131 60 - 140 58 - 140 Spike Added	Result			10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec	 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 	Total/I
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 ralyte ethyl tert-butyl ether etone	104		45 - 131 60 - 140 58 - 140 Spike Added 49.9	Result 51.1		ug/Kg ug/Kg	<u>10/21/11 10:18</u> 10/21/11 10:18 10/21/11 10:18 Client Sample <u>D %Rec</u> 102	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Type: Prep Batch % Rec. Limits 71 - 144	Total/I
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone nzene	104		45 - 131 60 - 140 58 - 140 58 - 140 Spike Added 49.9 250	Result 51.1 303		ug/Kg ug/Kg ug/Kg	<u>10/21/11 10:18</u> 10/21/11 10:18 10/21/11 10:18 Client Sample <u>D %Rec</u> 102 121	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Type: Prep Batch % Rec. Limits 71 - 144 30 - 162 77 - 113 113	Total/I
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone nzene chlorobromomethane	104		45 - 131 60 - 140 58 - 140 58 - 140 Spike Added 49.9 250 49.9 49.9	Result 51.1 303 49.1 48.5		ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 121 98 97	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 71 - 144 30 - 162 77 - 113 86 - 131 10	Total/N
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone nzene chlorobromomethane pomobenzene	104		45 - 131 60 - 140 58 - 140 58 - 140 Spike Added 49.9 250 49.9 49.9 49.9	Result 51.1 303 49.1 48.5 48.1		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample 0 %Rec 102 121 98 97 96	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 71-144 30 - 162 77 - 113 86 - 131 88 - 120	Total/N
2-Dichloroethane-d4 (Surr) Iuene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte ethyl tert-butyl ether etone nzene chlorobromomethane pomobenzene lorobromomethane	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 250 49.9 250 49.9 49.9 49.9 49.9	Result 51.1 303 49.1 48.5 48.1 45.7		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 121 98 97 96 92	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10 71 - 144 30 - 162 77 - 113 86 - 131 88 - 120 81 - 116	Total/N
2-Dichloroethane-d4 (Surr) Iluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte ethyl tert-butyl ether etone nzene chlorobromomethane pomobenzene lorobromomethane pomoform	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9	Result 51.1 303 49.1 48.5 48.1 45.7 52.9		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 121 98 97 96 92 106	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 - 144 30 - 162 113 86 - 131 88 - 120 81 - 116 59 - 158 158 158	Total/N
2-Dichloroethane-d4 (Surr) Iluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte ethyl tert-butyl ether etone nzene chlorobromomethane pomobenzene lorobromomethane pomoform pomorethane	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 121 98 97 96 92 106 100	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 - 144 30 - 162 77 - 113 86 - 131 88 - 120 81 - 116 59 - 158 59 - 132	Total/N
2-Dichloroethane-d4 (Surr) Iluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte ethyl tert-butyl ether etone nzene chlorobromomethane pomobenzene lorobromomethane pomoform pomorethane Butanone (MEK)	104		45 - 131 60 - 140 58 - 140 Spike Added 49.9 250 49.9 49.9 49.9 49.9 60.140 58.140	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 103 104 105 100 118	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 - 144 30 - 162 162 77 - 113 86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 150 150	Total/N
2-Dichloroethane-d4 (Surr) Iluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 halyte ethyl tert-butyl ether etone inzene chlorobromomethane omobenzene ilorobromomethane omoform omomethane Butanone (MEK) Butylbenzene	104		45 - 131 60 - 140 58 - 140 Spike Added 49.9 250 49.9 49.9 49.9 49.9 49.9 50 49.9 250 49.9	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample 0 %Rec 102 121 98 97 96 92 106 100 118	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 D: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 144 30 30 162 77 71 144 30 86 131 86 88 120 81 81 116 59 59 158 59 59 132 61 61 150 80	Total/N
2-Dichloroethane-d4 (Surr) Iluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 alyte thyl tert-butyl ether etone nzene blorobromomethane pmobenzene lorobromomethane pmoform pmomethane Butanone (MEK) Butylbenzene S-Butylbenzene	104		45 - 131 60 - 140 58 - 140 Spike Added 49.9 250 49.9	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 102 102 102 102 102 102 102 102 102 102 102 102 103 106 100 118 109 105	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 144 30 30 162 77 71 144 30 86 131 86 85 131 88 59 158 59 59 132 61 61 150 80 80 142 85 85 136	Total/N
2-Dichloroethane-d4 (Surr) Juene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 style thyl tert-butyl ether etone nzene blorobromomethane probenzene lorobromomethane promothane Butanone (MEK) Sutylbenzene S-Butylbenzene t-Butylbenzene	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10/11 10/21/11 10/11 10/21/11 10:12 10/21/11 10:12 Client Sample 0 D %Rec 102 121 98 97 96 92 106 100 118 109 105 106	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 10/21/11 71 144 30 30 162 77 71 144 30 86 131 86 89 120 81 81 116 59 59 158 59 59 132 61 61 150 80 85 136 71 71 130 71	Total/N
2-Dichloroethane-d4 (Surr) Juene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 talyte thyl tert-butyl ether etone incene chlorobromomethane probenzene lorobromomethane promothane promothane butanone (MEK) Butylbenzene c-Butylbenzene t-Butylbenzene tron disulfide	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 102 102 102 102 102 102 102 102 102 102 102 102 102 103 106 100 118 109 105 106 100	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits Prep Type: 71 - 144 30 - 162 77 - 113 96 - 131 88 - 120 81 - 116 59 - 158 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 9	Total/N
2-Dichloroethane-d4 (Surr) luene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 style thyl tert-butyl ether etone nzene chlorobromomethane probenzene lorobromomethane proform promomethane Sutanone (MEK) Sutylbenzene c-Butylbenzene t-Butylbenzene t-Butylbenzene fron disulfide rbon tetrachloride	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9 50.5		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10:18 10/21/11 10:18 10/21/11 10:18 Client Sample D %Rec 102 121 98 97 96 92 106 100 118 109 105 106 100 101	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 ID: Lab Control Prep Type: Prep Batch % Rec. Limits Prep Type: 71 - 144 30 - 162 77 - 113 86 - 131 88 - 120 81 - 116 59 - 158 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138	Total/N
2-Dichloroethane-d4 (Surr) Juene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone inzene chlorobromomethane probenzene ilorobromomethane promothane Sutanone (MEK) Sutylbenzene c-Butylbenzene t-Butylbenzene tron disulfide rbon tetrachloride lorobenzene	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9 50.5 49.1		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10/11 10/21/11 10/11 10/21/11 10:12 10/21/11 10:12 Client Sample 0 D %Rec 102 121 98 97 96 92 106 100 118 109 105 106 100 101 98 97	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 10/21/11 10:40 9 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 71 71 144 30 162 77 113 86 131 86 131 88 120 81 116 59 158 59 132 61 150 80 142 85 136 71 130 60 138 81 138 82 114	Total/N
2-Dichloroethane-d4 (Surr) Juene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone inzene chlorobromomethane probenzene ilorobromomethane promomethane Sutanone (MEK) Sutylbenzene t-Butylbenzene t-Butylbenzene t-Butylbenzene irbon disulfide rbon tetrachloride lorobenzene loroethane	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9 50.5 49.1 49.3		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10/11 10/21/11 10/11 10/21/11 10:12 10/21/11 10:12 Client Sample 0 D %Rec 102 121 98 97 96 92 106 100 118 109 105 106 100 118 98 99	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 10/21/11 10:40 9 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 71 71 144 30 162 77 113 86 131 86 131 88 120 81 116 59 158 59 132 61 150 80 142 85 136 71 130 60 138 81 138 82 114 65 126 126	Total/N
2-Dichloroethane-d4 (Surr) Juene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 thyl tert-butyl ether etone inzene chlorobromomethane probenzene ilorobromomethane promomethane Sutanone (MEK) Sutylbenzene t-Butylbenzene t-Butylbenzene t-Butylbenzene irbon disulfide rbon tetrachloride lorobenzene loroethane loroethane loroethane loroethane loroethane	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9 50.5 49.1 49.3 47.1		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10/11 10/21/11 10/11 10/21/11 10:12 10/21/11 10:12 Client Sample 0 0 %Rec 102 121 98 97 96 92 106 100 118 109 105 106 100 118 98 97 90 94	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 10/21/11 10:40 9 ID: Lab Control Prep Type: T Prep Batch % Rec. Limits 10/21/11 71 144 30 30 162 77 77 113 86 86 131 88 81 120 81 81 116 59 59 132 61 61 150 80 80 142 85 85 136 71 71 130 60 60 136 81 81 138 82 82 114 65 65 126 77	Total/N
Bromofluorobenzene 2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) ab Sample ID: LCS 720-101388/2-A atrix: Solid nalysis Batch: 101362 nalyte ethyl tert-butyl ether setone enzene chlorobromomethane omobenzene norobromomethane omoform omomethane Butanone (MEK) Butylbenzene c-Butylbenzene c-Butylbenzene t-Butylbenzene ilorobenzene ilorobenzene ilorobenzene iloroethane iloroform iloroform iloroform iloromethane	104		45 - 131 60 - 140 58 - 140 58 - 140 58 - 140 58 - 140 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 250 49.9 49.9 49.9 49.9 49.9 49.9 49.9 49.	Result 51.1 303 49.1 48.5 48.1 45.7 52.9 49.7 295 54.5 52.3 52.9 49.9 50.5 49.1 49.3		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	10/21/11 10/11 10/21/11 10/11 10/21/11 10:12 10/21/11 10:12 Client Sample 0 D %Rec 102 121 98 97 96 92 106 100 118 109 105 106 100 118 98 99	3 10/21/11 10:40 3 10/21/11 10:40 3 10/21/11 10:40 4 10/21/11 10:40 5 10/21/11 10:40 6 10/21/11 10:40 9 ID: Lab Control Prep Type: Prep Batch % Rec. Limits 71 71 144 30 162 77 113 86 131 86 131 88 120 81 116 59 158 59 132 61 150 80 142 85 136 71 130 60 138 81 138 82 114 65 126 126	Total/N

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38223-1

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101388/2-A					Client Sample I	D: Lab Control Samp
Matrix: Solid			,			Prep Type: Total/N
Analysis Batch: 101362						Prep Batch: 10138
	Spike	LCS	LCS			% Rec.
Analyte	Added		<u> </u>	Init	D %Rec	Limits
Chlorodibromomethane	49.9	48.9	u	ig/Kg	98	75 - 146
,2-Dichlorobenzene	49.9	46.9	, u	ig/Kg	94	84 - 130
,3-Dichlorobenzene	49.9	48.1	· u	g/Kg	96	84 - 131
I,4-Dichlorobenzene	49.9	48.1		g/Kg	96	85 - 125
I,3-Dichloropropane	49.9	49.5	ʻu	g/Kg	99	79 - 140
,1-Dichloropropene	49.9	52.7	. u	g/Kg	106	70 - 130
,2-Dibromo-3-Chloropropane	49.9	55.5	u	g/Kg	111	68 - 145
Ethylene Dibromide	49.9	49.9		g/Kg	100	79 - 140
Dibromomethane	49.9	47.7	u	g/Kg	96	80 - 139
Dichlorodifluoromethane	49.9	53.3	u	g/Kg	107	37 - 158
,1-Dichloroethane	49.9	48.7	u	g/Kg	98	76 - 119
,2-Dichloroethane	49.9	48.5	, u	g/Kg	97	72 - 130
,1-Dichloroethene	49.9	47.5	u	g/Kg	95	68 - 119
is-1,2-Dichloroethene	49.9	49.3	u	g/Kg	99	87 - 138
rans-1,2-Dichloroethene	49.9	47.5	u	g/Kg	95	67 - 108
,2-Dichloropropane	49.9	48.1	u	g/Kg	96	73 - 127
sis-1,3-Dichloropropene	49.9	51.5	u	g/Kg	103	68 - 147
rans-1,3-Dichloropropene	49.9	52.7	u	g/Kġ	106	84 - 136
Ethylbenzene	49.9	50.9	, ^r u	g/Kg	102	80 - 137
lexachlorobutadiene	49.9	47.1	u	g/Kg	94	72 - 132
2-Hexanone	250	309	u	g/Kg	124	60 - 161
sopropylbenzene	49.9	53.1	. u	g/Kg	106	88 - 128
-Isopropyltoluene	49.9	51.9	u	g/Kg	104	85 - 133
flethylene Chloride	49.9	47.1	· u	g/Kg	94	72 - 134
-Methyl-2-pentanone (MIBK)	250	301	u	g/Kg	121	69 - 160
Japhthalene	49.9	54.3	u	g/Kg	109	70 - 147
N-Propylbenzene	49.9	54.3	u	g/Kg	109	72 - 125
Styrene	49.9	54.3	u	g/Kg	109	89 - 126
I,1,1,2-Tetrachloroethane	49.9	48.9	u	g/Kg	98	90 - 130
I,1,2,2-Tetrachloroethane	49.9	53.5	. u	g/Kg	107	82 - 146
Fetrachloroethene	49.9	48.1	. u	g/Kg	96	78 - 132
Foluene	49.9	50.1	u	g/Kg	100	80 - 114
I,2,3-Trichlorobenzene	49.9	47.3	. u	g/Kg	95	82 - 135
1,2,4-Trichlorobenzene	49.9	50.5		g/Kg	101	70 - 131
,1,1-Trichloroethane	49.9	49.3	u	g/Kg	99	80 - 127
,1,2-Trichloroethane	49.9	49.1	u	g/Kg	98	82 - 125
richloroethene	49.9	48.3	u	g/Kg	97	81 - 133
Trichlorofluoromethane	49.9	49.7	u	g/Kg	100	71 - 139
,2,3-Trichloropropane	49.9	52.5	u	g/Kg	105	76 - 146
,1,2-Trichloro-1,2,2-trifluoroetha	49.9	48.5	u	g/Kg	97	70 - 130
e		· · · · · ·		* 1 2 * *		
,2,4-Trimethylbenzene	49.9	53.5		g/Kg	107	84 - 130
,3,5-Trimethylbenzene	49.9	53.7		g/Kg	108	82 - 131
ïnyl acetate	49.9	61.7		g/Kg	124	38 - 176
'inyl chloride	49.9	50,1		g/Kg	100	58 - 125
n-Xylene & p-Xylene	99.8	104		g/Kg	104	79 - 146
-Xylene	49.9	52.1	u	g/Kg	104	84 - 140
2,2-Dichloropropane	49.9	59.9	u	g/Kg	120	73 - 162

Page 13 of 25

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

7

_ab Sample ID: LCS 720-101	388/2-A					(Client Sample I	D: Lab Co	ntrol S	amp
Matrix: Solid		•						Prep Ty		
nalysis Batch: 101362									atch: 1	
		1.00								
		LCS	A	· •						
urrogate -Bromofluorobenzene	% Recovery 105	Qualifier	Limits		•					
	99		45 - 131 60 - 140							
2-Dichloroethane-d4 (Surr) oluene-d8 (Surr)	99 101		58 - 140						÷.,	
Suene-de (Sum)	101		58 - 140							
ab Sample ID: LCS 720-101	388/1-0			1			Client Sample I	D. Lah Co	ntrol S	amn
atrix: Solid	300/ 1 -A						Shent Gample i	Prep Ty		
nalysis Batch: 101362							-	Prep B	7	
			Spike	LCS	LCS			% Rec.		010
alyte	J		Added		Qualifier	Unit	D %Rec	Limits		
soline Range Organics (GRO)	·	,	994	836		ug/Kg		61 - 128	<u> </u>	
5-C12										
	1.00	LCS								
rranata			l imite							
rrogate	% Recovery	Qualifier	Limits				· · ·			
Bromofluorobenzene	107		45 - 131							
-Dichloroethane-d4 (Surr)	103		60 - 140	•						i e i
uene-d8 (Surr)	102		58 - 140		· · ·			,		
b Sample ID: LCSD 720-10	1388/3-4					Clion	t Sample ID: La	ah Control	Sampl	
atrix: Solid	1300/J-A				1	Glien	t Sample ID. La	Prep Ty		
			· ·							
alysis Batch: 101362			Spike	LCSD	LCSD			Prep B	atch: 1	
alyte			Spike		Qualifier	Unit	D %Rec	% Rec.	BDD	R
thyl tert-butyl ether		<u> </u>	Added 49,6	51.0	quamer	Unit ug/Kg	D %Rec 103	Limits 71 - 144	RPD 0	Li
itone			49.0 248	244		ug/Kg	98	30 - 162	.22	
nzene			49.6	49.8		ug/Kg ug/Kg	100	30 - 182 77 - 113	1	
hlorobromomethane			49.6	49.6		ug/Kg	100	86 - 131	2	
mobenzene			49.6	49.8					4	
orobromomethane		1. A.	49.6 49.6			ug/Kg	98	88 - 120	1	
				46.2		ug/Kg	93	81 - 116		
moform			49,6	49.8		ug/Kg	100	59 - 158	6	
omomethane			49,6	49.8		ug/Kg	100	59 - 132	0	÷.,
Butanone (MEK)			248	246	· · · · · · · · · · · ·	ug/Kg	99	61 - 150	18	
Butylbenzene			49.6	53.4		ug/Kg	108	80 - 142	2	
-Butylbenzene			49.6	51.6		ug/Kg	104	85 - 136	1	
-Butylbenzene			49.6	52.6		ug/Kg	106	71 - 130		
rbon disulfide			49.6	48.8		ug/Kg	98	60 - 136	2	
				50 0	-	ug/Kg	101	81 - 138	1	
			49.6	50.0						
orobenzene	· · · · · · · · · · · · · · · · · · ·		49.6	49.2	5	ug/Kg	99	82 - 114	0	
orobenzene oroethane	· · · · · · · · · · · · · · · · · · ·		49.6 49.6	49.2 49.0	1. • • • • • • • • • • •	ug/Kg ug/Kg	99 99	65 - 126	U 1	
orobenzene oroethane oroform	· · · · · · · · · · · · · · · · · · ·		49.6 49.6 49.6	49.2 49.0 48.0	1	ug/Kg ug/Kg ug/Kg	99 99 97	65 - 126 77 - 127		
orobenzene oroethane oroform oromethane			49.6 49.6	49.2 49.0 48.0 51.2		ug/Kg ug/Kg	99 99	65 - 126	1	
orobenzene oroethane oroform oromethane	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2	· · · · · · · · · · · · · · · · · · ·	ug/Kg ug/Kg ug/Kg	99 99 97	65 - 126 77 - 127	1 2	
orobenzene oroethane oroform oromethane hlorotoluene	· · · · · · · · · · · · · · · · · · ·		49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2		ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103	65 - 126 77 - 127 60 - 149	1 2 0	
orobenzene oroethane oroform oromethane hlorotoluene hlorotoluene	· · · · · · · · · · · · · · · · · · ·		49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103	65 - 126 77 - 127 60 - 149 80 - 138	1 2 0 1	· · · · · · · · · · · · · · · · · · ·
orobenzene oroethane oroform oromethane hlorotoluene hlorotoluene orodibromomethane	· · · · · · · · · · · · · · · · · · ·		49.6 49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2 51.8		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103 104	65 - 126 77 - 127 60 - 149 80 - 138 79 - 136	1 2 0 1 1	
orobenzene oroethane oroform oromethane hlorotoluene hlorotoluene orodibromomethane Dichlorobenzene			49.6 49.6 49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2 51.8 49.4		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103 104 100	65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146	1 2 0 1 1 1	
orobenzene oroethane oroform oromethane hlorotoluene orodibromomethane Dichlorobenzene Dichlorobenzene			49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2 51.8 49.4 47.2		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103 104 100 95	65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 84 - 130	1 2 0 1 1 1	
orobenzene oroefhane oroform oromethane hlorotoluene chlorotoluene orodibromomethane -Dichlorobenzene -Dichlorobenzene -Dichlorobenzene			49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2 51.8 49.4 47.2 48.6		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103 104 100 95 98	65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 84 - 130 84 - 131	1 2 0 1 1 1 1 1 1	
Irbon tetrachloride Ilorobenzene Iloroethane Iloroform Iloromethane Chlorotoluene Chlorotoluene Ilorodibromomethane I-Dichlorobenzene I-Dichlorobenzene I-Dichlorobenzene I-Dichloropopane I-Dichloropropane			49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	49.2 49.0 48.0 51.2 51.2 51.8 49.4 47.2 48.6 47.6		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	99 99 97 103 103 104 100 95 98 96	65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 84 - 130 84 - 131 85 - 125	1 2 0 1 1 1 1 1 1	

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

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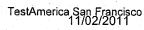
Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

ab Sample ID: LCSD 720-101388/3-A			Client	Sample ID: La		
/atrix: Solid						pe: Total/
Analysis Batch: 101362						atch: 101:
	Spike	LCSD LCSD			% Rec.	, i
nalyte	Added	Result Qualifie	er Unit	D %Rec	Limits	
thylene Dibromide	49.6	48.2	ug/Kg	97	79 - 140	3
libromomethane	49.6	47.4	ug/Kg	96	80 - 139	1
Dichlorodifluoromethane	49.6	52.6	ug/Kg	106	37 _ 158	1
,1-Dichloroethane	49.6	49.4	ug/Kg	100	76 - 119	1
,2-Dichloroethane	49.6	48.8	ug/Kg	98	72 - 130	1
,1-Dichloroethene	49.6	47.4	ug/Kg	96	68 - 119	0
is-1,2-Dichloroethene	49.6	50.2	ug/Kg	101	87 - 138	2
ans-1,2-Dichloroethene	49.6	47.6	ug/Kg	96	67 - 108	0
,2-Dichloropropane	49.6	50.0	ug/Kg	101	73 - 127	4
is-1,3-Dichloropropene	49.6	52.4	ug/Kg	106	68 - 147	2
ans-1,3-Dichloropropene	49.6	53.0	ug/Kg	107	84 - 136	1
thylbenzene	49.6	50.6	ug/Kg	102	80 - 137	1
lexachlorobutadiene	49.6	47.0	ug/Kg	95	72 - 132	, O
-Hexanone	248	260	ug/Kg	105	60 - 161	17
sopropylbenzene	49.6	53.2	ug/Kg	107	88 - 128	0
-Isopropyltoluene	49.6	51.6	ug/Kg	104	85 - 133	····· 1
/iethylene Chloride	49.6	48.2	ug/Kg	97	72 - 134	2
-Methyl-2-pentanone (MIBK)	248	262	ug/Kg	105	69 - 160	14
laphthalene	49.6	50.4	ug/Kg	102	70 - 147	7
I-Propylbenzene	49.6	53.4	ug/Kg	108	72 - 125	2
Styrene	49.6	54.6	ug/Kg	110	89 - 126	. 0
,1,1,2-Tetrachloroethane	49.6	49.4	ug/Kg	100	90 - 130	1.
,1,2,2-Tetrachloroethane	49.6	48.0	ug/Kg	97	82 - 146	11
	49.6	48.0	ug/Kg	97	78 - 132	. 0
etrachloroethene	49.6	50.2	ug/Kg	101	80 - 114	0
	49.6	50.2 47.4	ug/Kg ug/Kg	96	82 - 135	0
,2,3-Trichlorobenzene	49.6	50.8	ug/Kg	102	70 - 131	1
,2,4-Trichlorobenzene				102	80 - 127	
,1,1-Trichloroethane	49.6	49.4	ug/Kg	97	82 - 125	2
,1,2-Trichloroethane	49.6	48.2	ug/Kg			2
richloroethene	49.6	48.4	ug/Kg	98	81 - 133	
richlorofluoromethane	49.6	49.2	ug/Kg	99	71 - 139	1
,2,3-Trichloropropane	49.6	46.6	ug/Kg	94	76 - 146 70 - 120	12
,1,2-Trichloro-1,2,2-trifluoroetha	49.6	48.2	ug/Kg	97	70 - 130	1
	10 G	54.0	ug/Kg	109	84 - 130	·····
,2,4-Trimethylbenzene	49.6			109	82 - 131	0
,3,5-Trimethylbenzene	49.6	53.8	ug/Kg	118	38 - 176	6
/inyl acetate	49.6	58.3	ug/Kg	97	58 - 176	4
(inyl chloride	49.6	48.2	ug/Kg			4
n-Xylene & p-Xylene	99.2	104	ug/Kg	105	79 - 146	
-Xylene	49.6	52.2	ug/Kg	105	84 - 140	0
,2-Dichloropropane	49.6	55.8	ug/Kg	112	73 - 162	a a Cara
LCSD LCSD			1.11.11.15	2000		n de forte se se
Surrogate % Recovery Qualifi	ier Limits					
I-Bromofluorobenzene 106	45 - 131					
I,2-Dichloroethane-d4 (Surr) 99	60 - 140					
Foluene-dB (Surr) 103	58 - 140			a ta sa		

TestAmerica Job ID: 720-38223-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

	88/5-A				• • • •	Clien	t Sample ID: La	ab Control Sar	nple Dup
Matrix: Solid								Prep Type:	Total/NA
Analysis Batch: 101362							1	Prep Batcl	n: 10138
		· · · · ·	Spike	LCSD	LCSD			% Rec.	RPD
Analyte			Added	Result	Qualifier	Unit	D %Rec	Limits RF	
Gasoline Range Organics (GRO)		· · · · · · · ·	998	853	· .	ug/Kg	85	61 - 128	2 20
C5-C12									
	LCSD	LCSD							
Surrogate	% Recovery	Qualifier	Limits						
1-Bromofluorobenzene	105	<u> </u>	45 - 131						
1,2-Dichloroethane-d4 (Surr)	103		60 - 140			• •			
Toluene-d8 (Surr)	102		58 - 140						
_ab Sample ID: MB 720-101575	/1-A						Client Sa	mple ID: Meth	od Blanl
Matrix: Solid						1	A	Prep Type:	Total/N/
Analysis Batch: 101542								Prep Batch	n: 10157
		MB MB							
Analyte	R	esult Qualifier		· · · · · · · · · · · · · · · · · · ·	IDL Unit	<u> </u>	Prepared	Analyzed	Dil Fa
Chlorobenzene		ND		500	ug/Kg		10/22/11 20:33	10/25/11 02:38	10
,2-Dichlorobenzene		ND		500	ug/Kg		10/22/11 20:33	10/25/11 02:38	10
		MB MB		-		· · ·			
Surrogate	% Rec		- Limits		· · · .		Prepared	Analyzed	Dil Fa
-Bromofluorobenzene		97				1997 - 1997 - 1997 1997 -	10/22/11 20:33	10/25/11 02:38	10
,2-Dichloroethane-d4 (Surr)		80	62 - 13				10/22/11 20:33	10/25/11 02:38	10
Foluene-d8 (Surr)		98	65 - 14				10/22/11 20:33	10/25/11 02:38	10
latrix: Solid Inalysis Batch: 101542					•	. *		Prep Type: Prep Batch	
			Spike	LCS	LCS			% Rec.	
nalyte	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	·	Added		Qualifier	Unit	D %Rec	Limits	
Chlorobenzene		• •	5000	5100		ug/Kg	102	81 - 128	
,2-Dichlorobenzene			5000	5160		ug/Kg	103	67 - 126	
	LCS	LCS							
urrogate	LCS % Recovery		Limits						
urrogate -Bromofluorobenzene			Limits 66 - 148						
	% Recovery		·			 			
-Bromofluorobenzene	% Recovery 94		66 - 148						
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr)	% Recovery 94 76 99		66 - 148 62 - 137						
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) ioluene-d8 (Surr) ab Sample ID: LCSD 720-1015	% Recovery 94 76 99		66 - 148 62 - 137			Client	Sample ID: La		
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 latrix: Solid	% Recovery 94 76 99		66 - 148 62 - 137			Client	Sample ID: La	Prep Type:	Total/NA
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) ioluene-d8 (Surr) ab Sample ID: LCSD 720-1015	% Recovery 94 76 99		66 - 148 62 - 137 65 - 141			Client	Sample ID: La	Prep Type: Prep Batch	Total/NA : 101575
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 flatrix: Solid .nalysis Batch: 101542	% Recovery 94 76 99		66 - 148 62 - 137 65 - 141 Spike		LCSD			Prep Type: Prep Batch % Rec.	Total/NA : 101575 RPC
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) ab Sample ID: LCSD 720-1015 latrix: Solid nalysis Batch: 101542 nalyte	% Recovery 94 76 99		66 - 148 62 - 137 65 - 141 Spike Added	Result	LCSD Qualifier	Unit	D_%Rec	Prep Type: Prep Batch % Rec. Limits RP	Total/NA : 10157 RPC D Limi
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 flatrix: Solid .nalysis Batch: 101542 nalyte hlorobenzene	% Recovery 94 76 99		66 - 148 62 - 137 65 - 141 Spike Added 5000	Result 5140		Unit ug/Kg	<u>D%Rec</u> 103	Prep Type: Prep Batch % Rec. Limits RP 81 - 128	Total/NA : 101575 RPC D Limi 1 20
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 Matrix: Solid .nalysis Batch: 101542 nalyte	% Recovery 94 76 99		66 - 148 62 - 137 65 - 141 Spike Added	Result		Unit	D_%Rec	Prep Type: Prep Batch % Rec. Limits RP 81 - 128	Total/NA : 10157 RPI D Limi 1 20
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 flatrix: Solid .nalysis Batch: 101542 nalyte hlorobenzene	% Recovery 94 76 99 75/3-A		66 - 148 62 - 137 65 - 141 Spike Added 5000	Result 5140		Unit ug/Kg	<u>D%Rec</u> 103	Prep Type: Prep Batch % Rec. Limits RP 81 - 128	Total/NA : 101575 RPC D Limi 1 20
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 flatrix: Solid .nalysis Batch: 101542 nalyte hlorobenzene	% Recovery 94 76 99 75/3-A	Qualifier	66 - 148 62 - 137 65 - 141 Spike Added 5000	Result 5140		Unit ug/Kg	<u>D%Rec</u> 103	Prep Type: Prep Batch % Rec. Limits RP 81 - 128	Total/NA : 101575 RPC D Limi 1 20
-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) .ab Sample ID: LCSD 720-1015 flatrix: Solid .nalysis Batch: 101542 nalyte hlorobenzene ,2-Dichlorobenzene	% Recovery 94 76 99 75/3-A	Qualifier	66 - 148 62 - 137 65 - 141 Spike Added 5000 5000	Result 5140		Unit ug/Kg	<u>D%Rec</u> 103	Prep Type: Prep Batch % Rec. Limits RP 81 - 128	Total/NA : 101575 RPC D Limit 1 20



TestAmerica Job ID: 720-38223-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-101720/	I-A	1.							Client Sa	mple ID: M	ethod	Blan
Matrix: Solid		1.1					· .	÷	Prep Ty	ype: Silica	Gel Cl	eanu
Analysis Batch: 101766	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -									Prep Ba		
		MB N	ЙВ	1997 - A.								
Analyte	Re	sult C	Qualifier	RL	M	DL. Unit		D PI	repared	Analyze	d	Dil Fa
Diesel Range Organics [C10-C28]		ND	1.1	0.99		mg/Kg		10/2	6/11 13:20	10/27/11 10):22	· · · ·
Motor Oil Range Organics [C24-C36]		ND		50		mg/Kg		10/2	6/11 13:20	10/27/11 10):22	- 1
		MB N	AB									•
Surrogate	% Reco		ualifier	Limits					repared	Analyze	d	Dil Fa
Surrogate Capric Acid (Surr)	% Reco		uanner	0_1					6/11 13:20	10/27/11 10		Diffe
		90		38.148					6/11 13:20	10/27/11 10		
p-Terphenyl		90		30 - 140				10/2	0/11 13.20	10/2//11 10	1.22	
_ab Sample ID: LCS 720-101720	1 2 _A							Client	Sample	ID: Lab Coi	ntrol S	amn
Matrix: Solid	2-m			· .				onem		ype: Silica		
Analysis Batch: 101766		÷.,							, ricp ij	Prep B		
Analysis Daten. 101700		•		Spike	LCS	LCS				% Rec.		
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics	<u> </u>		·	82.4	58.4		mg/Kg		71	50.150	<u></u>	
C10-C28]	- e											
	LCS	100			5 - C			•				1
Surrogate	% Recovery		iar I	imits								
D-Terphenyl	91	Quann		8 - 148								
- reipinenyi	51			0-140								
ab Sample ID: LCSD 720-10172	0/3-A		• *				Clie	nt Sam	ple ID: L	ab Control	Samp	le Di
Aatrix: Solid										ype: Silica		
Analysis Batch: 101766						· .				Prep B		
				Spike	LCSD	LCSD				% Rec.		RF
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lin
Diesel Range Organics		,	·	82.4	56.0		mg/Kg		68	50 - 150	4	
C10-C28]	. *			an a								
	LCSD	LCSD										
Surrogate	% Recovery		ier I	imits								
					-							

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

No.

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GC/MS VOA	

Analysis Batch: 101362						
Lab Sample ID	Client Sample ID		Ргер Туре	Matrix	Method	Prep Batch
720-38223-1	SUMP-EXS-1-9		Total/NA	Solid	8260B/CA_LUFT MS	101388
720-38223-2	SUMP-EXS-2-8		Total/NA	Solid	8260B/CA_LUFT MS	101388
LCS 720-101388/2-A	Lab Control Sample		Total/NA	Solid	8260B/CA_LUFT MS	101388
LCS 720-101388/4-A	Lab Control Sample	************	Total/NA	Solid	8260B/CA_LUFT	101388
LCSD 720-101388/3-A	Lab Control Sample Dup		Total/NA	Solid	MS 8260B/CA_LUFT	101388
LCSD 720-101388/5-A	Lab Control Sample Dup		Total/NA	Solid	MS 8260B/CA_LUFT	101388
MB 720-101388/1-A	Method Blank		Total/NA	Solid	MS 8260B/CA_LUFT MS	101388
Prep Batch: 101388						
Lab Sample ID	Client Sample ID		Ргер Туре	Matrix	Method	Prep Batch
720-38223-1	SUMP-EXS-1-9	· · · · · · · · · · · · · · · · · · ·	Total/NA	Solid	5035	
720-38223-2	SUMP-EXS-2-8		Total/NA	Solid	5035	
1.00 700 404000/0 4					· · · · · · · · · · · · · · · · ·	

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LCS 720-101388/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-101388/4-A	Lab Control Sample	Total/NA	Solid	5035	•••••••••••••••••••••••••••••••••••••••
LCSD 720-101388/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-101388/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101388/1-A	Method Blank	Total/NA	Solid	5035	• • • • • • • • • • • • • • • • • • • •
Lun .				and the second second	

Analysis Batch: 101541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38223-1	SUMP-EXS-1-9	Total/NA	Solid	8260B/CA_LUFT	101575
				MS	
720-38223-2	SUMP-EXS-2-8	Total/NA	Solid	8260B/CA_LUFT	101575
				MS	

Analysis Batch: 101542

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	101575
LCSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	101575
MB 720-101575/1-A	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	101575
				MS	

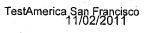
Prep Batch: 101575

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38223-1	SUMP-EXS-1-9	Total/NA	Solid	5035	
720-38223-2	SUMP-EXS-2-8	Total/NA	Solid	5035	
LCS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101575/1-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 101682

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38223-1	SUMP-EXS-1-9	 Silica Gel Cleanup	Solid	8015B	101720
720-38223-2	SUMP-EXS-2-8	Silica Gel Cleanup	Solid	8015B	101720



QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

GC Semi VOA (Continued)

Prep Batch: 101720 Matrix Method Prep Batch Lab Sample ID **Client Sample ID** Prep Type Solid 3546 720-38223-1 SUMP-EXS-1-9 Silica Gel Cleanup 3546 720-38223-2 SUMP-EXS-2-8 Silica Gel Cleanup Solid LCS 720-101720/2-A Lab Control Sample Silica Gel Cleanup Solid 3546 LCSD 720-101720/3-A Lab Control Sample Dup Silica Gel Cleanup Solid 3546 3546 Silica Gel Cleanup Solid MB 720-101720/1-A Method Blank

Analysis Batch: 101766

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 720-101720/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	101720
LCSD 720-101720/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	101720
MB 720-101720/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	101720

TestAmerica Job ID: 720-38223-1

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TestAmerica Job ID: 720-38223-1

Client Sample ID: SUMP-EXS-1-9 Date Collected: 10/19/11 09:10

Lab Sample ID: 720-38223-1

Matrix: Solid

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Date Received: 10/19/11 17:55

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101388	10/19/11 20:00	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101362	10/21/11 13:32	AC	TAL SF
Total/NA	Prep	5035			101575	10/22/11 20:33	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		100	101541	10/25/11 06:08	- LL	TAL SF
Silica Gel Cleanup	Prep	3546			101720	10/26/11 16:04	JRM	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	101682	10/27/11 03:01	DH	TAL SF

Client Sample ID: SUMP-EXS-2-8

Date Collected: 10/19/11 12:40 Date Received: 10/19/11 17:55 Lab Sample ID: 720-38223-2

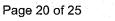
Matrix: Solid

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1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	Batch	Batch		Dilution	Batch	Prepared			1
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
otal/NA	Prep	5035		- <u></u> -	101388	10/19/11 20:00	JZ	TAL SF	. 8
Fotal/NA	Analysis	8260B/CA_LUFTMS		1	101362	10/21/11 14:06	AC	TAL SF	
otal/NA	Ргер	5035			101575	10/22/11 20:33	LL	TAL SF	2040.047
otal/NA	Analysis	8260B/CA_LUFTMS		100	101541	10/25/11 06:36	LL	TAL SF	- h
Silica Gel Cleanup	Prep	3546		1.	101720	10/26/11 16:04	JRM	TAL SF	
Silica Gel Cleanup	Analysis	8015B		1	101682	10/27/11 03:25	DH	TAL SF	

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Certification Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

	·····	 	**	
Method	Method Description		Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS	- <u>.</u>	SW846	TAL SF
8015B	Diesel Range Organics (DRO) (GC)		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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38223-1

Lab Sample ID	Client Sample ID		18 B A 18 B A 18	Matrix	· · ·	Collected	Received
720-38223-1	SUMP-EXS-1-9			Solid		10/19/11 09:10	10/19/11 17:55
720-38223-2	SUMP-EXS-2-8			Solid		10/19/11 12:40	10/19/11 17:55 10/19/11 17:55
720-38223-2	SUMP-EAS-2-0			Soliu		10/13/11 12.40	
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eq. No. <u>1034</u> ab: <u>Test America</u> <u>1465 North McDowell E</u> Suite 200 Petaluma, CA 94954		amary
	20-38223	134432.
lame/Location: <u>Criwn Cheuralet Sump E</u>		ANALYSIS REQUESTED
Project Manager: <u>Avery Patton</u>	Recorder: Auf Huge	VOCS 22 METALS a (82 LOUG) Lyme (8015)
	DATE DESCRIPTION r MO DAY TIME DEPTH 1 1 6 1 0 1 0	X 8260B 8270 717H43/ 777H43/
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
	1 2	
ADDITIONAL INFORMATION		AIN OF CUSTODY RECORD
REPORT TO: Avery Patton PO#: TAT: Standard Comments: Field Filtered Y/N	Relingershed By (Signature):	rey (Print Name) (Company) (Bate/Time, (Herint Name)) (Company) (Bate/Time, (Herint) (Phill) THSP (1955)
	Relinquished By (Signatu	
	Received By (Signature):	
	Received By (Signature)	: (Print Name) (Company) (Date/Time

Login Sample Receipt Checklist

Client: AMEC Geomatrix Inc.

Job Number: 720-38223-1

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List Source: TestAmerica San Francisco

Login Number: 38223 List Number: 1 Creator: Apostol, Anita Question Answer Comment

Question	Answei	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			
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	5.6		
COC is present.	True			
COC is filled out in ink and legible.	True		1. A. A. A.	
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 sample IDs on the containers 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.	True	,		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

5 6

TestAmerica Laboratories, Inc. TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38238-1 Client Project/Site: Crown Chevrolet Revision: 1

For:

LINKS

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Visit us at:

Ask The

Expert

AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Alter file

Authorized for release by: 11/18/2011 11:58:50 AM

Afsaneh Salimpour Project Manager I afsaneh.salimpour@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 Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

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
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 Geomatrix Inc. Project/Site: Crown Chevrolet

Job ID: 720-38238-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38238-1

Revised the Case Narrative on 11/18/11. Comments No additional comments.

Receipt All samples were received in good condition within temperature requirements.

GC/MS VOA No other analytical or quality issues were noted.

GC Semi VOA No other analytical or quality issues were noted.

Organic Prep No analytical or quality issues were noted. 4

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Detection Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Client Sample ID: SUMP-EXS-3-8

TestAmerica Job ID: 720-38238-1

Lab Sample ID: 720-38238-2

Lab Sample ID: 720-38238-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D. N	lethod	Prep Type
Chlorobenzene	18		4.2		ug/Kg	1	8	3260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	1500		520		ug/Kg	100	8	3260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	18		4.2		ug/Kg	1	8	3260B/CA_LUFTM	Tota!/NA

Client Sample ID: SUMP-EXS-4-8

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac	D Method	Prep Type
1,2-Dichlorobenzene	2500	460	ug/Kg	100	8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	48	4.6	ug/Kg	1	8260B/CA_LUFTM	Total/NA
Gasoline Range Organics (GRO) -C5-C12	1200	230	ug/Kg	1	8260B/CA_LUFTM	Total/NA
Chlorobenzene	1400	460	ug/Kg	100	8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	1.2	0.99	mg/Kg	1	8015B	Silica Gel Cle

Client Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38238-1

Lab Sample ID: 720-38238-1

Matrix: Solid

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SUMP-EXS-3-8 Date Collected: 10/20/11 09:25 Date Received: 10/20/11 16:30

Analyte		Qualifier	RL	MDL Unit	D Prepare		Dil Fa
Methyl tert-butyl ether	ND		4.2	ug/Kg	10/20/11 17		
Acetone	ND		42	ug/Kg	10/20/11 17		
Benzene	ND		4.2	ug/Kg	10/20/11 17	30 10/25/11 13:52	
Dichlorobromomethane	ND		4.2	ug/Kg	10/20/11 17	':30 10/25/11 13:52	
Bromobenzene	ND		4.2	ug/Kg	10/20/11 17	2:30 10/25/11 13:52	
Chlorobromomethane	ND		17	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
Bromoform	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
Bromomethane	ND		8.4	ug/Kg	10/20/11 17	:30 10/25/11 13:52	×
2-Butanone (MEK)	ND		42	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
n-Butylbenzene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
sec-Butylbenzene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
tert-Butylbenzene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
Carbon disulfide	ND		4.2	ug/Kg	10/20/11 17	30 10/25/11 13:52	
Carbon tetrachloride	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	÷ 4
Chlorobenzene	18		4.2	ug/Kg	10/20/11 17		
Chloroethane	ND		8.4	ug/Kg	10/20/11 17		
Chloroform	ND		4.2	ug/Kg	10/20/11 17		
Chloromethane	ND		8.4	ug/Kg	10/20/11 17		
2-Chlorotoluene	ND	1	4.2	ug/Kg	10/20/11 17		
4-Chlorotoluene	ND		4,2	ug/Kg	10/20/11 17		
Chlorodibromomethane	ND		4.2	ug/Kg	10/20/11 17		
1,2-Dichlorobenzene	1500		520	ug/Kg	10/22/11 20		10
1,2-Dichlorobenzene	1500 ND		4.2	ug/Kg	10/20/11 17		
· .			4.2 4.2				
4-Dichlorobenzene	18 ND		4.2 4.2	ug/Kg	10/20/11 17		
I,3-Dichloropropane				ug/Kg	10/20/11 17		
,1-Dichloropropene	ND		4.2	ug/Kg	10/20/11 17		
1,2-Dibromo-3-Chloropropane	ND		4.2	ug/Kg	10/20/11 17		
Ethylene Dibromide	ND		4.2	ug/Kg	10/20/11 17		
Dibromomethane	ND		8.4	ug/Kg	10/20/11 17		
Dichlorodifluoromethane	ND		8.4	ug/Kg	10/20/11 17		
1,1-Dichloroethane	ND		4.2	ug/Kg	10/20/11 17		
1,2-Dichloroethane	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
1,1-Dichloroethene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
cis-1,2-Dichloroethene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
rans-1,2-Dichloroethene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
1,2-Dichloropropane	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
cis-1,3-Dichloropropene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
rans-1,3-Dichloropropene	ND		4.2	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
Ethylbenzene	ND		4.2	ug/Kg	10/20/11 17	30 10/25/11 13:52	
Hexachlorobutadiene	ND		4.2	ug/Kg	10/20/11 17	30 10/25/11 13:52	
2-Hexanone	ND		42	ug/Kg	10/20/11 17	:30 10/25/11 13:52	
sopropylbenzene	ND		4.2	ug/Kg	10/20/11 17	30 10/25/11 13:52	
-Isopropyltoluene	ND		4.2	ug/Kg	10/20/11 17		
Nethylene Chloride	ND		8.4	ug/Kg	10/20/11 17	and the second	
-Methyl-2-pentanone (MIBK)	ND		42	ug/Kg	10/20/11 17		
laphthalene	NĎ		8.4	ug/Kg	10/20/11 17		stre i j
N-Propylbenzene	ND		4.2	ug/Kg	10/20/11 17		
Styrene	ND		4.2	ug/Kg	10/20/11 17	· · · · · · · · · · · · · · · · · · ·	
JUTONO	ND.		7.2	uging	10/20/11 17	50 10/20/11 15.52	1

TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID; SUMP-EXS-3-8
Date Collected: 10/20/11 09:25
Date Received: 10/20/11 16:30

Lab Sample ID: 720-38238-1 Matrix: Solid

Prepared

10/22/11 20:33

10/20/11 17:30

10/22/11 20:33

10/20/11 17:30

10/22/11 20:33

10/20/11 17:30

Analyzed

10/25/11 06:47

10/25/11 13:52

10/25/11 06:47

10/25/11 13:52

10/25/11 06:47

10/25/11 13:52

Lab Sample ID: 720-38238-2

Dil Fac

100

100

100

Matrix: Solid

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Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Tetrachloroethene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Toluene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,2,3-Trichlorobenzene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	- 1
1,2,4-Trichlorobenzene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,1,1-Trichloroethane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,1,2-Trichloroethane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	. 1
Trichloroethene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Trichlorofluoromethane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,2,3-Trichloropropane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,2,4-Trimethylbenzene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
1,3,5-Trimethylbenzene	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Vinyl acetate	ND	42	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Vinyl chloride	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	· 1
Xylenes, Total	ND	8.4	ug/Kg	10/20/11 17:30	10/25/11 13:52	['] 1
2,2-Dichloropropane	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Gasoline Range Organics (GRO)	ND	210	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
-C5-C12			· ·			
TBA	ND	8.4	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
DIPE	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
TAME	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1
Ethyl-t-butyl ether (ETBE)	ND	4.2	ug/Kg	10/20/11 17:30	10/25/11 13:52	1

Surrogate	% Recovery	Qualifier	Limits
4-Bromofluorobenzene	99		66 - 148
4-Bromofluorobenzene	97		45 - 131
1,2-Dichloroethane-d4 (Surr)	77		62 - 137
1,2-Dichloroethane-d4 (Surr)	109		60 - 140
Toluene-d8 (Surr)	99		65 - 141
Toluene-d8 (Surr)	93		58 - 140

Client Sample ID: SUMP-EXS-4-8 Date Collected: 10/20/11 11:40

Date Received: 10/20/11 16:30

Analyte		Result	Qualifier		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether		ND			4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
Acetone		ND			46		ug/Kg		10/20/11 17:30	10/21/11 14:38	. 1
Benzene		ND		. 71	4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
Dichlorobromomethane		ND			4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
Bromobenzene	e - 1	: ND			4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
Chlorobromomethane		ND			19		ug/Kg		10/20/11 17:30	10/21/11 14:38	· · 1
Bromoform		ND			4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	- 1
Bromomethane		ND			9.3		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
2-Butanone (MEK)		ND			46		ug/Kg		10/20/11 17:30	10/21/11 14:38	. 1
n-Butylbenzene		ND			4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1
sec-Butylbenzene		ND			4.6	,	ug/Kg		10/20/11 17:30	10/21/11 14:38	1
tert-Butylbenzene		ND	a a se		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	· . 1
Carbon disulfide	· · · · · · · · · · · · · · · · · · ·	ND	· · · · · ·		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1.

TestAmerica Job ID: 720-38238-1

Lab Sample ID: 720-38238-2

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXS-4-8 Date Collected: 10/20/11 11:40 Date Received: 10/20/11 16:30

Analyte RL Result Qualifier MDL Unit D Prepared Analyzed Dil Fac Carbon tetrachloride ND 46 ug/Kg 10/20/11 17:30 10/21/11 14:38 Chloroethane ND 9.3 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Chloroform ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Chloromethane ND 9.3 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 2-Chlorotoluene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 4-Chlorotoluene ND 10/20/11 17:30 4.6 ug/Kg 10/21/11 14:38 1 Chlorodibromomethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2-Dichlorobenzene 2500 460 ug/Kg 10/22/11 20:33 10/25/11 07:18 100 1,3-Dichlorobenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 4.6 1.4-Dichlorobenzene 48 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1.3-Dichloropropane ND 4.6 ug/Kg 10/20/11-17:30 10/21/11 14:38 1 1,1-Dichloropropene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2-Dibromo-3-Chloropropane ND 4.6 10/20/11 17:30 ua/Ka 10/21/11 14:38 1 Ethylene Dibromide ND 4.6 10/20/11 17:30 10/21/11 14:38 ug/Kg 1 Dibromomethane ND 93 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Dichlorodifluoromethane ND 9.3 10/20/11 17:30 10/21/11 14:38 ug/Kg 1,1-Dichloroethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2-Dichloroethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1,1-Dichloroethene ND 4.6 10/20/11 17:30 10/21/11 14:38 ug/Kg cis-1.2-Dichloroethene ND 46 ug/Kg 10/20/11 17:30 10/21/11 14:38 trans-1.2-Dichloroethene ND 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1,2-Dichloropropane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 cis-1,3-Dichloropropene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 trans-1,3-Dichloropropene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 Ethvlbenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 Hexachlorobutadiene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 ND 2-Hexanone 46 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Isopropylbenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 ND 4-Isopropyltoluene 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Methylene Chloride ND 9.3 ug/Kg 10/20/11 17:30 10/21/11 14:38 4-Methyl-2-pentanone (MIBK) ND 46 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 ND Naphthalene 9.3 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 N-Propylbenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 ND 4.6 Styrene ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,1,1,2-Tetrachloroethane ND 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 1,1,2,2-Tetrachloroethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 Tetrachloroethene ND 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 Toluene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1.2.3-Trichlorobenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2,4-Trichlorobenzene ND 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 1,1,1-Trichloroethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,1,2-Trichloroethane ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 ND Trichloroethene 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 ND Trichlorofluoromethane 46 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2,3-Trichloropropane ND 4.6 10/20/11 17:30 ug/Kg 10/21/11 14:38 1 ND 4.6 1,1,2-Trichloro-1,2,2-trifluoroethane ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,2,4-Trimethylbenzene ND 4:6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 1,3,5-Trimethylbenzene ND 4.6 ug/Kg 10/20/11 17:30 10/21/11 14:38 1 ŃD Vinyl acetate 46 ug/Kg 10/20/11 17:30 10/21/11 14:38

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXS-4-8 Date Collected: 10/20/11 11:40

2

Date Received: 10/20/11 16:30

Client Sample ID: SUMP-EXS-4-8							Lab	Sample ID: 720		4
Date Collected: 10/20/11 11:40			· .					Mati	rix: Solid	
Date Received: 10/20/11 16:30		1.1.1								5
Analyte	Bosult	Qualifier	RL	MDL	Unit	D	Prepared	Analvzed	Dil Fac	
Vinyl chloride	ND	Quanner	4.6		ug/Kg	Ľ	10/20/11 17:30	10/21/11 14:38	1	6
	. ND		4.0 9.3				10/20/11 17:30	10/21/11 14:38	4	
Xylenes, Total					ug/Kg					7
2,2-Dichloropropane	ND		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	
Gasoline Range Organics (GRO) -C5-C12	1200		230		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	8
ТВА	ND		9.3		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	
DIPE	ND		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	6
TÁME	ND		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	
Ethyl-t-butyl ether (ETBE)	ND		4.6		ug/Kg		10/20/11 17:30	10/21/11 14:38	1	10
Chlorobenzene	1400		460		ug/Kg		10/22/11 20:33	10/25/11 07:18	100	
		-								
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	99		45 - 131				10/20/11 17:30	10/21/11 14:38	1	
4-Bromofluorobenzene	98		66 - 148	1			10/22/11 20:33	10/25/11 07:18	100	2.24
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				10/20/11 17:30	10/21/11 14:38	1	
1,2-Dichloroethane-d4 (Surr)	77		62 - 137				10/22/11 20:33	10/25/11 07:18	100	
Toluene-d8 (Surr)	100		58 - 140			•	10/20/11 17:30	10/21/11 14:38	· 1	
Toluene-d8 (Surr)	99		65 - 141				10/22/11 20:33	10/25/11 07:18	100	

Client Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

i.	Client Sample ID: SUMP-EXS-3-8
	Date Collected: 10/20/11 09:25
	Date Received: 10/20/11 16:30

Lab Sample ID: 720-38238-1

per la construcción de la				1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 -						
Client Sample ID: SUMP-EXS-3-8 Date Collected: 10/20/11 09:25							Lab \$	Sample ID: 720	-38238-1 ix: Solid	4
Date Received: 10/20/11 16:30								IVIALI	ix: 30110	5
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	â
Diesel Range Organics [C10-C28]	ŃD		0.99		mg/Kg		10/25/11 10:07	10/26/11 11:26	1	
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		10/25/11 10:07	10/26/11 11:26	1	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Capric Acid (Surr)	0.03		0 - 1				10/25/11 10:07	10/26/11 11:26	1	0
p-Terphenyl	103		38 - 148				10/25/11 10:07	10/26/11 11:26	1	
r										
Client Sample ID: SUMP-EXS-4-8							Lab S	Sample ID: 720-	38238-2	
Date Collected: 10/20/11 11:40								Matri	x: Solid	
Date Received: 10/20/11 16:30										
								· · · · ·		
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	1.2		0.99		mg/Kg		10/25/11 10:07	10/26/11 11:49	1	
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		10/25/11 10:07	10/26/11 11:49	· 1	
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Capric Acid (Surr)	0.03		0 - 1				10/25/11 10:07	10/26/11 11:49	.1	
p-Terphenyl	98		38 - 148				10/25/11 10:07	10/26/11 11:49	. 1	

QC Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

lient: AMEC Geomatrix Inc.					TestAmeri	ca Job ID: 720-38238-1	1
roject/Site: Crown Chevrolet							
lethod: 8260B/CA_LUFTMS - 82	260B / CA L	.UFT MS	· · · · · · · · · · · · · · · · · · ·				3
Lab Sample ID: MB 720-101388/1-A					Client Sa	mple ID: Method Blank	k
Matrix: Solid		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -				Prep Type: Total/NA	an a
Analysis Batch: 101362	· ·					Prep Batch: 101388	
	MB ME	3					
Analyte	Result Qu	alifier	RL MDL	Unit D	Prepared	Analyzed Dil Fac	c (î
Methyl tert-butyl ether	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Acetone	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Benzene	ND	ŧ	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Dichlorobromomethane	ND	ŧ	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Bromobenzene	ND	ŧ	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Chlorobromomethane	ND		20	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Bromoform	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Bromomethane	ND .		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
2-Butanone (MEK)	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
n-Butylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
sec-Butylbenzene	NĎ		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
ert-Butylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Carbon disulfide	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Carbon tetrachloride	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Chloroethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Chloroform	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Chloromethane	ND		9,9	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
2-Chlorotoluene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
4-Chlorotoluene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
Chlorodibromomethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	· . 1
1,2-Dichlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
1,3-Dichlorobenzene	ND ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
	ND .		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
1,4-Dichlorobenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	1
1,3-Dichloropropane					10/21/11 10:18	10/21/11 10:40	1
	ND ND		5.0 5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40	•
1,2-Dibromo-3-Chloropropane				ug/Kg			•
Ethylene Dibromide	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1. 4
Dibromomethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
Dichlorodifluoromethane	ND		9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1 1 ·
I,1-Dichloroethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
I,2-Dichloroethane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1 -
I,1-Dichloroethene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1.
sis-1,2-Dichloroethene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
rans-1,2-Dichloroethene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
I,2-Dichloropropane	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
sis-1,3-Dichloropropene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
rans-1,3-Dichloropropene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
Ethylbenzene	ND		5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
lexachlorobutadiene	ND	5	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
2-Hexanone	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
sopropylbenzene	ND	5	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
l-Isopropyltoluene	ND	E	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
Nethylene Chloride	ND	ç	9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
I-Methyl-2-pentanone (MIBK)	ND		50	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1 .
laphthalene	ND	ç	9.9	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
N-Propylbenzene	ND	ε	5.0	ug/Kg	10/21/11 10:18	10/21/11 10:40 1	1
					10/21/11 10:18	10/21/11 10:40 1	1
Styrene	ND	5	5.0	ug/Kg	10/21/11 10.10	10/21/11 10,40	
Styrene ,1,1,2-Tetrachloroethane	ND ND		5.0	ug/Kg ug/Kg	10/21/11 10:18	10/21/11 10:40	1

QC Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-101388/1 Matrix: Solid	1-A						Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 101362								Prep Batch	
	МВ	MB							
Analyte	Result	Qualifier	RL	M	DL Unit	. C) Prepared	Analyzed	Dil Fa
Tetrachloroethene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
Toluene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,2,3-Trichlorobenzene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,2,4-Trichlorobenzene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,1,1-Trichloroethane	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
1,1,2-Trichloroethane	ND		5.0		ug/Kg	-	10/21/11 10:18	10/21/11 10:40	
Frichloroethene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
Trichlorofluoromethane	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
1,2,3-Trichloropropane	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,2,4-Trimethylbenzene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
,3,5-Trimethylbenzene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
/inyl acetate	ND		50		ug/Kg		10/21/11 10:18	10/21/11 10:40	
/inyl chloride	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
(ylenes, Total	ND		9.9						
					ug/Kg		10/21/11 10:18	10/21/11 10:40	
2,2-Dichloropropane	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
Basoline Range Organics (GRO)	ND		250		ug/Kg		10/21/11 10:18	10/21/11 10:40	×
C5-C12 BA	ND		9.9		ug/Kg		10/21/11 10:18	10/21/11 10:40	
NPE	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
AME	ND		5.0		ug/Kg				
							10/21/11 10:18	10/21/11 10:40	
thyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
Chlorobenzene	ND		5.0		ug/Kg		10/21/11 10:18	10/21/11 10:40	
	MB	МВ							
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
-Bromofluorobenzene	101		45 - 131				10/21/11 10:18	10/21/11 10:40	
,2-Dichloroethane-d4 (Surr)	104		60 - 140				10/21/11 10:18	10/21/11 10:40	
oluene-d8 (Surr)	98		58 - 140				10/21/11 10:18	10/21/11 10:40	
ab Sample ID: LCS 720-101388/	2-A				· · ·		Client Sample I	D: Lab Control	Sampl
Matrix: Solid						1		Prep Type: T	-
Analysis Batch: 101362								Prep Batch:	
			Spike	LCS	LCS			% Rec.	19100
nalyte			Added		Qualifier	Unit	D % Rec	Limits	
ethyi tert-butyl ether			49.9	51.1	quanner	ug/Kg		71 - 144	
cetone			250	303		ug/Kg	121	30 - 162	
enzene			49.9	49.1		ug/Kg	98		
ichlorobromomethane								77 - 113	
and the second			49.9	48.5		ug/Kg	97	86 - 131	
romobenzene			49.9	48.1		ug/Kg	96	88 - 120	
			49.9	45.7		ug/Kg	92	81 - 116	
						ug/Kg	106	59 - 158	
romoform	· · · · ·		49.9	52.9					
romoform romomethane	· · · · · · · · · · · · · · · · · · ·		49.9	49.7		ug/Kg	100	59 - 132	
romoform romomethane				49.7 295			100 118	59 - 132 61 - 150	
omoform omomethane Butanone (MEK)			49.9	49.7		ug/Kg			
omoform omomethane Butanone (MEK) Butylbenzene			49.9 250	49.7 295		ug/Kg ug/Kg	118	61 - 150	
romoform romomethane Butanone (MEK) Butylbenzene ac-Butylbenzene			49.9 250 49.9	49.7 295 54.5		ug/Kg ug/Kg ug/Kg	118 109	61 - 150 80 - 142	
romoform romomethane Butanone (MEK) Butylbenzene ec-Butylbenzene rt-Butylbenzene			49.9 250 49.9 49.9	49.7 295 54.5 52.3		ug/Kg ug/Kg ug/Kg ug/Kg	118 109 105	61 - 150 80 - 142 85 - 136	
hlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene arbon disulfide arbon tetrachloride			49.9 250 49.9 49.9 49.9	49.7 295 54.5 52.3 52.9		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	118 109 105 106	61 - 150 80 - 142 85 - 136 71 - 130	
romoform romomethane Butanone (MEK) Butylbenzene ec-Butylbenzene ort-Butylbenzene arbon disulfide			49.9 250 49.9 49.9 49.9 49.9	49.7 295 54.5 52.3 52.9 49.9		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	118 109 105 106 100	61 - 150 80 - 142 85 - 136 71 - 130 60 - 136	

TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

ab Sample ID: LCS 720-101388/2-A					Client Sample I	D: Lab Con Prep Typ	
Aatrix: Solid							tch: 1013
Analysis Batch: 101362	Online	201	LCS			и Rec.	
	Spike			11			
nalyte	Added		Qualifier	Unit	D % Rec 103	Limits 60 - 149	·
Chloromethane	49.9	51.3		ug/Kg			
-Chlorotoluene	49.9	51.5		ug/Kg	103	80 - 138	
-Chlorotoluene	49.9	52.1		ug/Kg	104	79 - 136	
Chlorodibromomethane	49.9	48.9		ug/Kg	98	75 - 146	
,2-Dichlorobenzene	49.9	46.9		ug/Kg	94	84 - 130	
,3-Dichlorobenzene	49.9	48.1		ug/Kg	96	84 - 131	
,4-Dichlorobenzene	49.9	48.1	•	ug/Kg	96	85 - 125	
,3-Dichloropropane	49.9	49.5		ug/Kg	99	79 - 140	
,1-Dichloropropene	49.9	52.7		ug/Kg	106	70 - 130	
,2-Dibromo-3-Chloropropane	49.9	55.5	· · · · · · · · · · · · · · · · · · ·	ug/Kg	111	68 - 145	-
thylene Dibromide	49.9	49.9		ug/Kg	100	79 - 140	
bibromomethane	49.9	47.7		ug/Kg	96	80 - 139	
Dichlorodifluoromethane	49.9	53.3		ug/Kg	107	37 - 158	
,1-Dichloroethane	49.9	48.7		ug/Kg	98	76 - 119	
.2-Dichloroethane	49.9	48.5		ug/Kg	97	72 - 130	
.1-Dichloroethene	49.9	47.5		ug/Kg	95	68 ₋ 119	
is-1,2-Dichloroethene	49.9	49.3		ug/Kg	99	87 - 138	
rans-1,2-Dichloroethene	49.9	47.5		ug/Kg	95	67 - 108	
-	49.9	48.1		ug/Kg	96	73 - 127	
,2-Dichloropropane	49.9	51.5		ug/Kg	103	68 - 147	
is-1,3-Dichloropropene	49.9 49.9	52.7		ug/Kg	106	84 - 136	
ans-1,3-Dichloropropene	49.9 49.9	52.7		ug/Kg	100	80 - 137	÷
thylbenzene		50.9 47.1			94	72 - 132	
lexachlorobutadiene	49.9			ug/Kg	124	60 - 161	
-Hexanone	250	309		ug/Kg	124	88 - 128	
sopropylbenzene	49.9	53.1		ug/Kg	- +		
-IsopropyItoluene	49.9	51.9		ug/Kg	104	85 - 133	
Nethylene Chloride	49.9	47.1		ug/Kg	. 94	72 - 134	
-Methyl-2-pentanone (MIBK)	250	301		ug/Kg	121	69 - 160	
laphthalene	49.9	54.3		ug/Kg	109	70 - 147	
I-Propylbenzene	49.9	54.3		ug/Kg	109	72 - 125	
tyrene	49.9	54.3		ug/Kg	109	89 - 126	
,1,1,2-Tetrachloroethane	49.9	48.9		ug/Kg	98	90 - 130	
,1,2,2-Tetrachloroethane	49.9	53.5		ug/Kg	107	82 - 146	
etrachloroethene	49.9	48.1		ug/Kg	96	78 - 132	
Foluene	49.9	50.1		ug/Kg	100	80 - 114	
,2,3-Trichlorobenzene	49.9	47.3		ug/Kg	95	82 - 135	
,2,4-Trichlorobenzene	49.9	50.5		ug/Kg	101	70 - 131	
,1,1-Trichloroethane	49.9	49.3		ug/Kg	99	80 - 127	
1,2-Trichloroethane	49.9	49.1		ug/Kg	98	82 - 125	
richloroethene	49.9	48.3		ug/Kg	97	81 - 133	
	49.9	49.7		ug/Kg	100	71 - 139	
richlorofluoromethane	49.9	52.5		ug/Kg	105	76 - 146	
,2,3-Trichloropropane	49.9	48.5		ug/Kg	97	70 - 130	
,1,2-Trichloro-1,2,2-trifluoroetha	49.9	40.0		49/119	51	,	·
ne .2.4-Trimethylbenzene	49.9	53.5		ug/Kg	107	84 - 130	
	49.9	53.7		ug/Kg	108	82 - 131	
,3,5-Trimethylbenzene	49.9	61.7		ug/Kg	124	38 - 176	
				ug/Kg	124	58 - 125	
/inyl chloride	49.9	50.1				58 - 125 79 - 146	
n-Xylene & p-Xylene	99.8	104		ug/Kg	104	13-140	

Chlorobromomethane

Bromoform

Bromomethane

n-Butylbenzene

sec-Butylbenzene

tert-Butylbenzene

Carbon disulfide

Chloroethane

Chloromethane

2-Chlorotoluene

4-Chlorotoluene

Chloroform

Carbon tetrachloride

2-Butanone (MEK)

roject/Site: Crown Chevrolet									rica Job ID	0	
ethod: 8260B/CA_LUFT	MS - 8260P		FT MS (Co	ntinued)	· · · ·			· · · · · ·		-	
			me (00	incinuouy	· .			······ . · · · · · · · ·	······		
Lab Sample ID: LCS 720-101	388/2-A						Client	Sample	ID: Lab C		
Matrix: Solid									-	уре: То	
Analysis Batch: 101362				1.00						Batch: 1	01388
Analyte			Spike		LCS				% Rec.		
2,2-Dichloropropane	·	<u> </u>	Added 49.9	S9.9	Qualifier	Unit	D	% Rec	Limits		
TBA		<u>`-</u>	49.9 998	59.9 1000		ug/Kg		120	73 - 162		
DIPE			49.9			ug/Kg		100	63 - 119		
TAME				50.3		ug/Kg		101	83 - 131		
			49.9	53.3		ug/Kg		107	74 - 140		
Ethyl-t-butyl ether (ETBE) Chlorobenzene			49,9 49,9	50.9 49.1		ug/Kg		102	76 - 129		
Chlorobenzene	· · ·		49.9	49.1		ug/Kg		98	82 - 114		
	LCS	LCS	4 · · · ·								
Surrogate	% Recovery	Qualifier	Limits								
1-Bromofluorobenzene	105		45 - 131								
1,2-Dichloroethane-d4 (Surr)	99		60 - 140		•						
oluene-d8 (Surr)	101		58 - 140								
latrix: Solid nalysis Batch: 101362										ype: To Batch: 1	
			Spike	LCS	LCS				% Rec.		
Analyte			Added		Qualifier	Unit	D	% Rec	Limits		
Basoline Range Organics (GRO)			994	836		ug/Kg		84	61 - 128		1.
C5-C12											
	LCS	LCS									
Surrogate	% Recovery	Qualifier	Limits								1911 - 1913 1
l-Bromofluorobenzene	107		45 - 131		1				1.7		
,2-Dichloroethane-d4 (Surr)	103		60 - 140								
oluene-d8 (Surr)	102	. , ,	58 - 140								ener Stationer
ab Sample ID: LCSD 720-101	388/3-A					Clier	nt Samn	le ID: La	ab Contro	Sampl	e Dun
latrix: Solid							p			/pe: To	-
nalysis Batch: 101362										Batch: 1	
			Spike	LCSD	LCSD				% Rec.		RPD
nalyte			Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
lethyl tert-butyl ether	· · · · ·	· · · · · ·	49.6	51.0		ug/Kg		103	71 - 144	0	20
cetone			248	244		ug/Kg		98	30 - 162	22	30
enzene			49.6	49.8		ug/Kg		100	77 - 113		20
ichlorobromomethane			49.6	49.6		ug/Kg		100	86 - 131	2	20
romobenzene			49.6	48.4		ug/Kg		98	88 - 120	- 1	20

49.6

49.6

49.6

248

49.6

49.6

49.6

49.6

49.6

49.6

49.6

49.6

49.6

49.6

Page 14 of 31

46.2

49.8

49.8

246

53.4

51.6

52.6

48.8

50.0

49.0

48.0

51.2

51.2

51.8

ug/Kg

93

100

100

99

108

104

106

98

101

99

97

103

103

104

81 - 116

59 - 158

59 - 132

61 - 150

80 - 142

85 - 136

71 - 130

60 - 136

81 - 138

65 - 126

77 - 127

60 - 149

80 - 138

79 - 136

20

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20

20

20

20

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18

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QC Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

ent: AMEC Geomatrix Inc. oject/Site: Crown Chevrolet	QC Sample			TestAmer	ica Job ID:	720-38238-1
ethod: 8260B/CA_LUFTMS - 8260B / CA	LUFT MS (Conti	nued)			1	
_ab Sample ID: LCSD 720-101388/3-A			Clier	nt Sample ID: La	ab Control	Sample Dup
Matrix: Solid						pe: Total/NA
Analysis Batch: 101362					Prep B	atch: 101388
	Spike	LCSD	LCSD		% Rec.	RPD
Analyte	Added	Result	Qualifier Unit	D % Rec	Limits	RPD Limit
hlorodibromomethane	49.6	49.4	ug/Kg	100	75 _ 146	1 20
,2-Dichlorobenzene	49.6	47.2	ug/Kg	95	84 - 130	1 20
,3-Dichlorobenzene	49.6	48.6	ug/Kg	98	84 _ 131	1 20
,4-Dichlorobenzene	49.6	47.6	ug/Kg	96	85 - 125	1 20
,3-Dichloropropane	49.6	49.0	ug/Kg	99	79 - 140	1 20
,1-Dichloropropene	49.6	52.2	ug/Kg	105	70 - 130	1 20
,2-Dibromo-3-Chloropropane	49.6	46.4	ug/Kg	94	68 - 145	18 20
thylene Dibromide	49.6	48.2	ug/Kg	97	79 - 140	3 20
)ibromomethane	49.6	47.4	ug/Kg	96	80 - 139	1 20
ichlorodifluoromethane	49.6	52.6	ug/Kg	106	37 - 158	-1. 20
,1-Dichloroethane	49.6	49.4	ug/Kg	100	76 - 119	1 20
,2-Dichloroethane	49.6	48.8	ug/Kg	98	72 - 130	1 20
,1-Dichloroethene	49.6	47.4	ug/Kg	96	68 - 119	0 20
is-1,2-Dichloroethene	49.6	50.2	ug/Kg	101	87 - 138	2 20
ans-1,2-Dichloroethene	49.6	47.6	ug/Kg	96	67 - 108	0 20
,2-Dichloropropane	49.6	50.0	ug/Kg	101	73 - 127	4 20
s-1,3-Dichloropropene	49.6	52.4	ug/Kg	106	68 - 147	2 20
ans-1,3-Dichloropropene	49.6	53.0	ug/Kg	107	84 - 136	1 20
thylbenzene	49.6	50.6	ug/Kg	102	80 - 137	1 20
exachlorobutadiene	49.6	47.0	ug/Kg	95	72 - 132	0 20
Hexanone	248	260	ug/Kg	105	60 - 161	17 20
opropylbenzene	49.6	53.2	ug/Kg	107	88 - 128	0 20
Isopropyitoluene	49.6	51.6	ug/Kg	104	85 _ 133	1 20
lethylene Chloride	49.6	48.2	ug/Kg	97	72 - 134	2 20
-Methyl-2-pentanone (MIBK)	248	262	ug/Kg	105	69 ₋ 160	14 20
laphthalene	49.6	50.4	ug/Kg	102	70 - 147	7 20
-Propylbenzene	49.6	53.4	ug/Kg	108	72 - 125	2 20
tyrene	49.6	54.6	ug/Kg	110	89 - 126	0 20
1,1,2-Tetrachloroethane	49.6	49.4	ug/Kg	100	90 - 130	1 20
1,2,2-Tetrachloroethane	49.6	48.0	ug/Kg	97	82 - 146	11 20
etrachloroethene	49.6	48.0	ug/Kg	97	78 - 132	0 20
oluene	49.6	50.2	ug/Kg	101	80 - 114	0 20
,2,3-Trichlorobenzene	49.6	47.4	ug/Kg	96	82 - 135	0 20
2,4-Trichlorobenzene	49.6	50.8	ug/Kg	102	70 - 131	1 20
1,1-Trichloroethane	49.6	49.4	ug/Kg	100	80 - 127	0 20
1,2-Trichloroethane	49.6	48.2	ug/Kg	97	82 - 125	2 20
ichloroethene	49.6	48.4	ug/Kg	98	81 - 133	0 20
ichlorofluoromethane	49.6	49.2	ug/Kg	99	71 - 139	1 20
2,3-Trichloropropane	49.6	46.6	ug/Kg	94	76 - 146	12 20
1,2-Trichloro-1,2,2-trifluoroetha	49.6	48.2	ug/Kg	97	70 - 130	1 20
1,2- I nchioro-1,2,2-thnuoroetha 9	10.0		~9.1.9			
z,4-Trimethylbenzene	49.6	54.0	ug/Kg	109	84 - 130	1 20
3,5-Trimethylbenzene	49.6	53.8	ug/Kg	108	82 - 131	0 20
nyl acetate	49.6	58.3	ug/Kg	118	38 - 176	6 20
inyl chloride	49.6	48.2	ug/Kg	97	58 - 125	4 20
-Xylene & p-Xylene	99.2	104	ug/Kg	105	79 - 146	0 20
Xylene	49.6	52.2	ug/Kg	105	84 - 140	0 20
2-Dichloropropane	49.6	55.8	ug/Kg	112	73 - 162	7 20
BA	992	992	ug/Kg	100	63 - 119	1 20
IPE	49.6	52.6	ug/Kg	106	83 - 131	4 20

TestAmerica Job ID: 720-38238-1

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-10 Matrix: Solid	1388/3-A					Cli	ent Sample ID: La	ab Control Sam Prep Type: ⁻	
Analysis Batch: 101362								Prep Batch	: 10138
			Spike	LCSD	LCSD			% Rec.	RPI
Analyte			Added	Result	Qualifier	Unit	D % Rec	Limits RPI	D Limi
ТАМЕ			49.6	54.8		ug/Kg	110	74 - 140	3 2
Ethyl-t-butyl ether (ETBE)			49.6	53.0		ug/Kg	107	76 - 129	4 2
Chlorobenzene			49.6	49.2		ug/Kg	99	82 - 114	0 2
	1000	1.000							
Curren anata		LCSD							
Surrogate 4-Bromofluorobenzene	% Recovery 106	Qualifier	Limits 45 - 131						
	99		45 - 131 60 - 140						
1,2-Dichloroethane-d4 (Surr)									
Toluene-d8 (Surr)	103		58 - 140				•		
ab Sample ID: I CSD 720 101	1200/E A						ant Comple ID: L	h Control Com	
Lab Sample ID: LCSD 720-101 Matrix: Solid	1300/3-A					Cill	ent Sample ID: La		
								Prep Type: 1	
Analysis Batch: 101362			Snika	LCSD	LCSD			Prep Batch:	
Analyte			Spike Added	· ·	Qualifier	t Init	D % Ba-	% Rec.	RPI
Gasoline Range Organics (GRO)		<u> </u>	998	853	Quaimer	Unit ug/Kg	D % Rec 85	Limits RPI	D Limi 2 20
C5-C12				000		~9/1 (<u>9</u>	. 00	51-120	
	LCSD								
Surrogate	% Recovery	Qualifier	Limits						
l-Bromofluorobenzene	105		45 - 131						
1,2-Dichloroethane-d4 (Surr)	103		60 - 140						
Toluene-d8 (Surr)	102		58 - 140						
Lab Sample ID: MB 720-10157	'5/1-A						Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	
Analysis Batch: 101542								Prep Batch:	
		MB MB						Top Batom	
•	· · · · _	esult Qualifier	RL	M	DL Unit		D Prepared	Analyzed	
nalyte	Re								Dil Fac
	Re	ND	500		ug/Kg			·	
I,2-Dichlorobenzene	R(ND			ug/Kg ug/Kg		10/22/11 20:33	10/25/11 02:38	Dil Fac 100 100
,2-Dichlorobenzene	R		500		ug/Kg ug/Kg		10/22/11 20:33	·	100
I,2-Dichlorobenzene		ND	500				10/22/11 20:33	10/25/11 02:38	
,2-Dichlorobenzene Chlorobenzene		ND ND MB MB	500 500				10/22/11 20:33	10/25/11 02:38	100
,2-Dichlorobenzene Chlorobenzene Surrogate		ND ND MB MB	500 500				10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38	100 100
I,2-Dichlorobenzene Chlorobenzene Surrogate I-Bromofluorobenzene		ND ND MB MB very Qualifier	500 500 Limits				10/22/11 20:33 10/22/11 20:33 <i>Prepared</i>	10/25/11 02:38 10/25/11 02:38 Analyzed	100 100 Dil Fac
,2-Dichlorobenzene Chlorobenzene Surrogate I-Bromofluorobenzene I,2-Dichloroethane-d4 (Surr)		ND ND MB MB very Qualifier 97	500 500 Limits 66 - 148				10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 Analyzed 10/25/11 02:38	100 100 Dil Fac 100
Analyte I, 2-Dichlorobenzene Chlorobenzene Surrogate I-Bromofluorobenzene I, 2-Dichloroethane-d4 (Surr) Foluene-d8 (Surr)	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137				10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 Analyzed 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38	100 100 Dil Fac 100 100
,2-Dichlorobenzene Chlorobenzene Surrogate I-Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Foluene-d8 (Surr) Lab Sample ID: LCS 720-1015	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137				10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 Analyzed 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control	100 100 <i>Dil Fac</i> 100 100 Sample
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) .ab Sample ID: LCS 720-1015 Matrix: Solid	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137				10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 Analyzed 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38	100 100 <i>Dil Fac</i> 100 100 Sample
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) .ab Sample ID: LCS 720-1015 Matrix: Solid	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137		ug/Kg		10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 Analyzed 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control	100 100 <i>Dil Fac</i> 100 100 50 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) ab Sample ID: LCS 720-1015 Matrix: Solid Analysis Batch: 101542	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137 65 - 141 Spike	LCS	ug/Kg LCS		10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33	10/25/11 02:38 10/25/11 02:38 <i>Analyzed</i> 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) ab Sample ID: LCS 720-1015 Matrix: Solid Analysis Batch: 101542	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137 65 - 141 Spike Added	LCS Result	ug/Kg	Unit	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) ab Sample ID: LCS 720-1015 Matrix: Solid unalysis Batch: 101542 nalyte ,2-Dichlorobenzene	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137 65 - 141 Spike Added 5000	LCS Result 5160	ug/Kg LCS	Unit ug/Kg	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits 67 - 126	100 100 <i>Dil Fac</i> 100 100 50 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) foluene-d8 (Surr) Lab Sample ID: LCS 720-1015 Matrix: Solid Analysis Batch: 101542 Malyte ,2-Dichlorobenzene	% Reco	ND ND MB MB very Qualifier 97 80	500 500 Limits 66 - 148 62 - 137 65 - 141 Spike Added	LCS Result	ug/Kg LCS	Unit	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA
,2-Dichlorobenzene hlorobenzene <i>urrogate</i> <i>Bromofluorobenzene</i> ,2-Dichloroethane-d4 (Surr) oluene-d8 (Surr) ab Sample ID: LCS 720-1015 flatrix: Solid unalysis Batch: 101542 nalyte 2-Dichlorobenzene	% Reco 75/2-A	ND ND MB MB very Qualifier 97 80 98	500 500 Limits 66 - 148 62 - 137 65 - 141 Spike Added 5000	LCS Result 5160	ug/Kg LCS	Unit ug/Kg	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits 67 - 126	100 100 <i>Dil Fac</i> 100 100 50 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) ab Sample ID: LCS 720-1015 Matrix: Solid Analysis Batch: 101542 analyte ,2-Dichlorobenzene chlorobenzene	% Reco 75/2-A 	ND ND MB MB very Qualifier 97 80 98	500 500 <u>Limits</u> 66 - 148 62 - 137 65 - 141 Spike Added 5000 5000	LCS Result 5160	ug/Kg LCS	Unit ug/Kg	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits 67 - 126	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA
,2-Dichlorobenzene Chlorobenzene Surrogate -Bromofluorobenzene ,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) .ab Sample ID: LCS 720-1015 Matrix: Solid Analysis Batch: 101542 .nalyte ,2-Dichlorobenzene chlorobenzene	% Reco 75/2-A LCS % Recovery	ND ND MB MB very Qualifier 97 80 98	500 500 <u>Limits</u> 66 - 148 62 - 137 65 - 141 Spike Added 5000 5000	LCS Result 5160	ug/Kg LCS	Unit ug/Kg	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits 67 - 126	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA
I,2-Dichlorobenzene Chlorobenzene Surrogate I-Bromofluorobenzene I,2-Dichloroethane-d4 (Surr)	% Reco 75/2-A 	ND ND MB MB very Qualifier 97 80 98	500 500 <u>Limits</u> 66 - 148 62 - 137 65 - 141 Spike Added 5000 5000	LCS Result 5160	ug/Kg LCS	Unit ug/Kg	10/22/11 20:33 10/22/11 20:33 Prepared 10/22/11 20:33 10/22/11 20:33 10/22/11 20:33 Client Sample II	10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 10/25/11 02:38 D: Lab Control Prep Type: T Prep Batch: % Rec. Limits 67 - 126	100 100 <i>Dil Fac</i> 100 100 100 Sample Total/NA

TestAmerica Job ID: 720-38238-1

4 5 6

7

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-10 Matrix: Solid)1575/3-A								Client	Sample ID: La	b Control S Prep Typ		1.
Analysis Batch: 101542											Prep Ba		
Analysis Batch: 101542				Spike		LCSD	LCSD				я Rec.		RPD
Analyte			-	Added		Result			Unit	D % Rec	Limits	RPD	Limit
1.2-Dichlorobenzene	- ;		· · ·	5000		5140	Quan		ug/Kg	<u> </u>	67 - 126	0	20
Chlorobenzene	· · · ·		÷.,	5000		5140			ug/Kg	103	81 - 128	1	20
				••••									
	L	CSD L	CSD										
Surrogate	% Reco	<u> </u>	ualifier	Limits									
4-Bromofluorobenzene		96		66 - 148									
1,2-Dichloroethane-d4 (Surr)		76		62 - 137									
Toluene-d8 (Surr)		99		65 - 141			·						
												41	Dia
Lab Sample ID: MB 720-1016	500/1-A									Client Sa	mple ID: Me		
Matrix: Solid											Prep Typ		
Analysis Batch: 101592			в мв	7							Prep Ba	tcn: 1	01600
Ameliate					DI .			- 14		Durante	A		D11 F
Analyte Mothyl tort, butyl ether	· · · · · · · · · · · · · · · · · · ·	Resu		r :	RL 5.0	IVII		nit	D	Prepared 10/25/11 08:26	Analyzed 10/25/11 09:	<u> </u>	Dil Fac
Methyl tert-butyl ether		N			5.0 50			g/Kg		10/25/11 08:26	10/25/11 09:		1
Acetone					50 5.0		-	g/Kg		10/25/11 08:26	10/25/11 09:		1
Benzene Dichlorobromomethane		N N			5.0 5.0			g/Kg g/Kg		10/25/11 08:26	10/25/11 09.		
		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		י 1
Bromobenzene		N N			20		-	g/Kg		10/25/11 08:26	10/25/11 09:		. 1
Chlorobromomethane		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
Bromoform		. N			9.9			g/Ng g/Kg		10/25/11 08:26	10/25/11 09:		1
Bromomethane		. N			9.9 50			g/Kg		10/25/11 08:26	10/25/11 09:		1
2-Butanone (MEK)		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		- 1
n-Butylbenzene sec-Butylbenzene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
tert-Butylbenzene		N	1		5.0		- 1 - E	g/Kg		10/25/11 08:26	10/25/11 09:		1
Carbon disulfide		N	a in the second		5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
Carbon tetrachloride		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:	1. A.	1
Chloroethane		N			9.9		-	g/Kg		10/25/11 08:26	10/25/11 09:		. 1
Chloroform		N	al and a second		5.0			g/Kg		10/25/11 08:26	10/25/11 09:		' 1
Chloromethane		N			9.9			g/Kg	•	10/25/11 08:26	10/25/11 09:		1
2-Chlorotoluene		N			5.0		-	g/Kg		10/25/11 08:26	10/25/11 09:		1
4-Chlorotoluene		N			5.0		-	g/Kg		10/25/11 08:26	10/25/11 09:		1
Chlorodibromomethane		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
1,2-Dichlorobenzene		. N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
1,3-Dichlorobenzene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		· 1
1,4-Dichlorobenzene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
1,3-Dichloropropane		N			5.0			g/Kg g/Kg		10/25/11 08:26	10/25/11 09:		· · 1
1,1-Dichloropropene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		' ' 1
1,2-Dibromo-3-Chloropropane		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
Ethylene Dibromide	·	N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		· · ·
Dibromomethane		N			9.9			g/Kg		10/25/11 08:26	10/25/11 09:	ti a sua	' 1
Dichlorodifluoromethane		N			9.9			g/Kg		10/25/11 08:26	10/25/11 09:		1
1,1-Dichloroethane		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
1,2-Dichloroethane		N			5.0			g/Kg	r	10/25/11 08:26	10/25/11 09:		1
1,1-Dichloroethene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		. 1
cis-1,2-Dichloroethene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
trans-1,2-Dichloroethene		Ň			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		
1,2-Dichloropropane		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		1
cis-1,3-Dichloropropene		N			5.0			g/Kg		10/25/11 08:26	10/25/11 09:		

TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-101600/1 Matrix: Solid	-A						Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 101592								Prep Batch	101600
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
rans-1,3-Dichloropropene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
Ethylbenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	•
Hexachlorobutadiene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	· ·
2-Hexanone	ND		50		ug/Kg		10/25/11 08:26	10/25/11 09:56	
sopropylbenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
4-Isopropyltoluene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
Methylene Chloride	ND		9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		10/25/11 08:26	10/25/11 09:56	
Naphthalene	ND		9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	
N-Propyibenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
Styrene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Fetrachloroethene	ND		5.0						
oluene					ug/Kg		10/25/11 08:26	10/25/11 09:56	1
and a second	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
,2,3-Trichlorobenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
,2,4-Trichlorobenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,2-Trichloroethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Trichloroethene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Trichlorofluoromethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
I,2,3-Trichloropropane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
,2,4-Trimethylbenzene	ND	•	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	· 1
,3,5-Trimethylbenzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	^{• •} 1
/inyl acetate	ND		50		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
/inyl chloride	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
(ylenes, Total	ND		9.9		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
,2-Dichloropropane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Basoline Range Organics (GRO) C5-C12	. ND		250		ug/Kg		10/25/11 08:26	10/25/11 09:56	. 1
BA	ND		9.9		ug/Kg	· · 4	10/25/11 08:26	10/25/11 09:56	1
DIPE	ND		5.0	-	ug/Kg		10/25/11 08:26	10/25/11 09:56	1
AME	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	. 1
thyl-t-butyl ether (ETBE)	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
hlorobenzene	ND		5.0					10/25/11 09:56	
	UND		5.0		ug/Kg		10/25/11 08:26	10/20/11 09:56	1
	MB	MB							
urrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Bromofluorobenzene	96	· · · ·	45 - 131		·		10/25/11 08:26	10/25/11 09:56	1
2-Dichloroethane-d4 (Surr)	103		60 - 140				10/25/11 08:26	10/25/11 09:56	1
oluene-d8 (Surr)	94		58 - 140				10/25/11 08:26	10/25/11 09:56	1

Lab Sample ID: LCS 720-101600/2-A

Matrix: Solid Analysis Batch: 101592

Analysis Batch: 101592								Batch: 101600)
	Spike	LCS	LCS				% Rec.		
Analyte	 Added	Result	Qualifier	Unit	• D	% Rec	Limits		
Methyl tert-butyl ether	49.6	51.4		ug/Kg		104	71 - 144		•
Acetone	248	175		ug/Kg		70	30 - 162		
Benzene	49.6	46.0		ug/Kg		93	77 - 113		

TestAmerica San Francisco 11/18/2011

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101600/2-A Matrix: Solid					Client Sample I		ntrol Sampl pe: Total/N
Analysis Batch: 101592							atch: 10160
	Spike	LCS	LCS			% Rec.	
Analyte	Added	Result	Qualifier	Unit	D % Rec	Limits	
Dichlorobromomethane	49.6	52.6		ug/Kg	106	86 - 131	
romobenzene	49.6	47.8		ug/Kg	96	88 - 120	
hlorobromomethane	49.6	48.0	•	ug/Kg	97	81 - 116	
Bromoform	49.6	55.4		ug/Kg	112	59 - 158	
Bromomethane	49.6	43.7		ug/Kg	88	59 - 132	
-Butanone (MEK)	248	227		ug/Kg	92	61 - 150	
-Butylbenzene	49.6	49.2		ug/Kg	99	80 - 142	
ec-Butylbenzene	49.6	47.2		ug/Kg	95	85 - 136	
art-Butylbenzene	49.6	47.8		ug/Kg	96	71 - 130	
arbon disulfide	49.6	41.9		ug/Kg	84	60 - 136	
arbon tetrachloride	49.6	50.0		ug/Kg	101	81 - 138	
hloroethane	49.6	46.6		ug/Kg	94	65 - 126	
hloroform	49.6	47.4		ug/Kg	96	77 - 127	
hloromethane	49.6	40.9		ug/Kg	82	60 - 149	1997 - 19
-Chlorotoluene	49.6	48.8		ug/Kg	98	80 - 138	
-Chlorotoluene	49.6	48.2		ug/Kg	97	79 - 136	
hlorodibromomethane	49.6	53.4		ug/Kg	108	75 - 146	
,2-Dichlorobenzene	49.6	48.0		ug/Kg	. 97	84 - 130	
3-Dichlorobenzene	49.6	. 47.8		ug/Kg	96	84 - 131	
4-Dichlorobenzene	49.6	48.0		ug/Kg	97	85 - 125	
3-Dichloropropane	49.6	53.0		ug/Kg	107	79 - 140	
1-Dichloropropene	49.6	47.6		ug/Kg	96	70 - 130	
2-Dibromo-3-Chloropropane	49.6	56.0		ug/Kg	113	68 - 145	
thylene Dibromide	49.6	55.0		ug/Kg	111	79 - 140	•
ibromomethane	49.6	51.4		ug/Kg	104	80 - 139	
ichlorodifluoromethane	49.6	34.5		ug/Kg	70	37 - 158	
1-Dichloroethane	49.6	46.8		ug/Kg	94	76 - 119	
2-Dichloroethane	49.6	49.4		ug/Kg	100	72 - 130	
1-Dichloroethene	49.6	41.1		ug/Kg	83	68 - 119	
s-1,2-Dichloroethene	49.6	53.4		ug/Kg	108	87 - 138	
ans-1,2-Dichloroethene	49.6	38.5		ug/Kg	78	67 _ 108	
,2-Dichloropropane	49.6	47.0		ug/Kg	95	73 - 127	
s-1,3-Dichloropropene	49.6	49.6		ug/Kg	100	68 - 147	
ans-1,3-Dichloropropene	49.6	52.8		ug/Kg	106	84 - 136	
thylbenzene	49.6	48.2		ug/Kg	97	80 - 137	
exachlorobutadiene	49.6	48.4		ug/Kg	98	72 - 132	
Hexanone	248	260		ug/Kg	105	60 - 161	
opropylbenzene	49.6	51.0		ug/Kg	103	88 - 128	
Isopropyltoluene	49.6	48.6		ug/Kg	98	85 - 133	
ethylene Chloride	49.6	46.0		ug/Kg	93	72 - 134	
Methyl-2-pentanone (MIBK)	248	270		ug/Kg	109	69 - 160	
aphthalene	49.6	52.4		ug/Kg	106	70 - 147	
Propylbenzene	49.6	46.2		ug/Kg	93	72 - 125	
iyrene	49.6	51.8		ug/Kg	104	89 - 126	
1,1,2-Tetrachloroethane	49.6	52.6		ug/Kg	104	90 - 130	
1,2,2-Tetrachloroethane	49.6	52.6		ug/Kg	100	82 - 146	
	49.6	47.6		ug/Kg	96	78 - 132	
etrachloroethene	49.6	47.6		ug/Kg	94	80 - 114	the first
bluene	49.6	40.4 50.6	a de agas	1	94 102	80 - 114 82 - 135	
2,3-Trichlorobenzene	43.0	50.Q		ug/Kg	102	02 - 100	*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-10160 Matrix: Solid	0/2-A				•			Clier	nt Sample I		ntrol Sample
Analysis Batch: 101592		1. 1. j									pe: Total/NA
Analysis Batch. 101592			Spike	,	LCS	LCS				» Prep В % Rec.	atch: 101600
Analyte			Added			Qualifier	Unit		D % Rec	Limits	
1,1,1-Trichloroethane			49.6	<u></u>	48.4		ug/Kg		98	80 - 127	· · · · · · · · · · · · · · · · · · ·
1,1,2-Trichloroethane			49.6		51.2		ug/Kg		103	82 - 125	(1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,
Frichloroethene			49.6		45.2		ug/Kg		91	81 - 133	
richlorofluoromethane			49.6		48.0		ug/Kg		97	71 - 139	
,2,3-Trichloropropane			49.6		55.4		ug/Kg		112	76 - 146	
1,1,2-Trichloro-1,2,2-trifluoroetha			49.6		47.4		ug/Kg		96	70 - 130	
10			•								
,2,4-Trimethylbenzene			49.6		48.6		ug/Kg		. 98	84 - 130	
,3,5-Trimethylbenzene			49.6		47.8		ug/Kg		96	82 - 131	
/inyl acetate			49.6	•	55.0		ug/Kg		111	38 - 176	
/inyl chloride	· · · · ·		49.6		41.1		ug/Kg		83	58 - 125	
n-Xylene & p-Xylene			99.2		102		ug/Kg		103	79 - 146	
-Xylene			49.6		48.2		ug/Kg		97	84 - 140	
,2-Dichloropropane			49.6		50.6		ug/Kg		102	73 - 162	
BA			992		994		ug/Kg		100	63 - 119	
DIPE			49.6		49.8		ug/Kg		100	83 - 131	
AME			49.6		50.6		ug/Kg		102	74 - 140	
thyl-t-butyl ether (ETBE)			49.6		46.8		ug/Kg	• • • • •	94	76 - 129	
Chlorobenzene			49.6		48.0		ug/Kg		97	82 - 114	
	LCS										
Surrogate	% Recovery	Qualifier	Limits								
Bromofluorobenzene	102		45 - 131								
,2-Dichloroethane-d4 (Surr)	105		60 - 140			. C .					
oluene-d8 (Surr)	96		58 - 140								

Lab Sample ID: LCS 720-1016	00/4-A				Client Sample I	D: Lab Control Sample
Matrix: Solid						Prep Type: Total/NA
Analysis Batch: 101592						Prep Batch: 101600
		Spike	LCS LCS	•		% Rec.
Analyte		Added	Result Qualifier	Unit	D % Rec	Limits
Gasoline Range Organics (GRO)		994	936	ug/Kg	94	61 - 128
-C5-C12						

	LC3 LC3	
Surrogate	% Recovery Qualifier	Limits
4-Bromofluorobenzene	103	45 - 131
1,2-Dichloroethane-d4 (Surr)	103	60 - 140
Toluene-d8 (Surr)	98	58 - 140

Lab Sample ID:	LCSD	720-101600/3-A
Matrix: Solid		

Analysis Batch: 101592

Analysis Batch: 101592						Prep B		01600
	Spike	LCSD	LCSD			% Rec.		RPD
Analyte	Added	Result	Qualifier U	nit D	% Rec	Limits	RPD	Limit
Methyl tert-butyl ether	 49.8	50.0	uç	g/Kg	100	71 - 144	3	20
Acetone	249	171	ug	J/Kg	69	30 - 162	2	. 30
Benzene	49.8	46.4	ug	/Kg	93	77 - 113	. 1	20
Dichlorobromomethane	49.8	51.0	ug	j/Kg	102	86 _ 131	3	20
Bromobenzene	49.8	49.8	uç	/Kg	100	88 - 120	4	20
Chlorobromomethane	49.8	48.0	ug	j/Kg	96	81 - 116	0	20
Bromoform	49.8	56.0	ug	j/Kg	112	59 ₋ 158	1.	20

TestAmerica San Francisco 11/18/2011

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

.ab Sample ID: LCSD 720-101600/3-A /latrix: Solid		• • •		Client	Samp	ole ID: La	ab Control Prep Ty		
Analysis Batch: 101592			· · · · ·					atch: 1	
	Spike	LCSD	LCSD				% Rec.		RPD
nalyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
romomethane	49.8	47.0	· · ·	ug/Kg		94	59 - 132	7	20
-Butanone (MEK)	249	233		ug/Kg		93	61 - 150	2	20
-Butylbenzene	49.8	52.2		ug/Kg		105	80 - 142	6	20
ec-Butylbenzene	49.8	50.4		ug/Kg		101	85 - 136	7	20
ert-Butylbenzene	49.8	51.2		ug/Kg		103	71 - 130	7	20
Carbon disulfide	49.8	42.8		ug/Kg		86	60 - 136	2	20
Carbon tetrachloride	49.8	49.8		ug/Kg		100	81 - 138	0	20
Chloroethane	49.8	48.4		ug/Kg		97	65 - 126	4	20
Chloroform	49.8	47.8	1. 1. 1. 2. 1.	ug/Kg		96	77 - 127	1	20
hloromethane	49.8	42.2		ug/Kg		85	60 - 149	3	20
-Chlorotoluene	49.8	51.2		ug/Kg		103	80 - 138	5	20
-Chlorotoluene	49.8	51.0		ug/Kg		102	79 - 136	6	20
chlorodibromomethane	49.8	53.0		ug/Kg		106	75 - 146	1	20
,2-Dichlorobenzene	49.8	49.8		ug/Kg		100	84 - 130	. 4	20
,3-Dichlorobenzene	49.8	50.0	· · ·	ug/Kg		100	84 - 131	4	20
,4-Dichlorobenzene	49.8	51.4		ug/Kg		103	85 - 125	7	20
,3-Dichloropropane	49.8	53.0		ug/Kg		106	79 - 140	0	20
,1-Dichloropropene	49.8	47.8		ug/Kg		96	70 - 130	<i></i>	20
,2-Dibromo-3-Chloropropane	49.8	58.6		ug/Kg		118	68 - 145	5	20
thylene Dibromide	49.8	54.2		ug/Kg		109	79 - 140	1	20
ibromomethane	49.8	51.6		ug/Kg		104	80 - 139	0	20
ichlorodifluoromethane	49.8	36.5		ug/Kg		73	37 - 158	5	20
	49.8	47.6		ug/Kg		96	76 - 119	2	20
,1-Dichloroethane	49.8	49.0		ug/Kg		98	72 - 130	- 1	
2-Dichloroethane	49.8	43.0		ug/Kg		85	68 - 119	3	20
,1-Dichloroethene	49.8	53.8		ug/Kg		108	87 - 138	1	. 20
s-1,2-Dichloroethene	49.8	39.8		ug/Kg		80	67 - 108	3	20
ans-1,2-Dichloroethene	49.8	47.6		ug/Kg		96	73 - 127	1	20
,2-Dichloropropane						° 100	68 - 147	0.	20
s-1,3-Dichloropropene	49.8	49.6	a an ga an sa	ug/Kg	÷ į į		84 - 136	0	20
ans-1,3-Dichloropropene	49.8	52.6		ug/Kg		106		2	20
thylbenzene	49.8	49.2		ug/Kg		99	80 - 137		
exachlorobutadiene	49.8	52.2		ug/Kg		105	72 - 132	.8	20
-Hexanone	249	259		ug/Kg		104	60 - 161	0	20
opropylbenzene	49.8	52.0		ug/Kg		104	88 - 128	2	20
Isopropyltoluene	49.8	51.4		ug/Kg		103	85 - 133	6	20
lethylene Chloride	49.8	46.2		ug/Kg		93	72 - 134	0	20
Methyl-2-pentanone (MIBK)	249	267		ug/Kg		107	69 - 160	1	20
aphthalene	49.8	54.0		ug/Kg		108	70 - 147	3	20
-Propylbenzene	49.8	48.2		ug/Kg		.97	72 - 125	4	20
tyrene	49.8	52.8		ug/Kg		106	89 - 126	2	20
1,1,2-Tetrachloroethane	49.8	53.2	· · · · · · · · · · · · · · · · · · ·	ug/Kg		107	90 - 130	1	20
1,2,2-Tetrachloroethane	49.8	53.2	<u>)</u>	ug/Kg	- 1	107	82 - 146	1	20
etrachloroethene	49.8	48.2		ug/Kg	;	97	78 - 132	1	20
oluene	49.8	47.8		ug/Kg		96	80 - 114	3	20
2,3-Trichlorobenzene	49.8	52.2		ug/Kg		105	82 - 135	3	20
2,4-Trichlorobenzene	49.8	51.8		ug/Kg		104	70 - 131	4	20
1,1-Trichloroethane	49.8	48.2		ug/Kg		97	80 - 127	0	20
1,2-Trichloroethane	49.8	51.0		ug/Kg		102	82 - 125	0	20
richloroethene	49.8	46.6		ug/Kg		94	81 133	3	20

TestAmerica Job ID: 720-38238-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Analysis Batch: 101592 USD	Lab Sample ID: LCSD 720-101 Matrix: Solid	600/3-A						Clier	nt Sample ID: L	ab Control Sa Prep Type	
Spike LCSD LCSD V, Rec. FR Linits RPD Linits <	Analysis Batch: 101592										
1.2.3-Friedbioropspane 49.8 65.6 ugKg 192 76.148 0 1.1.2-Tricthiorop1.2.2.4ffluoroctha 49.8 47.2 ugKg 102 84.130 5 1.2.4-Trinethylbename 49.8 51.0 ugKg 102 84.130 5 1.2.4-Trinethylbename 49.8 51.0 ugKg 102 84.130 5 1.3.5-Trinethylbename 49.8 51.0 ugKg 103 82.131 5 Vingl chorde 49.8 49.8 49.8 49.8 49.8 86.5 53.2 6 7 mxXpres & pXylene 49.8				Spike		LCSD	LCSD				RPD
1.1.2 - ficatoro 1.2.2 tribusore the reference of the refere	Analyte	· .		Added		Result	Qualifier	Unit	D % Rec	Limits R	PD Limit
no 12.4-Trinethylbenzene 49.6 51.0 ug/kg 102 84.130 5 13.6-Trinethylbenzene 49.8 50.2 ug/kg 101 82.131 5 13.6-Trinethylbenzene 49.8 50.2 ug/kg 101 82.131 5 Vinyl coloride 49.8 54.8 ug/kg 108 58.125 6 m.Xjene & S.Xjene 39.6 104 ug/kg 105 76.46 3 2 Chichcompopane 49.8 45.2 ug/kg 102 76.162 1 DIPE 49.8 50.0 ug/kg 100 83.131 0 2 Chichebrzene 49.8 47.0 ug/kg 96 82.114 2 2 Surragete X Recovery Gualifier Linits 49.8 49.0 ug/kg 96 82.114 2 2 Surragete X Recovery Gualifier Linits 4.20 2 59.140 2 59.140 2 50	1,2,3-Trichloropropane			49.8		55.6		ug/Kg		76 - 146	0 20
1.2.4-Trimetryblenzene 49.8 51.0 ug/kg 102 84.100 5 Viny lacettale 49.8 50.2 ug/kg 101 82.131 5 Viny lacettale 49.8 50.2 ug/kg 101 82.131 5 5 Viny lacettale 49.8 54.8 ug/kg 101 82.131 5 5 Viny lacettale 49.8 43.8 ug/kg 103 73.162 1 x/lene & pykine 49.8 49.2 ug/kg 103 73.162 1 2 2 DIPE 49.8 49.0 ug/kg 102 63.131 0 2 2 DIPE 49.8 49.0 ug/kg 96 1020 83.131 0 2 2 2 Chorobenzene 49.8 49.0 ug/kg 98 2.14 2 2 2 Alexonditionebane-04 (Surr) 101 60.140 107 104 107 104 107 104 102 12 102 102 102 102 10	1,1,2-Trichloro-1,2,2-trifluoroetha			49.8		47.2		ug/Kg	95	70 - 130	0 20
1.3.5 Trimethylenzane 49.8 50.2 up/g 101 82.131 5 Vinyl acotate 49.8 54.8 up/g 100 38.176 0 Vinyl chorade 49.3 4.8 up/g 100 38.176 0 m.Xylene 99.6 104 up/g 105 76.146 3 2.2.OEIntropopane 49.8 51.2 up/g 100 83.131 0 2.2.OEIntropopane 49.8 50.0 up/g 102 63.119 2 1 DIPE 49.8 40.0 up/g 96 10.0 83.131 0 2 DIPE 49.8 40.0 up/g 96 82.114 2 2 Choroberzene LCSD LSD LSD Up/g 96 82.114 2 2 Sumogate X.Recovery Qualifier Linits 45.5131 1.2 2 2 LCSD LCSD Spike LCSD LCSD Spike LCSD LCSD Keevery Control Sample Dic % Recovery Control Sample Dic Lab Sample ID: LCSD 720-1016											
Implementation 43.8 54.8 ug/Kg 110 38.176 0 1 Vinji chloridie 43.8 43.8 ug/Kg 88 58.125 6 1 winji chloridie 49.8 49.2 ug/Kg 99 64.140 2 2 c-Xjene 49.8 49.2 ug/Kg 100 83.131 0 2 2 Z-Dichloropropane 49.8 50.0 ug/Kg 99 64.140 2 2 2 110 0 53.111 0 2 2 12 110 0 2 110 0 2 110 110 0 110 0 110 110 0 1100 110 110	- · · · · · · · · · · · · · · · · · · ·										
Vinyi chlonide m.Xylene 49.8 43.8 ug/Kg 88 58.125 6 1 c.Xylene 99.6 104 ug/Kg 105 79.146 3 <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>- A - 1</td>	1										- A - 1
m.Xylene & yylene 99.6 104 ug/tg 105 79.146 3 2 c.Xylene 49.8 42.2 ug/tg 99 64.140 2 2 Z.20Ch10ropropane 49.8 51.2 ug/tg 102 63.119 2 2 DIPE 49.8 50.0 ug/tg 102 63.119 2 2 DIPE 49.8 48.4 ug/tg 97 74.140 4 2 2 Ethyt-budy lefter (ETBE) 49.8 47.0 ug/tg 98 82.114 2 2 2 Chorobenzane 107 45.131 1 2											
6-Xjele 48.8 49.2 ug/kg 99 84.140 2 2 22-Dichloropogane 49.8 51.2 ug/kg 102 1 2 1 DIPE 49.8 50.0 ug/kg 100 83.119 2 2 DIPE 49.8 60.0 ug/kg 100 83.119 2 2 DIPE 49.8 60.0 ug/kg 100 83.131 0 2 2 Chirobenzene 49.8 49.0 ug/kg 98 82.114 2 2 Surrogate X Recovery Qualifier Limits 4 2 2 2 L2Dichlorebinane-df (Surr) 97 58.140 2 2 2 2 L2Di LCSD 78 101 60.140 7 94 61.128 0 2 L2Di Chorebinane-df (Surr) 97 58.140 2 32 ug/kg 94 61.128 0 2 Cicst											
2.2.Dichloropropane 49.8 51.2 ug/kg 103 79.162 1 2 TBA 999 1020 ug/kg 100 65.119 2 2 DIPE 49.8 50.0 ug/kg 100 65.119 2 2 TAME 49.8 49.8 48.4 ug/kg 97 74.140 4 2 Ethyl-bulyl ether (ETBE) 49.8 47.0 ug/kg 94 76.129 0 2 Surrogate % Recovery Qualifier Limits 45.131 1.2.Dichlorosthane-dr (Surr) 101 65.140 2 2 Lab Sample ID: LCSD 720-101600/5-A Added Result Qualifier Units Prop Type: Total/N Analyte Added Result Qualifier Units 92 932 94 61.128 0 2 Cisc 12 LCSD LCSD LCSD LCSD Units PA PA 10.128 0 2 Gasoline Ran											
TBA 996 1020 ug/Kg 102 63.119 2 2 DIPE 49.8 50.0 ug/Kg 100 83.131 0 2 2 DIPE 49.8 60.0 ug/Kg 100 83.131 0 2 2 Ettlyl-Louly letter (ETEE) 49.8 49.0 ug/Kg 94 76.129 0 2 Chiorobanzane 101 45.131 1 2 2 2 L2SD LCSD Surrogate % Recovery Qualifier Limits 4 2 </td <td></td>											
DIPE 49.8 50.0 ug/kg 100 83.131 0 2 TAME 49.8 48.4 ug/kg 97 74.140 4 2 0 5 0 2 0 5 0 2 0 2 0 2 0 2 0 2 0 2 0 0 83.131 0 2 0 2 0 2 0 2 0 0 64.8 49.0 ug/kg 97 74.140 4 2 0											
TME 49.8 48.4 ug/kg 97 74.140 4 2 Ethyl-bulyl ether (ETBE) 49.8 47.0 ug/kg 98 82.114 2 2 Chlorobenzene 49.8 49.0 ug/kg 98 82.114 2 2 Surgate % Recovery Qualifier Limits 49.8 49.0 ug/kg 98 82.114 2 2 LCSD LCSD LCSD LCSD Variants 49.8 49.0 ug/kg 98 82.114 2 2 Jachchorestnane-d4 (Surr) 101 40.140 Prep Type: Total/M 7 758.140 Prep Type: Total/M Lab Sample ID: LCSD 720-101600/5-A Kated Result Qualifier Wrep Type: Total/M Prep Type: Total/M Analyte Added Result Qualifier Unit M Rec Recovery Qualifier Krep Limits Gasoline Range Organics (GRO) 92 932 ug/kg 94 61.128 0 2 LCSD LCSD LCSD LCSD Surgate Krep Recovery Qualifier Limits Prep Type: Siliad Gel Cleanup <											
Ethyl-Lbukyl ether (ETBE) 49.8 47.0 ug/kg 94 76.122 0 2 Chlorobenzene 49.8 49.0 ug/kg 98 82.114 2 2 LCSD LCSD LCSD LCSD LCSD LCSD 49.8 49.0 ug/kg 98 82.114 2 2 LCSD LCSD Surrogate % Recovery Qualifier Limits 1.3 2.0 2 1.4 2											
Chlorobenzene 49.8 49.0 ug/Kg 98 52.114 2 2 LCSD LCSD Surrogate % Recovery Qualifier Limits 4-Bromoliuorobenzene 101 45.131 1 2 0 7 5 1 1 2 0 1 0 2 1 0 2 1 0 2 1 0 2 1 0 1 0 1 1 1 1 1 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td>								,			
LCSD LCSD Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 101 45. 131 1.2-Dichtorobume-d4 (Surr) 101 60. 140 Toluene-d8 (Surr) 97 58. 140 Lab Sample ID: LCSD 720-101600/5-A Client Sample ID: Lab Control Sample Du Matrix: Solid Prep Type: Total/N Analysis Batch: 101592 % Rec. Rep Analysis Batch: 101592 % Rec. Rep Analysis Batch: 101592 % Rec. Rep LCSD LCSD LCSD % Rec. Rep Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61. 128 0 2 Surrogate % Recovery Qualifier Limits 11 12.20-bichonorbane-24 (Surr) 100 60. 140 Toluene-d8 (Surr) 96 58. 140 Client Sample ID: Method Blan Method: 8015B - Diesel Range Organics (DRO) (GC) Client Sample ID: Method Blan Lab Sample ID: MB 720-101612/1-A MB MB MB Matrix: Solid MB MB MB Dised Range Organics (C10-C28)<											
Surrogate % Recovery 101 Qualifier 45.131 Limits 45.131 1.2-Dichloroethane-d4 (Surr) 101 60.140 Chiene-d8 (Surr) 97 58.140 Lab Sample ID: LCSD 720-101600/5-A Matrix: Solid Analyte Client Sample ID: Lab Control Sample Du Prep Type: Total/N. Prep Batch: 10160 Analyte Added Resul Qualifier Unit D % Rec. Reparent Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61.128 0 2 Surrogate % Recovery 4-Bromofluorobenzene Qualifier Limits 45.131 1 2 2 Surrogate % Recovery 96 58.140 Client Sample ID: Method Blam Prep Type: Silica Gel Cleanup Prep Type: Silica Gel Cleanup Prep Type: Silica Gel Cleanup Prep Batch: 10161 Client Sample ID: Method Blam Prep Type: Silica Gel Cleanup Prep Batch: 10161 Analyte Result Qualifier Result MB 1025/11 10.07 1025/11 10.07 1025/11 10.07 Analyte Result Qualifier Result ML ML D Prepared Analyzet Dil Fa Diesel Range Orga	Chlorobenzene			49.8		49.0		ug/Kg	98	82 - 114	2 20
Surrogate % Recovery 101 Qualifier 45.131 Limits 45.131 1.2-Dichloroethane-d4 (Surr) 101 60.140 Chiene-d8 (Surr) 97 58.140 Lab Sample ID: LCSD 720-101600/5-A Matrix: Solid Analyte Client Sample ID: Lab Control Sample Du Prep Type: Total/N. Prep Batch: 10160 Analyte Added Resul Qualifier Unit D % Rec. Reparent Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61.128 0 2 Surrogate % Recovery 4-Bromofluorobenzene Qualifier Limits 45.131 1 2 2 Surrogate % Recovery 96 58.140 Client Sample ID: Method Blam Prep Type: Silica Gel Cleanup Prep Type: Silica Gel Cleanup Prep Type: Silica Gel Cleanup Prep Batch: 10161 Client Sample ID: Method Blam Prep Type: Silica Gel Cleanup Prep Batch: 10161 Analyte Result Qualifier Result MB 1025/11 10.07 1025/11 10.07 1025/11 10.07 Analyte Result Qualifier Result ML ML D Prepared Analyzet Dil Fa Diesel Range Orga		LCSD LC	SD								
4-Bromofluarobenzene 101 45. 131 1,2-Dichloroefhane.dk (Surr) 101 60. 140 Toluene-d8 (Surr) 97 58. 140 Lab Sample ID: LCSD 720-1016600/5-A Matrix: Solid Client Sample ID: Lab Control Sample Du Prep Type: Total/N Prep Etach: 101592 Analysis Batch: 101592 Prep Etach: 10160 Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61. 128 0 2 CSD LCSD Spike LCSD LCSD % Rec. RP Surrogate % Recovery Qualifier Limits 45. 131 1.2.2.0chloroethane-d4 (Surr) 100 60. 140 Toluene-d8 (Surr) 96 58. 140 Se. 140 Se. 140 Se. 140 Wethod: 8015B - Diesel Range Organics (DRO) (GC) Client Sample ID: Method Blan Prep Batch: 10161 Lab Sample ID: MB 720-101612/1-A Matrix: Solid MB MB Prep Batch: 10161 Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Diesel Range Organics (C10-C28) ND 0.99 mg/Kg	Surrogate			Limits							
1,2-Dichloroethane-d4 (Surr) 101 60. 140 Toluene-d8 (Surr) 97 58. 140 Lab Sample ID: LCSD 720-101600/5-A Client Sample ID: Lab Control Sample Du Matrix: Solid Prep Type: Total/NL Analysis Batch: 101592 Prep Type: Total/NL Analyte Added Result Qualifier Unit D % Rec RP Casoline Range Organics (GRO) 992 932 ug/Kg 94 61. 128 0 2 Casoline Range Organics (GRO) 992 932 ug/Kg 94 61. 128 0 2 Surrogate % Recovery Qualifier Limits 100 60. 140 2 Toluene-d8 (Surr) 100 60. 140 0 0 2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>										1	
Toluene-d8 (Surr) 97 58.140 Lab Sample ID: LCSD 720-101600/5-A Matrix: Solid Analysis Batch: 101592 Client Sample ID: Lab Control Sample Du Prep Type: Total/N. Prep Batch: 10160 Analyte Spike LCSD LCSD Prep Type: Total/N. Prep Batch: 10160 Analyte Added Result Qualifier Unit D % Rec. RPD Lim Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61.128 0 2 CSC-C12 LCSD LCSD LCSD LSSD	1,2-Dichloroethane-d4 (Surr)	101								10 T.1	
Lab Sample ID: LCSD 720-101600/5-A Matrix: Solid Client Sample ID: Lab Control Sample Du Prep Type: Total/N. Prep Batch: 101592 Analyte Spike LCSD % Rec. RP Analyte Added Result Qualifier Unit D % Rec. RP CSD USD 992 932 ug/Kg 94 61-128 0 2 CSC-C12 LCSD LCSD LCSD LCSD LCSD LCSD 2 Surrogate % Recovery Qualifier Limits 100 60-140 2 Toluene-d8 (Surr) 100 60-140 58-140 Prep Type: Slica Gel Cleanu Prep Type: Slica Gel Cleanu Analysis Batch: 101588 MB Elient Sample ID: MB 720-101612/1-A Client Sample ID: Method Blant Analysis Batch: 101588 MB Prep Type: Slica Gel Cleanu Prep Type: Slica Gel Cleanu Analyse Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 Mit Fa Met MB <td></td>											
Analyte Added Result Qualifier Unit D % Rec Limits RPD Limits Gasoline Range Organics (GRO) 992 932 932 932 94 61-128 0 2 -C5-C12 LCSD LCSD LCSD LSD 50 61-128 0 2 Surrogate % Recovery Qualifier Limits 45-131 1,2-Dichloroethane-d4 (Surr) 100 60-140 Toluene-d8 (Surr) 96 58.140 58.140 Client Sample ID: Mb 720-101612/1-A Method: 8015B - Diesel Range Organics (DRO) (GC) MB MB Prep Type: Silica Gel Cleanup Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 Dil Fa Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 Dil Fa Surrogate % Recovery Qualifier Limits 0.1 0.1 10/25/11 20:58 Dil Fa </th <th></th> <th></th> <th></th> <th>Snike</th> <th></th> <th>LCSD</th> <th>LCSD</th> <th></th> <th></th> <th>Prep Batc</th> <th></th>				Snike		LCSD	LCSD			Prep Batc	
Gasoline Range Organics (GRO) 992 932 ug/Kg 94 61.128 0 2 C5-C12 LCSD LCSD LCSD Qualifier Limits 0 2 0 10 2 0	Analyte			•				linit			
-C5-C12 LCSD LCSD Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 103 45 - 131 1,2-Dichloroethane-d4 (Surr) 100 60 - 140 Toluene-d8 (Surr) 96 58 - 140 Method: 8015B - Diesel Range Organics (DRO) (GC) Lab Sample ID: MB 720-101612/1-A Matrix: Solid Analysis Batch: 101588 MB MB Analyte Result Qualifier RL MDL Unit D Prep Type: Silica Gel Cleanul Prep Batch: 10161 Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB Surrogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa MB MB Surrogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·									
Surrogate % Recovery Qualifier Limits 4-Bromofluorobenzene 103 45 - 131 1,2-Dichloroethane-d4 (Surr) 100 60 - 140 Toluene-d8 (Surr) 96 58 - 140 Method: 8015B - Diesel Range Organics (DRO) (GC) Lab Sample ID: MB 720-101612/1-A Client Sample ID: Method Bland Matrix: Solid Prep Type: Silica Gel Cleanul Analysis Batch: 101588 MB Matrix: Solid ND Analyte Result Qualifier RL Diesel Range Organics [C10-C28] ND ND 0.99 mg/Kg 10/25/11 10:07 MB MB Motor Oil Range Organics [C24-C36] ND MB MB Surrogate % Recovery Qualifier Limits Capric Acid (Surr) 0.02 Qualifier Limits OL 10/25/11 10:07 10/25/11 10:07 10/25/11 20:58			_			002		-9119	~	ST- 120	J 20
4-Bromofluorobenzene 103 45.131 1,2-Dichloroethane-d4 (Surr) 100 60.140 Toluene-d8 (Surr) 96 58.140 Method: 8015B - Diesel Range Organics (DRO) (GC) Lab Sample ID: MB 720-101612/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Silica Gel Cleanul Analysis Batch: 101588 Prep Batch: 10161 MB MB Analyte Result Qualifier RL MDL D Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB MB MB Surrogate Analyzed Dil Fa Capric Acid (Surr) 0.02 0.1 10/25/11 10:07 10/25/11 20:58											
1,2-Dichloroethane-d4 (Surr) 100 60 - 140 Toluene-d8 (Surr) 96 58 - 140 Method: 8015B - Diesel Range Organics (DRO) (GC) Lab Sample ID: MB 720-101612/1-A Matrix: Solid Client Sample ID: Method Blant Prep Type: Silica Gel Cleanul Prep Batch: 101588 Analysis Batch: 101588 MB Prepared Analyzed Dil Fa Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB MB MB MB 10/25/11 10:07 10/25/11 20:58 Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB MB MB 10/25/11 10:07 10/25/11 20:58 10/25/11 20:58 MB MB MB 10/25/11 10:07 10/25/11 20:58 10/25/11 20:58			alifier								
Toluene-d8 (Surr) 96 58.140 Method: 8015B - Diesel Range Organics (DRO) (GC) Client Sample ID: MB 720-101612/1-A Client Sample ID: Method Blant Lab Sample ID: MB 720-101612/1-A Client Sample ID: Method Blant Prep Type: Silica Gel Cleanul Analysis Batch: 101588 MB Prep Batch: 101612 Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fa Diesel Range Organics [C10-C28] ND 0.99 mg/Kg 10/25/11 10:07 10/25/11 20:58 Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB MB MB MB MB MB Surrogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa Capric Acid (Surr) 0.02 0.1 Client Sample ID: Method Blant Prepared Analyzed Dil Fa											1
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Matrix: Solid Analysis Batch: 101588Prep Type: Silica Gel Cleanul Prep Batch: 10161MBMBPrep Batch: 10161AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FaDiesel Range Organics [C10-C28]ND0.99mg/Kg10/25/11 10:0710/25/11 20:58Dil FaMotor Oil Range Organics [C24-C36]ND50mg/Kg10/25/11 10:0710/25/11 20:58MsSurrogateWRQualifierLimitsPreparedAnalyzedDil FaCapric Acid (Surr)0.020.10.110/25/11 10:0710/25/11 20:58Dil Fa	Method: 8015B - Diesel Rar	nge Organics	(DRO)	(GC)							
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AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FaDiesel Range Organics [C10-C28]ND0.99mg/Kg10/25/11 10:0710/25/11 20:58Dil FaMotor Oil Range Organics [C24-C36]ND50mg/Kg10/25/11 10:0710/25/11 20:58Dil FaMBBurrogate% RecoveryQualifierLimitsPreparedAnalyzedDil FaCapric Acid (Surr)0.020-110/25/11 10:0710/25/11 20:58Dil Fa	Analysis Batch: 101588		MD							Prep Batch	n: 101612
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Motor Oil Range Organics [C24-C36] ND 50 mg/Kg 10/25/11 10:07 10/25/11 20:58 MB MB MB Envirogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa Capric Acid (Surr) 0.02 0 - 1 0 - 1 10/25/11 10:07 10/25/11 20:58	the second s			· · · ·		ML		D			Dil Fac
MB MB Surrogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa Capric Acid (Surr) 0.02 0 - 1 10/25/11 10:07 10/25/11 20:58											. 1
Surrogate % Recovery Qualifier Limits Prepared Analyzed Dil Fa Capric Acid (Surr) 0.02 0 - 1 10/25/11 10:07 10/25/11 20:58 Dil Fa	Motor OII Range Organics [C24-C36]	ND	,		50		mg/Kg		10/25/11 10:07	10/25/11 20:58	1
Capric Acid (Surr) 0.02 0 - 1 10/25/11 10:07 10/25/11 20:58		MB	MB								
Capric Acid (Surr) 0.02 0 - 1 10/25/11 10:07 10/25/11 20:58	Surrogate	% Pecover	Qualifier	Lim	ita				Prenared	Analyzod	Dil Fac
		70 Recovery	Quanner	- LIII	1115				ricparca	Allaly200	
p-Terphenyl 93 38 148 10/25/11 10:07 10/25/11 20:58	Capric Acid (Surr)										1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-1016	12/2-A							Clie	nt S	Sample	ID: Lab Co	ontrol Sa	ample
Matrix: Solid										Prep T	ype: Silica	a Gel Cle	eanup
Analysis Batch: 101588							· · · ·				Prep I	Batch: 1	01612
			Spike		LCS	LCS					% Rec.		• •
Analyte			Added		Result	Qualifier	Unit		D	% Rec	Limits	· · · · ·	
Diesel Range Organics			82.8		51.5		mg/Kg			62	50 - 150		
[C10-C28]													
	LCS	1.05	1 ¹			· · ·							
Surrogate	% Recovery		Limits										
Junoyale	70 Recovery	Quanner											
n Tombonyl	104		.38 _ 148										
p-Terphenyl	104		38 - 148							·			
			38 - 148				Clie	ent Sa	amp	ole ID: L	ab Contro	l Sampl	e Dup
Lab Sample ID: LCSD 720-101			38 - 148				Clie	ent Sa	amp		ab Contro ype: Silica		
p-Terphenyl Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588			38 - 148				Clie	ent Sa	amp		ype: Silica		eanup
Lab Sample ID: LCSD 720-101 Matrix: Solid					LCSD	LCSD	Clie	ent Sa	amp		ype: Silica	a Gel Cle	eanup 01612
Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588			38 - 148 Spike Added			LCSD Qualifier	Clie	ent Sa	amp D		ype: Silica Prep l	a Gel Cle	eanup 01612 RPD
Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588 _{Analyte}		· · · · · · · · · · · · · · · · · · ·	Spike			1. J.		ent Sa		Prep T	ype: Silica Prep I % Rec.	a Gel Cle Batch: 1	eanup
Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588 Analyte Diesel Range Organics		· · · · · · · · · · · · · · · · · · ·	Spike Added		Result	1. J.	Unit	ent Sa		Prep T	ype: Silica Prep I % Rec. Limits	a Gel Cle Batch: 1 	eanup 01612 RPD Limit
Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588 Analyte Diesel Range Organics	1612/3-A		Spike Added		Result	1. J.	Unit	ent Sa		Prep T	ype: Silica Prep I % Rec. Limits	a Gel Cle Batch: 1 	eanup 01612 RPD Limit
Lab Sample ID: LCSD 720-101 Matrix: Solid Analysis Batch: 101588 Analyte Diesel Range Organics [C10-C28]	1612/3-A	LCSD	Spike Added 82.7	-	Result	1. J.	Unit	ent Sa		Prep T	ype: Silica Prep I % Rec. Limits	a Gel Cle Batch: 1 	eanup 01612 RPD Limit
Lab Sample ID: LCSD 720-101	1612/3-A		Spike Added		Result	1. J.	Unit	ent Sa		Prep T	ype: Silica Prep I % Rec. Limits	a Gel Cle Batch: 1 	eanup 01612 RPD Limit

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

GC/MS VOA

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bato
720-38238-2	SUMP-EXS-4-8	Total/NA	Solid	8260B/CA_LUFT	10138
				MS	
₋ CS 720-101388/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10138
-CS 720-101388/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10138
CSD 720-101388/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT	10138
CSD 720-101388/5-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	10138
/ B 720-101388/1-A	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	10138
				MS	
ep Batch: 101388					
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bate
20-38238-2	SUMP-EXS-4-8	Total/NA	Solid	5035	
CS 720-101388/2-A	Lab Control Sample	Total/NA	Solid	5035	
CS 720-101388/4-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 720-101388/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
CSD 720-101388/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
/B 720-101388/1-A	Method Blank	Total/NA	Solid	5035	
	Metrod Dialix	TOGMINA	5010	3033	
alysis Batch: 101542					
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bate
20-38238-1	SUMP-EXS-3-8	Total/NA	Solid	8260B/CA_LUFT MS	10157
20-38238-2	SUMP-EXS-4-8	Total/NA	Solid	8260B/CA_LUFT MS	10157
CS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	10157
CSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	10157
IB 720-101575/1-A	Method Blank	Total/NA	Solid	MS 8260B/CA_LUFT	1015
				MS	-
ep Batch: 101575				9	
ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Bate
20-38238-1	SUMP-EXS-3-8	Total/NA	Solid	5035	
20-38238-2	SUMP-EXS-4-8	Total/NA	Solid	5035	
CS 720-101575/2-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 720-101575/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
IB 720-101575/1-A	Method Blank	Total/NA	Solid	5035	
alysis Batch: 101592					
ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Bate
20-38238-1	SUMP-EXS-3-8	Total/NA	Solid	8260B/CA_LUFT	10160
CS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	MS	10160
00.20 101000/2-A	Las control outripio	I Otdiri Wh	Cond	8260B/CA_LUFT MS	10100
CS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	10160
CSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	10160

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

GC/MS VOA (Continued)

· · · · · · · · · · · · · · · · · · ·	QC Associati	on Summary			
lient: AMEC Geomatrix				TestAmerica Job ID:	720-38238-1
roject/Site: Crown Chev	rolet	•			
GC/MS VOA (Contin	ued)		•		
analysis Batch: 101592 ((Continued)				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 720-101600/1-A	Method Blank	Total/NA	Solid	8260B/CA LUFT	101600
				MS -	
nam Databa 404600					
Prep Batch: 101600					х. х. т. х. т.
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38238-1	SUMP-EXS-3-8	Total/NA	Solid	5035	
LCS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-101600/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101600/1-A	Method Blank	Total/NA	Solid	5035	
SC Semi VOA					
analysis Batch: 101588					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCS 720-101612/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	101612
LCSD 720-101612/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	101612
MB 720-101612/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	101612
rep Batch: 101612		•			
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38238-1	SUMP-EXS-3-8	Silica Gel Cleanup	Solid	3546	•
720-38238-2	SUMP-EXS-4-8	Silica Gel Cleanup	Solid	3546	
LCS 720-101612/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-101612/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-101612/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	
naluaia Datahu 404000					
nalysis Batch: 101683					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38238-1	SUMP-EXS-3-8	Silica Gel Cleanup	Solid	8015B	101612
720-38238-2	SUMP-EXS-4-8	Silica Gel Cleanup	Solid	8015B	101612

TestAmerica Job ID: 720-38238-1

Client Sample ID: SUMP-EXS-3-8 Date Collected: 10/20/11 09:25 Date Received: 10/20/11 16:30

Lab Sample ID: 720-38238-1 Matrix: Solid

Lab Sample ID: 720-38238-2

Matrix: Solid

2

4 5 6

	1999 - E.	Batch	Batch		Dilution	Batch	Prepared		
Pi	гер Туре	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
To	otal/NA	Prep	5035			101575	10/22/11 20:33	LL	TAL SF
то	otal/NA	Analysis	8260B/CA_LUFTMS		100	101542	10/25/11 06:47	YΒ	TAL SF
тс	otal/NA	Prep	5035	· 		101600	10/20/11 17:30	JZ	TAL SF
To	otal/NA	Analysis	8260B/CA_LUFTMS		1	101592	10/25/11 13:52	LL	TAL SF
Si	lica Gel Cleanup	Prep	3546			101612	10/25/11 10.07	MP	TAL SF
Si	lica Gel Cleanup	Analysis	8015B		1	101683	10/26/11 11:26	DH	TAL SF

Client Sample ID: SUMP-EXS-4-8 Date Collected: 10/20/11 11:40

Date Received: 10/20/11 16:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
Total/NA	Prep	5035			101388	10/20/11 17:30	JZ	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		1	101362	10/21/11 14:38	AC	TAL SF
Tota!/NA	Prep	5035			101575	10/22/11 20:33	LL	TAL SF
Total/NA	Analysis	8260B/CA_LUFTMS		100	101542	10/25/11 07:18	YB	TAL SF
Silica Gel Cleanup	Prep	3546			101612	10/25/11 10:07	MP	TAL SF
Silica Gel Cleanup	Analysis	8015B		1	101683	10/26/11 11:49	DH	TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

				· · · · · · · · · · · · · · · · · · ·
Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS	SW846	TAL SF
S			
8015B	Diesel Range Organics (DRO) (GC)	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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38238-1

Lab Sample ID	Client Sample ID		Matrix	Collected	Received
720-38238-1	SUMP-EXS-3-8	• • • • • • • • • • • • • • • • • • •	Solid	10/20/11 09:25	10/20/11 16:30
720-38238-2	SUMP-EXS-4-8		Solid	10/20/11 11:40	10/20/11 16:30

- N M 4 U W N M D 2 1 2 2 2 2 2	
	OF CUSTODY FORM 1344510
Lab: Test America Suite 200 Petaluma, CA 94954 Samplers: (707) 793-3800	Haely young amec
Job Number: 0010160070.00005 100.38	<u>888</u>
Name/Location: Crown Chevrolet Sump Remediation	n, Dublin CA ANALYSIS REQUESTED
Project Manager: <u>Avery Patton</u> Recorder:	Willing Required with the second seco
MATRIX # DATE	STATION DESCRIPTION
SAMPLE NUMBER YR MO DAY TIME	
X 1 1250mp-EXS-3-81110200925 X 1 1250mp-EXS-4-81110201140	XXXX
ADDITIONAL INFORMATION	
REPORT TO: Aveny Patton PO#:	Relinquisted B(Isignature) (PrintName) (Company) (Date/Time) T. Stitt TASF 10/20/11 (510
TAT: <u>Standard</u> Comments: Field Filtered Y/N	Received By (Signature): (Print Name) (Company) (Date/Time) T. Shift TASE Dao/11 1630
	Relinquished By (Signature) (Print Name) (Company) (Date/Time) DTM Hulen Hulen (D-D-1) Received By (Signature): (Print Name) (Company) (Date/Time)
	Received By (Signature): (Print Name) (Compañý) (Date/Time) Relinquished By (Signature) (Print Name) (Company) (Date/Time)
	Received By (Signature): (Print Name) (Company) (Date/Time)
	Method of Shipment: 1.8°C
White - Laboratory Copy Yellow - Project Office	Copy Pink - Field or Office Copy F1008-E

Login Sample Receipt Checklist

Client: AMEC Geomatrix Inc.

Job Number: 720-38238-1

Login Number: 38238 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	
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	1.8
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 sample IDs on the containers 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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in liameter.	True	
Aultiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

List Source: TestAmerica San Francisco

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38313-1 Client Project/Site: Crown Chevrolet

For: AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Alenaf Sal D

LINKS

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Expert

Authorized for release by: 11/7/2011 3:59:41 PM

Afsaneh Salimpour Project Manager I afsaneh.salimpour@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 Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38313-1

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
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: 720-38313-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38313-1

Comments No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA No other analytical or quality issues were noted.

GC VOA No analytical or quality issues were noted.

GC Semi VOA No other analytical or quality issues were noted.

Organic Prep No analytical or quality issues were noted.

Detection Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

Client Sample ID: FEPIT-EXS-7-6

Client Sample ID: FEPIT-EXS-7-6				· · ·	1. t.	· . · ·	L	ab	Sample ID	720-38313-1
Analyte	Result	Qualifier		RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре
Chlorobenzene	5.6		· · · ·	4.3		ug/Kg	1		8260B/CA_LUF	TM Total/NA
2-Chlorotoluene	17			4.3		ug/Kg	1		8260B/CA_LUF	TM Total/NA
Diesel Range Organics [C10-C28]	1.1			0.99		mg/Kg	1		8015B	Silica Gel Clear

TestAmerica Job ID: 720-38313-1

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Client Sample Results

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: FEPIT-EXS-7-6 Date Collected: 10/25/11 12:10

Date Received: 10/25/11 16:50

Analyte	Result	Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	·	4.3	ug/Kg	10/25/11 18:		1
Acetone	ND		43	ug/Kg	10/25/11 18:		1
Benzene	ND		4.3	ug/Kg	10/25/11 18:		.1
Dichlorobromomethane	ND	and the second sec	4.3	ug/Kg	10/25/11 18:	00 10/25/11 18:34	1
Bromobenzene	ND		4.3	ug/Kg	10/25/11 18:		1
Chlorobromomethane	ND		. 17	ug/Kg	10/25/11 18:	00 10/25/11 18:34	1
Bromoform	ND		4.3	ug/Kg	10/25/11 18:	00 10/25/11 18:34	1
Bromomethane	ND		8.6	ug/Kg	10/25/11 18:	00 10/25/11 18:34	1
2-Butanone (MEK)	ND		43	ug/Kg	10/25/11 18:		. 1
n-Butylbenzene	ND		4.3	ug/Kg	10/25/11 18:	00 10/25/11 18:34	· · 1
sec-Butylbenzene	ND		4.3	ug/Kg	10/25/11 18:		1
tert-Butylbenzene	NÐ		4.3	ug/Kg	10/25/11 18:		1
Carbon disulfide	ND		4.3	ug/Kg	10/25/11 18:		1
Carbon tetrachloride	ND		4.3	ug/Kg	10/25/11 18:		1
Chlorobenzene	5.6		4.3	ug/Kg	10/25/11 18:		1
Chloroethane	ND		8.6	ug/Kg	10/25/11 18:	1	1
Chloroform	ND		4.3	ug/Kg	10/25/11 18:		1
Chloromethane	ND		8.6	ug/Kg	10/25/11 18:		1
2-Chlorotoluene	17		4.3	ug/Kg	10/25/11 18:		1
4-Chlorotoluene	ND		4.3	ug/Kg	10/25/11 18:		· 1
Chlorodibromomethane	ND		4.3	ug/Kg	10/25/11 18:		1
1,3-Dichloropropane	ND		4.3	ug/Kg	10/25/11 18:		1
1,1-Dichloropropene	ND		4.3	ug/Kg	10/25/11 18:		1
1,2-Dibromo-3-Chloropropane	ND		4.3	ug/Kg	10/25/11 18:		1
Ethylene Dibromide	ND		4.3	ug/Kg	10/25/11 18:		1
Dibromomethane	ND		8.6	ug/Kg	10/25/11 18:		1
Dichlorodifluoromethane	ND		8.6	ug/Kg	10/25/11 18:		1
1,1-Dichloroethane	ND	· · · · · · · ·	4.3	ug/Kg	10/25/11 18:		1
1,2-Dichloroethane	ND		4.3	ug/Kg	10/25/11 18:0	and the second second second second	1
1,1-Dichloroethene	ND		4.3	ug/Kg	10/25/11 18:0		1
cis-1,2-Dichloroethene	ND		4.3	ug/Kg	10/25/11 18:0	and the second second	1
trans-1,2-Dichloroethene	NĐ		4.3	ug/Kg	10/25/11 18:0		· 1
1,2-Dichloropropane	ND		4.3	ug/Kg	10/25/11 18:0		1
cis-1,3-Dichloropropene	ND		4.3	ug/Kg	10/25/11 18:0	· · · · · · · · · · · · · · · · · · ·	1
trans-1,3-Dichloropropene	ND		4.3	ug/Kg	10/25/11 18:0		1
Ethylbenzene	ND		4.3	ug/Kg	10/25/11 18:0		1
Hexachlorobutadiene	ND		4.3	ug/Kg	10/25/11 18:0		. 1.
2-Hexanone	ND		43	ug/Kg	10/25/11 18:0		1
Isopropylbenzene	ND		4.3	ug/Kg	10/25/11 18:0		1
4-Isopropyltoluene	ND		4.3	ug/Kg	10/25/11 18:0		. 1
Methylene Chloride	ND		8.6	ug/Kg	10/25/11 18:0		1
4-Methyl-2-pentanone (MIBK)	ND		43	ug/Kg	10/25/11 18:0		1
Naphthalene	ND		8.6	ug/Kg	10/25/11 18:0	and a second	1
N-Propylbenzene	ND	· · ·	4.3	ug/Kg	10/25/11 18:0		1
Styrene	ND		4.3	ug/Kg	10/25/11 18:0		1
1,1,1,2-Tetrachloroethane	ND		4.3	ug/Kg	10/25/11 18.0	er i segu sur r	1
1,1,2,2-Tetrachloroethane	ND		4.3	ug/Kg	10/25/11 18:0		· · · · · · · · · · · · · · · · · · ·
Tetrachloroethene	ND		4.3	ug/Kg	10/25/11 18:0		1
Toluene	ND		4.3	ug/Kg	10/25/11 18:0		1

Lab Sample ID: 720-38313-1

Matrix: Solid

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Lab Sample ID: 720-38313-1

Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: FEPIT-EXS-7-6 Date Collected: 10/25/11 12:10

Date Received: 10/25/11 16:50

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
1,2,3-Trichlorobenzene	ND	·	4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	G
1,2,4-Trichlorobenzene	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	R
1,1,1-Trichloroethane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
1,1,2-Trichloroethane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	N.
Trichloroethene	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	- 194 o
Trichlorofluoromethane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
1,2,3-Trichloropropane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
1,2,4-Trimethylbenzene	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
1,3,5-Trimethylbenzene	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	.1	and a second
Vinyl acetate	ND		43	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
Vinyl chloride	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	en e
Xylenes, Total	NĎ		8.6	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
2,2-Dichloropropane	ND		4.3	ug/Kg		10/25/11 18:00	10/25/11 18:34	-1	123,223 - 197,278
Gasoline Range Organics (GRO)	ND		220	ug/Kg		10/25/11 18:00	10/25/11 18:34	1	
-C5-C12									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	83		45 - 131			10/25/11 18:00	10/25/11 18:34	1	4. e 191840
1,2-Dichloroethane-d4 (Surr)	95		60 - 140			10/25/11 18:00	10/25/11 18:34	1	
Toluene-d8 (Surr)	96		58 - 140			10/25/11 18:00	10/25/11 18:34	1	

TestAmerica Job ID: 720-38313-1

Lab Sample ID: 720-38313-1

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: FEPIT-EXS-7-6 Date Collected: 10/25/11 12:10 Date Received: 10/25/11 16:50

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	6
1,2-Dichlorobenzene	ND	4.9	ug/Kg		10/27/11 19:00	10/27/11 23:54	1	
1,3-Dichlorobenzene	ND	4.9	ug/Kg		10/27/11 19:00	10/27/11 23:54	1	
1,4-Dichlorobenzene	ND	4.9	ug/Kg		10/27/11 19:00	10/27/11 23:54	. 1	
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene	91	45 - 131			10/27/11 19:00	10/27/11 23:54	1	(SIZE)
1,2-Dichloroethane-d4 (Surr)	77	60 - 140			10/27/11 19:00	10/27/11 23:54	1	
Toluene-d8 (Surr)	96	58 - 140			10/27/11 19:00	10/27/11 23:54	-1	- 13462200

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Client Sample ID: FEPIT-EXS-7-6 Date Collected: 10/25/11 12:10

Date Received: 10/25/11 16:50

Analyte	Result	Qualifier	RL	MDL	Unit	÷.,	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.1		0.99		mg/Kg		_	10/28/11 13:00	10/31/11 18:57	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg			10/28/11 13:00	10/31/11 18:57	. 1
Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.04		0-1					10/28/11 13:00	10/31/11 18:57	1
p-Terphenyl	76		38 - 148					10/28/11 13:00	10/31/11 18:57	. 1

Lab Sample ID: 720-38313-1 Matrix: Solid

QC Sample Results

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet TestAmerica Job ID: 720-38313-1

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-101845/1-	Ą								.0	lient Sa	mple ID: Mo	ethod Blar
Matrix: Solid											Prep Typ	e: Total/N
Analysis Batch: 101832											Prep Ba	tch: 10184
		MB ME	B									
Analyte	Re	sult Qu	alifier		RL M	DL Unit		D	Pre	pared	Analyzed	Dil Fa
1,2-Dichlorobenzene		ND			5.0	ug/Kg			10/27/	11 19:00	10/27/11 20:	48
1,3-Dichlorobenzene		ND			5.0	ug/Kg			10/27/	11 19:00	10/27/11 20:	48
1,4-Dichlorobenzene		ND		:	5.0	ug/Kg			10/27/	11 19:00	10/27/11 20:	48
		МВ МЕ		1 t.								
•					•				_		· · ·	
Surrogate	%Recov		ualifier	Limits		•		_		pared	Analyzed	
4-Bromofluorobenzene		97		45 - 13						11 19:00	10/27/11 20.	
1,2-Dichloroethane-d4 (Surr)		78		60 - 14						11 19:00	10/27/11 20	
		98		58 - 14)				10/27/	'11 19:00	10/27/11 20.	-48
_ab Sample ID: LCS 720-101845/2	-A	50		00-11	•			Cli	ent S	Sample II	D: Lab Con	trol Samp
Lab Sample ID: LCS 720-101845/2 Matrix: Solid	- A				• • •			Cli	ent S	Sample II	Prep Typ Prep Ba	
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832	- A			Spike	LCS	LCS		Cli			Prep Typ Prep Ba %Rec.	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Vlatrix: Solid Analysis Batch: 101832 Analyte	-A		· .	Spike Added	LCS Result	LCS Qualifier	Unit	Cli	ent S	%Rec	Prep Typ Prep Ba %Rec. Limits	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene	-A		· · · · · · · · · · · · · · · · · · ·	Spike Added 50.0	LCS Result 51.4		ug/Kg	Cli		%Rec 103	Prep Typ Prep Ba %Rec. Limits 84 - 130	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene 1,3-Dichlorobenzene	-A		· · · · · · · · · · · · · · · · · · ·	Spike Added 50.0 50.0	LCS Result 51.4 53.0		ug/Kg ug/Kg	Cli		%Rec 103 106	Prep Typ Prep Ba %Rec. Limits 84 - 130 84 - 131	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene 1,3-Dichlorobenzene	- A			Spike Added 50.0	LCS Result 51.4		ug/Kg	Cli		%Rec 103	Prep Typ Prep Ba %Rec. Limits 84 - 130	trol Samp e: Total/N
Toluene-d8 (Surr) Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene			· · · · · · · · · · · · · · · · · · ·	Spike Added 50.0 50.0	LCS Result 51.4 53.0		ug/Kg ug/Kg	Cli		%Rec 103 106	Prep Typ Prep Ba %Rec. Limits 84 - 130 84 - 131	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Vlatrix: Solid Analysis Batch: 101832 Analyte I,2-Dichlorobenzene I,3-Dichlorobenzene I,4-Dichlorobenzene	LCS			Spike Added 50.0 50.0 50.0	LCS Result 51.4 53.0		ug/Kg ug/Kg	Cli		%Rec 103 106	Prep Typ Prep Ba %Rec. Limits 84 - 130 84 - 131	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	LCS	LCS	rLin	Spike Added 50.0 50.0 50.0	LCS Result 51.4 53.0		ug/Kg ug/Kg	Cli		%Rec 103 106	Prep Typ Prep Ba %Rec. Limits 84 - 130 84 - 131	trol Samp e: Total/N
Lab Sample ID: LCS 720-101845/2 Matrix: Solid Analysis Batch: 101832 Analyte 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	LCS GRecovery	LCS	r Lin 45 -	Spike Added 50.0 50.0 50.0	LCS Result 51.4 53.0		ug/Kg ug/Kg	Cli		%Rec 103 106	Prep Typ Prep Ba %Rec. Limits 84 - 130 84 - 131	trol Samp e: Total/N

Lab Sample ID: LCSD 720-101845/3-	A					Client	Samp	ole ID: L	ab Control	Sampl	e Dup
Matrix: Solid									Prep Ty	/pe: To	tal/NA
Analysis Batch: 101832									Prep B	atch: 1	01845
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,2-Dichlorobenzene		· ·	50.0	51.2		ug/Kg		102	84 - 130	0	20
1,3-Dichlorobenzene			50.0	53.6		ug/Kg		107	84 - 131	1	20
1,4-Dichlorobenzene		1	50.0	52.4		ug/Kg		105	85 - 125	. 1	20
	LCSD	LCSD						•			
Surrogate %Re	covery	Qualifier	Limits								
4-Bromofluorobenzene	95		45 - 131								
1,2-Dichloroethane-d4 (Surr)	76		60 - 140								
Toluene-d8 (Surr)	99		58 - 140								

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-101600/1-A Matrix: Solid Analysis Batch: 101592							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	otal/NA
	MB	MB		•					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	<u></u>	5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	. 1
Acetone	ND		50		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Benzene	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1
Dichlorobromomethane	ND		5.0		ug/Kg		10/25/11 08:26	10/25/11 09:56	1

TestAmerica Job ID: 720-38313-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-101600/1- Matrix: Solid								mple ID: Metho Prep Type: 1	Fotal/N
Analysis Batch: 101592	МВ	МВ						Prep Batch	: 1016
Analyte		Qualifier	RL	MDL Un	it	D	Prepared	Analyzed	Dil F
Bromobenzene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
Chlorobromomethane	ND		20	ug	-		10/25/11 08:26	10/25/11 09:56	÷.
Bromoform	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
Bromomethane	ND	• 	9.9	. ug/			10/25/11 08:26	10/25/11 09:56	
2-Butanone (MEK)	ND		50	-gi	-		10/25/11 08:26	10/25/11 09:56	
I-Butylbenzene	ND		5.0	9- Ug/	1. F		10/25/11 08:26	10/25/11 09:56	
ec-Butylbenzene	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
	ND		5.0	ug,			10/25/11 08:26	10/25/11 09:56	
ert-Butylbenzene Carbon disulfide	ND		5.0	ug	- T		10/25/11 08:26	10/25/11 09:56	
	ND		5.0		-		10/25/11 08:26	10/25/11 09:56	
Carbon tetrachloride				ugi			10/25/11 08:20	10/25/11 09:56	
Chlorobenzene	ND		5.0	ug	- F - F - F		a second s		
Chloroethane	ND		9.9	. ugi			10/25/11 08:26	10/25/11 09:56	
Chloroform	ND		5.0	ug	-		10/25/11 08:26	10/25/11 09:56	
Chloromethane	ND		9.9	ug			10/25/11 08:26	10/25/11 09:56	
2-Chlorotoluene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
I-Chlorotoluene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
Chlorodibromomethane	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
,3-Dichloropropane	ND		5.0	ug	Kg		10/25/11 08:26	10/25/11 09:56	
I,1-Dichloropropene	ND		5.0	uġ	Kg		10/25/11 08:26	10/25/11 09:56	
I,2-Dibromo-3-Chloropropane	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
Ethylene Dibromide	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
Dibromomethane	ND		9.9	ugi	Kg 🕔		10/25/11 08:26	10/25/11 09:56	
Dichlorodifluoromethane	ND		9.9	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
I,1-Dichloroethane	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
,2-Dichloroethane	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
1,1-Dichloroethene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
cis-1,2-Dichloraethene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	· · · ·
rans-1,2-Dichloroethene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
1,2-Dichloropropane	ND		5.0	-g. ugi	-		10/25/11 08:26	10/25/11 09:56	
cis-1,3-Dichloropropene	ND		5.0	ugi	A 4 4 4 4 4 4 4 4		10/25/11 08:26	10/25/11 09:56	
rans-1,3-Dichloropropene	ND		5.0	ug,			10/25/11 08:26	10/25/11 09:56	
					-		10/25/11 08:26	10/25/11 09:56	
Ethylbenzene	ND	the second	5.0	ug					
lexachlorobutadiene	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
2-Hexanone	ND	••	50	ug	-		10/25/11 08:26	10/25/11 09:56	
sopropylbenzene	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
l-Isopropyltoluene	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
Nethylene Chloride	ND		9.9	ugi			10/25/11 08:26	10/25/11 09:56	
I-Methyl-2-pentanone (MIBK)	ND		50	ug			10/25/11 08:26	10/25/11 09:56	
Japhthalene	ND		9.9	ug	Kg		10/25/11 08:26	10/25/11 09:56	
J-Propylbenzene	ND		5.0	ug	Kg		10/25/11 08:26	10/25/11 09:56	
Styrene	ND	e de la composición de	5.0	ug	Kg		10/25/11 08:26	10/25/11 09:56	
1,1,1,2-Tetrachloroethane	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
,1,2,2-Tetrachloroethane	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
Tetrachloroethene	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
Foluene	ND		5.0	ugi	Kg		10/25/11 08:26	10/25/11 09:56	
,2,3-Trichlorobenzene	ND		5.0	ug			10/25/11 08:26	10/25/11 09:56	
,2,4-Trichlorobenzene	ND		5.0	ugi			10/25/11 08:26	10/25/11 09:56	
,1,1-Trichloroethane	ND		5.0	ug,			10/25/11 08:26	10/25/11 09:56	
I,1,2-Trichloroethane	ND		5.0	- ug			10/25/11 08:26	10/25/11 09:56	
Trichloroethene	ND		5.0	ug.			10/25/11 08:26	10/25/11 09:56	

TestAmerica Job ID: 720-38313-1

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-101600/1-A					Client Sa	mple ID: Metho	
Matrix: Solid	:	· · · · ·				Prep Type: 1	fotal/N
Analysis Batch: 101592						Prep Batch:	10160
 A second s	AB MB						-
Analyte Res			MDL	Unit	D Prepared	Analyzed	Dil Fa
and a second	ND .	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
	1D	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
,1,2-Trichloro-1,2,2-trifluoroethane	1D	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
,2,4-Trimethylbenzene	1D	5.0	•	ug/Kg	10/25/11 08:26	10/25/11 09:56	1.1
1,3,5-Trimethylbenzene	1D :	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
/inyl acetate	1D	50		ug/Kg	10/25/11 08:26	10/25/11 09:56	
/inyl chloride	1D	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
(ylenes, Total	1D	9.9		ug/Kg	10/25/11 08:26	10/25/11 09:56	
	1D	5.0		ug/Kg	10/25/11 08:26	10/25/11 09:56	
	1D	250		ug/Kg	10/25/11 08:26	10/25/11 09:56	
C5-C12							
	11						
	1B MB						
Surrogate %Recove		Limits			Prepared	Analyzed	Dil F
l-Bromofluorobenzene	96	45 - 131			10/25/11 08:26	10/25/11 09:56	1.1
1,2-Dichloroethane-d4 (Surr) 1	03	60 - 140			10/25/11 08:26	10/25/11 09:56	
oluene-d8 (Surr)	94	58 - 140			10/25/11 08:26	10/25/11 09:56	
ab Sample ID: LCS 720-101600/2-A					Client Sample I	D: Lab Control	Samp
Aatrix: Solid		•				Prep Type: 1	otal/N
Analysis Batch: 101592						Prep Batch:	
	- <u>1</u> X	Spike	LCS LC	S		%Rec.	
nalyte		Added	Result Qu		D %Rec	Limits	
Aethyl tert-butyl ether	<u></u>	49.6	51.4	ug/Kg	$\frac{1}{104} - \frac{1}{104}$	71 - 144	
cetone		248	175	ug/Kg	70	30 - 162 77 - 113	
enzene				ug/Kg	. 93		
and a second complete state of the second		49.6	46.0				
Dichlorobromomethane		49.6 49.6	40.0 52.6	ug/Kg	106	86 - 131	
Dichlorobromomethane Bromobenzene Chlorobromomethane		49.6	52.6	ug/Kg	106	86 - 131	
Bromobenzene Chlorobromomethane		49.6 49.6	52.6 47.8	ug/Kg ug/Kg	106 96	86 - 131 88 - 120	
Bromobenzene Chlorobromomethane Bromoform		49.6 49.6 49.6	52.6 47.8 48.0	ug/Kg ug/Kg ug/Kg	106 96 97	86 - 131 88 - 120 81 - 116	
Bromobenzene Chlorobromomethane Bromoform Bromomethane		49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132	
Iromobenzene Chlorobromomethane Iromoform Iromomethane -Butanone (MEK)		49.6 49.6 49.6 49.6 49.6 248	52.6 47.8 48.0 55.4 43.7 227	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150	
Bromobenzene Chlorobromomethane Bromoform Bromomethane -Butanone (MEK) -Butylbenzene		49.6 49.6 49.6 49.6 248 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142	
Iromobenzene Chlorobromomethane Iromoform Iromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene		49.6 49.6 49.6 49.6 248 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136	
Bromobenzene Chlorobromomethane Bromoform Bromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130	
Iromobenzene Chlorobromomethane Iromoform Iromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene art-Butylbenzene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 95 96 84	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136	
Bromobenzene Chlorobromomethane Bromoform Bromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene Carbon disulfide Carbon tetrachloride		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 95 96 84 101	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138	
Iromobenzene Chlorobromomethane Iromoform Iromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene earbon disulfide Carbon tetrachloride		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 95 96 84	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 95 96 84 101	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138	
Iromobenzene Chlorobromomethane Iromoform Iromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene eart-Butylbenzene earton disulfide carbon tetrachloride chlorobenzene chloroethane		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene chlorooform		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ert-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene chloroothane chlorootrm chloromethane		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene er-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene chloroethane chloroothane chlorotoluene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene er-Butylbenzene art-Butylbenzene arton disulfide arbon tetrachloride chlorobenzene chlorotethane chlorotoluene -Chlorotoluene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.8 48.2	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136	
Aromobenzene Chlorobromomethane Aromoform Aromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene ec-Butylbenzene ert-Buty		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene er-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene chlorothane chlorothane chlorotoluene -Chlorotoluene hlorodibromomethane .3-Dichloropropane		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108 107	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140	
romobenzene chlorobromomethane romoform romomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene er-Butylbenzene arbon disulfide arbon tetrachloride chlorobenzene chlorothane chlorothane chlorotoluene -Chlorotoluene hlorodibromomethane .3-Dichloropropane ,1-Dichloropropene		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0 47.6	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108 107 96	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140 70 - 130	
Aromobenzene Chlorobromomethane Aromoform Aromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene eart-Butylbenzene eart-Butylbenzene eart-Butylbenzene eart-Butylbenzene earton disulfide earbon tetrachloride chlorobenzene chlorobenzene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotolpropene chloropropene carbon carbon carbo		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0 47.6 56.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108 107 96 113	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140 70 - 130 68 - 145	
Aromobenzene Chlorobromomethane Aromoform Aromomethane -Butanone (MEK) -Butylbenzene ec-Butylbenzene eart-Butylbenzene eart-Butylbenzene eart-Butylbenzene eart-Butylbenzene earton disulfide earbon tetrachloride chlorobenzene chlorobenzene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotoluene chlorotolpropene chloropropene carbon carbon carbo		49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0 47.6 56.0 55.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108 107 96	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140 70 - 130	
Bromobenzene Chlorobromomethane Bromoform Bromomethane P-Butanone (MEK) Butylbenzene ec-Butylbenzene ec-Butylbenzene ert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorothane Chlorotoluen		49.6 49.6 49.6 49.6 248 49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0 47.6 56.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 94 96 82 98 97 108 107 96 113	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140 70 - 130 68 - 145	
Bromobenzene		49.6 49.6 49.6 49.6 49.6 49.6 49.6 49.6	52.6 47.8 48.0 55.4 43.7 227 49.2 47.2 47.8 41.9 50.0 48.0 46.6 47.4 40.9 48.8 48.2 53.4 53.0 47.6 56.0 55.0	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	106 96 97 112 88 92 99 95 96 84 101 97 96 82 98 97 108 107 96 113 111	86 - 131 88 - 120 81 - 116 59 - 158 59 - 132 61 - 150 80 - 142 85 - 136 71 - 130 60 - 136 81 - 138 82 - 114 65 - 126 77 - 127 60 - 149 80 - 138 79 - 136 75 - 146 79 - 140 70 - 130 68 - 145 79 - 140	

TestAmerica Job ID: 720-38313-1

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-101600/2-A					Client	Sample	D: Lab Con	
Watrix: Solid								e: Total/N
Analysis Batch: 101592			1.1				Prep Ba	tch: 10160
	Spike	LCS	LCS				%Rec.	
nalyte	Added	Result	Qualifier	Unit	. 0	%Rec	Limits	<u> </u>
,2-Dichloroethane	49.6	49.4		ug/Kg		100	72 - 130	
,1-Dichloroethene 👃	49.6	41.1		ug/Kg		83	68 ₋ 119	
is-1,2-Dichloroethene	49.6	53.4		ug/Kġ		108	87 - 138	
rans-1,2-Dichloroethene	49.6	38.5		ug/Kg		.78	67 - 108	
,2-Dichloropropane	49.6	47.0		ug/Kg		95	73 - 127	
is-1,3-Dichloropropene	49.6	49.6		ug/Kg		100	68 - 147	
rans-1,3-Dichloropropene	49.6	52.8		ug/Kg		106	84 - 136	
Ethylbenzene	49.6	48.2		ug/Kg		97	80 - 137	
lexachlorobutadiene	49.6	48.4		ug/Kg		98	72 - 132	
2-Hexanone	248	260		ug/Kg		105	60 - 161	
sopropylbenzene	49.6	51.0	•	ug/Kg		103	88 - 128	
I-Isopropyltoluene	49.6	48.6		ug/Kg		98	85 - 133	
Methylene Chloride	49.6	46.0		ug/Kg		93	72 - 134	
I-Methyl-2-pentanone (MIBK)	248	270		ug/Kg		109	69 - 160	
Japhthalene	49.6	52.4		ug/Kg		106	70 - 147	
V-Propylbenzene	49.6	46.2		ug/Kg		93	72 - 125	
Styrene	49.6	51.8		ug/Kg		104	89 - 126	
,1,1,2-Tetrachloroethane	49.6	52.6		ug/Kg		106	90 - 130	
,1,2,2-Tetrachloroethane	49.6	52.6		ug/Kg		106	82 - 146	
etrachloroethene	49.6	47.6		ug/Kg		96	78 - 132	
oluene	49.6	46.4		ug/Kg	•	94	80 - 114	
,2,3-Trichlorobenzene	49.6	50.6		ug/Kg		102	82 - 135	
,2,4-Trichlorobenzene	49.6	50.0		ug/Kg		· 101	70 - 131	
,1,1-Trichloroethane	49.6	48.4		ug/Kg		98	80 - 127	
,1,2-Trichloroethane	49.6	51.2		ug/Kg		103	82 - 125	
Frichloroethene	49.6	45.2		ug/Kg		91	81 - 133	
Frichlorofluoromethane	49.6	48.0		ug/Kg		97	71 - 139	
I,2,3-Trichloropropane	49.6	55.4		ug/Kg		112	76 - 146	
	49.6	47.4	*1	ug/Kg		96	70 - 130	
1,1,2-Trichloro-1,2,2-trifluoroetha	40.0							
ne 1,2,4-Trimethylbenzene	49.6	48.6		ug/Kg		98	84 - 130	
1,3,5-Trimethylbenzene	49.6	47.8		ug/Kg		96	82 - 131	
/inyl acetate	49.6	55.0		ug/Kg		111	38 - 176	
/inyl chloride	49.6	41.1		ug/Kg		83	58 - 125	
n-Xylene & p-Xylene	99.2	102		ug/Kg		103	79 - 146	
p-Xylene	49.6	48.2		ug/Kġ		97	84 - 140	
2,2-Dichloropropane	49.6	50.6		ug/Kg		102	73 - 162	
				, ,				
LCS LCS								
Surrogate %Recovery Qualifier	Limits							
l-Bromofluorobenzene 102	45 - 131							
,2-Dichloroethane-d4 (Surr) 105	60 - 140							
Foluene-d8 (Surr) 96	58 - 140							
								4
Lab Sample ID: LCS 720-101600/4-A		•			Clien	t Sample	ID: Lab Con	
Matrix: Solid	•							be: Total/N
Analysis Batch: 101592								itch: 1016
	Spike		LCS				%Rec.	100
Analyte	Added	Result	Qualifier	Unit	1	D %Rec	Limits	

-C5-C12

Analysis Batch: 101592

Matrix: Solid

TestAmerica Job ID: 720-38313-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sa	ample ID: Lab Control Sample
	Prep Type: Total/NA
	Prep Batch: 101600

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

2

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
Toluene-d8 (Surr)	98		58 - 140
-		1	

Lab Sample ID: LCSD 720-101600/3-A Matrix: Solid

Lab Sample ID: LCS 720-101600/4-A

Analysis Batch: 101592							Prep B	atch: 1	01600
	Spike	LCSD	LCSD		<u></u>		%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methyl tert-butyl ether	49.8	50.0		ug/Kg		100	71 - 144	3	20
Acetone	249	171		ug/Kg		69	30 - 162	2	30
Benzene	49.8	46.4		ug/Kg		93	77 - 113	1	20
Dichlorobromomethane	49.8	51.0		ug/Kg		102	86 - 131	3	20
Bromobenzene	49.8	49.8		ug/Kg		100	88 - 120	4	20
Chlorobromomethane	49.8	48.0		ug/Kg		96	81 - 116	0	20
Bromoform	49.8	56.0		ug/Kg		112	59 - 158	1	20
Bromomethane	49.8	47.0		ug/Kg		94	59 - 132	7.	20
2-Butanone (MEK)	249	233		ug/Kg		93	61 - 150	2	20
n-Butylbenzene	49.8	52.2		ug/Kg		105	80 - 142	6	20
sec-Butylbenzene	49.8	50.4		ug/Kg		101	85 - 136	7	20
tert-Butylbenzene	49.8	51.2		ug/Kg		103	71 - 130	7	20
Carbon disulfide	49.8	42.8		ug/Kg		86	60 - 136	2	20
Carbon tetrachloride	49.8	49.8		ug/Kg		100	81 - 138	0	20
Chlorobenzene	49.8	49.0		ug/Kg		98	82 - 114	2	20
Chloroethane	49.8	48.4		ug/Kg		97	65 - 126	4	20
Chloroform	49.8	47.8	÷ *	ug/Kg		96	77 - 127	1	20
Chloromethane	49.8	42.2		ug/Kg		85	60 - 149	3	20
2-Chlorotoluene	49.8	51.2		ug/Kg		103	80 - 138	5	20
4-Chlorotoluene	49.8	51.0		ug/Kg		102	79 - 136	6	20
Chlorodibromomethane	49.8	53.0		ug/Kg		106	75 - 146	1	20
1,3-Dichloropropane	49.8	53.0		ug/Kg		106	79 - 140	0	20
1,1-Dichloropropene	49,8	47.8		ug/Kg		96	70 - 130	· 0	20
1,2-Dibromo-3-Chloropropane	49.8	58.6	•	ug/Kg		118	68 - 145	5	20
Ethylene Dibromide	49.8	54.2		ug/Kg		109	79 - 140	1	20
Dibromomethane	49.8	51.6		ug/Kg		104	80 - 139	0	20
Dichlorodifluoromethane	49.8	36.5		ug/Kg		73	37 - 158	5	20
1,1-Dichloroethane	49.8	47.6		ug/Kg		96	76 - 119	2	20
1,2-Dichloroethane	49.8	49.0		ug/Kg		98	72 - 130	· 1	20
1,1-Dichloroethene	49.8	42.2		ug/Kg		85	68 - 119	3	20
cis-1,2-Dichloroethene	49.8	53.8		ug/Kg		108	87 - 138	1	20
trans-1,2-Dichloroethene	49.8	39.8		ug/Kg		80	67 - 108	3	20
1,2-Dichloropropane	49.8	47.6		ug/Kg		96	73 - 127	1	20
cis-1,3-Dichloropropene	49.8	49.6		ug/Kg		100	68 - 147	Ó	20
trans-1,3-Dichloropropene	49.8	52.6		ug/Kg		106	84 - 136	0	20
Ethylbenzene	49.8	49.2	÷	ug/Kg		99	80 - 130 80 - 137	2	20
Hexachlorobutadiene	49.8	52.2		ug/Kg		105	72 - 137	8	20
2-Hexanone	249	259		ug/Kg		105	60 - 161	0	
Isopropylbenzene	49.8	52.0							20
4-Isopropylitoluene	49.8 49.8	52.0 51.4		ug/Kg		104	88 - 128	2	20
	49.0	51.4		ug/Kg		103	85 - 133	6	20

TestAmerica Job ID: 720-38313-1

Method: 8260B/CA LUFTMS - 8260B / CA LUFT MS (Continued)

_ab Sample ID: LCSD 720-10)1600/3-A					Client	t Samp	ole ID: L	ab Control	-		
latrix: Solid		•							Prep Ty			
Analysis Batch: 101592									Prep B	atch: 1		
			Spike		LCSD				%Rec.		RPD	
Analyte	· · · · · · · · · · · · · · · · · · ·		Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limit	
Aethylene Chloride			49.8	46.2		ug/Kg		93	72 - 134	0	20	
-Methyl-2-pentanone (MIBK)			249	267		ug/Kg		107	69 - 160	1	20	
laphthalene			49.8	54.0		ug/Kg		108	70 - 147	3	20	
J-Propylbenzene			49.8	48.2		ug/Kg		97	72 - 125	4	20	eaches (253)
Styrene			49.8	52.8		ug/Kg		106	89 - 126	2	20	1
,1,1,2-Tetrachloroethane			49.8	53.2		ug/Kg		107	90 - 130	1	20	ana SHI
1,1,2,2-Tetrachloroethane			49.8	53.2		ug/Kg		107	82 - 146	- 1	20	
Fetrachloroethene			49.8	48.2		ug/Kg		97	78 - 132	. 1	20	1998 2004
Toluene			49.8	47.8		ug/Kg		96	80 - 114	3	20	
2,3-Trichlorobenzene			49.8	52.2		ug/Kg		105	82 - 135	3	20	5.44
,2,4-Trichlorobenzene			49.8	51.8		ug/Kg		104	70 - 131	4	20	
,1,1-Trichloroethane			49.8	48.2		ug/Kg		97	80 - 127	0	20	÷
,1,2-Trichloroethane			49.8	51.0		ug/Kg		102	82 - 125	0	20	
richloroethene			49.8	46.6		ug/Kg		94	81 - 133	3	20	
richlorofluoromethane			49.8	49.8		ug/Kg		100	71 - 139	4	20	
,2,3-Trichloropropane			49.8	55.6		ug/Kg		112	76 - 146	0	. 20	
,1,2-Trichloro-1,2,2-trifluoroetha			49.8	47.2		ug/Kg		95	70 - 130	0	20	5
IC												
I,2,4-Trimethylbenzene			49.8	51.0		ug/Kg		102	84 - 130	5	20	Arrian.
,3,5-Trimethylbenzene		· ,	49.8	50.2		ug/Kg	· • •	101	82 - 131	5	20	
/inyl acetate	· · · · · · ·		49.8	54.8		ug/Kg		110	38 - 176	0	20	
/inyl chloride			49.8	43.8		ug/Kg		88	58 - 125	6	20	
n-Xylene & p-Xylene			99.6	104		ug/Kg		105	79 - 146	3	20	
o-Xylene		•	49.8	49.2		ug/Kg		99	84 - 140	2	20	
2,2-Dichloropropane			49.8	51.2		ug/Kg		103	73 - 162	1	20	
	I CSD	LCSD	-									
Surrogate	%Recovery		Limits			v 1						
4-Bromofluorobenzene	101		45 - 131	. · · .								
-Dichloroethane-d4 (Surr)	101		60 - 140							· · · ·		
Coluene-d8 (Surr)	97		58 - 140									
	57		50-710									
ab Sample ID: LCSD 720-10	1600/5-A	• •				Clien	t Samr	ble ID: L	ab Control	Samp	e Dup	
ab Sample ID: 2000 120-10 Natrix: Solid					· · · ·		. r		Prep Ty			
nalysis Batch: 101592										latch: 1		
mayoro Datoric 101002			Spike	LCSD	LCSD				%Rec.		RPD	
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit	

Added Result Qualifier Unit D %Rec Limits Analyte 992 932 ug/Kg 94 61 - 128 Gasoline Range Organics (GRO) -C5-C12 LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	103		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	96		58 - 140

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TestAmerica Job ID: 720-38313-1

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RPD

Limit

35

Method: 8015B - Diesel Range Organics (DRO) (GC) Lab Sample ID: MB 720-101878/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Silica Gel Cleanup Analysis Batch: 101967 Prep Batch: 101878 MB MB **Result Qualifier** RL MDL Unit D Prepared Analyzed Analyte Diesel Range Organics [C10-C28] 0.98 10/28/11 13:00 10/31/11 20:10 ND mg/Kg 10/31/11 20:10 10/28/11 13:00 Motor Oil Range Organics [C24-C36] ND 49 mg/Kg MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed 10/28/11 13:00 10/31/11 20:10 Capric Acid (Surr) 0.01 0.1 10/28/11 13:00 10/31/11 20:10 p-Terphenyl 94 38 - 148 **Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 720-101878/2-A Matrix: Solid Prep Type: Silica Gel Cleanup Analysis Batch: 101967 Prep Batch: 101878 LCS LCS %Rec. Spike Analyte Added Result Qualifier Unit D %Rec Limits 82.6 68.0 50 - 150 **Diesel Range Organics** mg/Kg 82 [C10-C28] ICS ICS %Recovery Qualifier Limits Surrogate p-Terphenyl 91 38 - 148 Lab Sample ID: LCSD 720-101878/3-A **Client Sample ID: Lab Control Sample Dup** Matrix: Solid Prep Type: Silica Gel Cleanup Analysis Batch: 101967 Prep Batch: 101878 LCSD LCSD Spike %Rec. Added Result Qualifier Unit %Rec Limits RPD Analyte D 82.8 57.3 69 50 - 150 17 Diesel Range Organics mg/Kg [C10-C28]

	LCSD	LCSD	1	
Surrogate	%Recovery	Qualifier	Limits	
p-Terphenyl	 84		38 - 148	

QC Association Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

GC/MS VOA

TestAmerica Job ID: 720-38313-1

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Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38313-1	FEPIT-EXS-7-6	Total/NA	Solid	8260B/CA_LUFT	101600
				MS	-
LCS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	101600
				MS	101000
LCS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT	101600
LCSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	MS 8260B/CA_LUFT	101600
LUSU 720-101000/3-A	Lab Control Sample Dup	TUIdi/INA	Joing	MS	101000
LCSD 720-101600/5-A	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT	101600
				MS	
MB 720-101600/1-A	Method Blank	Total/NA	Solid	8260B/CA_LUFT	101600
				MS	
D () (0)(000					
rep Batch: 101600					· . · ·
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38313-1	FEPIT-EXS-7-6	Total/NA	Solid	5035	
LCS 720-101600/2-A	Lab Control Sample	Total/NA	Solid	5035	· · ·
LCS 720-101600/4-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 720-101600/3-A	Lab Control Sample Dup	Total/NA	Solid	5035	
LCSD 720-101600/5-A	Lab Control Sample Dup	Total/NA	Solid	5035	
MB 720-101600/1-A	Method Blank	Total/NA	Solid	5035	
•					
nalysis Batch: 101832					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38313-1	FEPIT-EXS-7-6	Total/NA	Solid	8260B	101845
LCS 720-101845/2-A	Lab Control Sample	Total/NA	Solid	8260B	101845
LCSD 720-101845/3-A	Lab Control Sample Dup	Total/NA	Solid	8260B	101845
MB 720-101845/1-A	Method Blank	Total/NA	Solid	8260B	10184
			1		
rep Batch: 101845					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
720-38313-1	FEPIT-EXS-7-6	Total/NA	Solid	5030B	
LCS 720-101845/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 720-101845/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
MB 720-101845/1-A	Method Blank	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 101878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38313-1	FEPIT-EXS-7-6	Silica Gel Cleanup	Solid	3546	
LCS 720-101878/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-101878/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-101878/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	
Analysis Batch: 101967					
Lab Sample ID	Client Sample ID	Pren Tyne	Matrix	Method	Pren Batch

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38313-1	FEPIT-EXS-7-6	Silica Gel Cleanup	Solid	8015B	101878
LCS 720-101878/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	101878
LCSD 720-101878/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	101878
MB 720-101878/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	101878

TestAmerica Job ID: 720-38313-1

Lab Sample ID: 720-38313-1

Client Sample ID: FEPIT-EXS-7-6 Date Collected: 10/25/11 12:10

Date Received: 10/25/11 16:50

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 5035 TAL SF 101600 10/25/11 18:00 JZ Total/NA Analysis 8260B/CA_LUFTMS 1 101592 10/25/11 18:34 LL TAL SF Total/NA 5030B 101845 10/27/11 19:00 Prep LL TAL SF Total/NA 8260B Analysis 101832 10/27/11 23:54 AC TAL SF 1 3546 10/28/11 13:00 Silica Gel Cleanup Prep 101878 NP TAL SF Silica Gel Cleanup Analysis 8015B 1 101967 10/31/11 18:57 DH TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Matrix: Solid

TestAn	nerica	Francis 7/2011	300

Certification Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38313-1

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Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

TestAmerica Job ID: 720-38313-1

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lethod .	Method Description	Protocol	Laboratory
260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SF
60B/CA_LUFTM	8260B / CA LUFT MS	SW846	TAL SF
)15B	Diesel Range Organics (DRO) (GC)	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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet

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Lab Sample ID	Client Sample ID	· · · · · · · · · · · · · · · · · · ·	Matrix	Collected	Received
720-38313-1	FEPIT-EXS-7-6		Solid	10/25/11 12:10	10/25/11 16:50
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Lab: Test America	Suite 200 Petalupia, CA 94954 (707) 793-3800	Samplers:	Haely young	amec (
Job Number: 0D10	140070.00005	720.38	<u>i313</u>	134521
	Cheurolet Sump Excal	lation, Dubli	n CA AT	NALYSIS REQUESTED
Project Manager: <u>A</u>	very Patton	Recorder:/	Ale le l	
MATRIX # CONTAINERS		DATE		
Water Soil Air H2SO4 HN03 HCL DUWAt		MO DAY TIME	10440 11711E 2 10440	
		10251210		
REPORT TO: Aven	ADDITIONAL INFORMATION	· · · · · · · · · · · · · · · · · · ·	CHAIN OF CUS Haely you Haely you	una AMER. 10/25/11.e
PO#:		· · · · · · · · · · · · · · · · · · ·	Relinduisied By (Signature) (Print Name)	and the second se
TAT: <u>STZINdrurd</u> Comments: Field Filtered	YN		Received By (Signature): (Print Name)	
A0-58				PAD TASF 10/20571 165
2101 Webster	St, 12th Floor		Received By (Signature): (Print Name)	(Company) (Date/Time)
Oakland, CA EIDI663-1	44012 H00		Relinquished By (Signature) (Print Name)	(Company) (Date/Time)
			Received By (Signature): (Print Name) Method of Shipment:	(Company) (Date/Time

Login Sample Receipt Checklist

Client: AMEC Geomatrix Inc.

Job Number: 720-38313-1

List Source: TestAmerica San Francisco

Login Number: 38313 List Number: 1 Creator: Apostol, Anita

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		
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	2.0	
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 sample IDs on the containers 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	. *	1.
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		на стана • Стана • Стана
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 San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Tel: (925)484-1919

TestAmerica Job ID: 720-38382-1 Client Project/Site: Crown Chevrolet Sump Excavation Revision: 1

For: AMEC Geomatrix Inc. 2101 Webster Street, 12th Floor Oakland, California 94612

Attn: Avery Patton

Alemphilip

Authorized for release by: 12/19/2011 3:45:14 PM

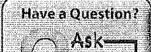
Afsaneh Salimpour Project Manager I afsaneh.salimpour@testamericainc.com

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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Review your project results through Total Access



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Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

TestAmerica Job ID: 720-38382-1

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Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
Å	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
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)

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

4 10

Job ID: 720-38382-1

Laboratory: TestAmerica San Francisco

Narrative

Job Narrative 720-38382-1

Revised the case narrative on 12/19/11. Comments No additional comments.

Receipt Logged diesel with silica gel per A.S..

All other samples were received in good condition within temperature requirements.

GC/MS VOA No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Concentrations reported represent individual or discrete peaks: 720 - 38382 - 1

Method(s) 8015B: The following sample(s) contained a hydrocarbon pattern that does not match the Diesel Fuel #2 and motor oil patterns used by the laboratory for quantitative purposes: SUMP-EXB-WATER-2-16 (720-38382-1),

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

TestAmerica Job ID: 720-38382-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.3		0.50		ug/L	1	-	8260B/CA_LUFTM	Total/NA
Chlorobenzene	3000		1000		ug/L	2000		8260B/CA_LUFTM	Total/NA
1,2-Dichlorobenzene	21000		1000		ug/L	2000		8260B/CA_LUFTM	Total/NA
1,3-Dichlorobenzene	4.5		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
1,4-Dichlorobenzene	130		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
N-Propylbenzene	1.5		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Tetrachloroethene	6.5		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
Toluene	0.58		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
1,2,4-Trichlorobenzene	6.6		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
1,2,4-Trimethylbenzene	8.3		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
1,3,5-Trimethylbenzene	3.7		0.50		ug/L	1		8260B/CA_LUFTM	Total/NA
Xylenes, Total	1.8		1.0		ug/L	1		8260B/CA_LUFTM	Total/NA
Diesel Range Organics [C10-C28]	6200	J	53		ug/L	1		8015B	Dissolved

Client Sample ID: TB-101311

No Detections

Lab Sample ID: 720-38382-2

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Client Sample ID: SUMP-EXB-WATER-2-16 Date Collected: 10/28/11 12:36

Date Received: 10/28/11 17:30

Analyte	Result	Qualifier RL	MDL	Unit	D Prepared	Analyzed	DII Fac
Methyl tert-butyl ether	ND	0.50		ug/L		11/01/11 20:37	1
Acetone	ND	50		ug/L		11/01/11 20:37	1
Benzene	6.3	0.50		ug/L		11/01/11 20:37	1
Dichlorobromomethane	NÐ	0.50		ug/L		11/01/11 20:37	1
Bromobenzene	ND	1.0		ug/L		11/01/11 20:37	1
Chlorobromomethane	ND	1.0		ug/L		11/01/11 20:37	1
Bromoform	ND	1.0		ug/L		11/01/11 20:37	1
Bromomethane	ND	1.0		ug/L		11/01/11 20:37	1
2-Butanone (MEK)	ND	50		ug/L		11/01/11 20:37	1
n-Butylbenzene	ND	1.0		ug/L		11/01/11 20:37	. 1
sec-Butylbenzene	ND	1.0		ug/L		11/01/11 20:37	1
tert-Butylbenzene	ND	1.0		ug/L		11/01/11 20:37	1
Carbon disulfide	ND	5.0		ug/L		11/01/11 20:37	. 1
Carbon tetrachloride	ND	0,50		ug/L		11/01/11 20:37	1
Chlorobenzene	3000	1000		ug/L		11/02/11 16:24	2000
Chloroethane	ND	1.0		ug/L		11/01/11 20:37	1
Chloroform	ND	1.0		ug/L		11/01/11 20:37	1
Chloromethane	ND	1.0		ug/L		11/01/11 20:37	, 1
2-Chlorotoluene	ND	0.50		ug/L		11/01/11 20:37	. 1
4-Chlorotoluene	ND	0.50		ug/L		11/01/11 20:37	1
Chlorodibromomethane	ND	0.50		ug/L		11/01/11 20:37	. 1
1,2-Dichlorobenzene	21000	1000	• • • • • •	ug/L		11/02/11 16:24	2000
1,3-Dichlorobenzene	4.5	0.50		ug/L		11/01/11 20:37	2000
1,4-Dichlorobenzene	130	0.50		ug/L		11/01/11 20:37	1
1,3-Dichloropropane	ND	1.0		ug/L		11/01/11 20:37	1
1,1-Dichloropropene	ND	0.50		ug/L		11/01/11 20:37	1
1,2-Dibromo-3-Chloropropane	ND	1.0		ug/L		11/01/11 20:37	1
Ethylene Dibromide	ND	0.50		ug/L		11/01/11 20:37	1
Dibromomethane	ND	0.50		ug/L		11/01/11 20:37	1
Dichlorodifluoromethane	ND	0.50		ug/L		11/01/11 20:37	1
1,1-Dichloroethane	ND	0.50		ug/L		11/01/11 20:37	
1,2-Dichloroethane	ND	0.50		ug/L		11/01/11 20:37	1
1,1-Dichloroethene	ND	0.50		ug/L		11/01/11 20:37	1
cis-1,2-Dichloroethene	ŇĎ	0.50		ug/L		11/01/11 20:37	1
trans-1,2-Dichloroethene	ND	0.50		ug/L		11/01/11 20:37	1
1,2-Dichloropropane	ND	0.50		ug/L		11/01/11 20:37	1
cis-1,3-Dichloropropene	ND	0.50		ug/L		11/01/11 20:37	1
trans-1,3-Dichloropropene	ND	0.50		ug/L		11/01/11 20:37	1
Ethylbenzene	ND	0.50		ug/L		11/01/11 20:37	1
Hexachlorobutadiene	ND	1.0		ug/L		11/01/11 20:37	1
2-Hexanone	ND	50		ug/L		11/01/11 20:37	1
Isopropylbenzene	ND	0.50		ug/L		11/01/11 20:37	1
4-Isopropyltoluene	ND ND	1.0		ug/L	··· · · · · · · · · · · · · ·	11/01/11 20:37	1
Methylene Chloride	ND	5.0		ug/L		11/01/11 20:37	1
4-Methyl-2-pentanone (MIBK)	ND	50		ug/L		11/01/11 20:37	1
Naphthalene	ND	1.0		ug/L ug/L			
N-Propylbenzene	1.5	1.0		ug/L		11/01/11 20:37	1
Styrene	1.5 ND	0.50				11/01/11 20:37	1
•				ug/L,		11/01/11 20:37	1
1,1,1,2-Tetrachloroethane	ND	0.50		ug/L		11/01/11 20:37	1

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Lab Sample ID: 720-38382-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: SUMP-EXB-WATER-2-16 Date Collected: 10/28/11 12:36

Date Received: 10/28/11 17:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/01/11 20:37	1
Tetrachloroethene	6.5		0.50		ug/L			11/01/11 20:37	1
Toluene	0.58		0.50		ug/L			11/01/11 20:37	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/01/11 20:37	1
1,2,4-Trichlorobenzene	6.6		1.0		ug/L			11/01/11 20:37	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/01/11 20:37	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/01/11 20:37	1
Trichloroethene	ND	•	0.50		ug/L			11/01/11 20:37	1
Trichlorofluoromethane	ND		1.0		ug/L			11/01/11 20:37	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/01/11 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/01/11 20:37	1
1,2,4-Trimethylbenzene	8.3		0.50		ug/L			11/01/11 20:37	1
1,3,5-Trimethylbenzene	3.7		0.50		ug/L			11/01/11 20:37	1
Vinyl acetate	ND		10		ug/L			11/01/11 20:37	1
Vinyl chloride	ND		0.50		ug/L			11/01/11 20:37	1
Xylenes, Total	1.8		1.0		ug/L			11/01/11 20:37	1
2,2-Dichloropropane	ND		0.50		ug/L			11/01/11 20:37	1
Gasoline Range Organics (GRO) -C5-C12	ND	10	00000		ug/L			11/02/11 16:24	2000

Surrogate	%Recovery	Qualifier	Limits		Prepared
4-Bromofluorobenzene	109		67 - 130	-	
4-Bromofluorobenzene	98		67 - 130		
1,2-Dichloroethane-d4 (Surr)	112		75 - 138		
1,2-Dichloroethane-d4 (Surr)	121		75_138		
Toluene-d8 (Surr)	99		70 - 130		
Toluene-d8 (Surr)	97		70 - 130		

Client Sample ID: TB-101311 Date Collected: 10/28/11 13:00

Date Received: 10/28/11 17:30

Analyte	Result Qualifi	ier RL	MDL I	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND	0.50	i	ug/L			11/01/11 18:15	1
Acetone	ND	50		ug/L			11/01/11 18:15	1
Benzene	ND	0.50	1	ug/L			11/01/11 18:15	1
Dichlorobromomethane	ND	0.50	I	ug/L			11/01/11 18:15	1
Bromobenzene	ND	1.0	I	ug/L			11/01/11 18:15	1
Chlorobromomethane	ND	1.0	1	ug/L			11/01/11 18:15	1
Bromoform	ND	1.0	I	ug/L			11/01/11 18:15	1
Bromomethane	ND	1.0	I	ug/L			11/01/11 18:15	1
2-Butanone (MEK)	ND	50	I	ug/L			11/01/11 18:15	1
n-Butylbenzene	ND	1.0		ug/L			11/01/11 18:15	1
sec-Butylbenzene	ND	1.0	I	ug/L			11/01/11 18:15	1
tert-Butylbenzene	ND	1.0	:	ug/L			11/01/11 18:15	1
Carbon disulfide	ND	5.0		ug/L			11/01/11 18:15	1
Carbon tetrachloride	ND	0.50		ug/L			11/01/11 18:15	1
Chlorobenzene	ND	0.50		ug/L			11/01/11 18:15	1
Chloroethane	ND	1.0		ug/L			11/01/11 18:15	1
Chloroform	ND	1.0		ug/L			11/01/11 18:15	1

Lab Sample ID: 720-38382-2 Matrix: Water

Analyzed

11/01/11 20:37

11/02/11 16:24

11/01/11 20:37

11/02/11 16:24

11/01/11 20:37

11/02/11 16:24

Dil Fac

2000

2000

2000

1

1

1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Client Sample ID: TB-101311 Date Collected: 10/28/11 13:00 Date Received: 10/28/11 17:30

Analyte	Result		MDL Unit	D Prepared	Analyzed	Dil Fa
Chloromethane	ND	1.0	ug/L		11/01/11 18:15	· · · · ·
2-Chlorotoluene	ND	0.50	ug/L		11/01/11 18:15	
4-Chlorotoluene	ND	0.50	ug/L		11/01/11 18:15	
Chlorodibromomethane	ND	0.50	ug/L		11/01/11 18:15	
1,2-Dichlorobenzene	ND	0.50	ug/L		11/01/11 18:15	
1,3-Dichlorobenzene	ND	0.50	ug/L		11/01/11 18:15	
1,4-Dichlorobenzene	ND	0.50	ug/L		11/01/11 18:15	
1,3-Dichloropropane	ND	1.0	ug/L		11/01/11 18:15	••••••
,1-Dichloropropene	ND	0.50	ug/L		11/01/11 18:15	
,2-Dibromo-3-Chloropropane	ND	1.0	ug/L		11/01/11 18:15	
thylene Dibromide	ND	0.50	ug/L		11/01/11 18:15	
Dibromomethane	ND	0.50	ug/L		11/01/11 18:15	
Dichlorodifluoromethane	ND .	0.50	ug/L		11/01/11 18:15	
,1-Dichloroethane	ND	0.50	ug/L		11/01/11 18:15	
,2-Dichloroethane	ND	0.50	ug/L		11/01/11 18:15	
,1-Dichloroethene	ND	0.50	ug/L		11/01/11 18:15	
is-1,2-Dichloroethene	ND	0.50	ug/L		11/01/11 18:15	
rans-1,2-Dichloroethene	NĐ	0.50	ug/L		11/01/11 18:15	
,2-Dichloropropane	ND	0.50	սց/Լ		11/01/11 18:15	
is-1,3-Dichloropropene	ND	0,50	ug/L			
ans-1,3-Dichloropropene	ND				11/01/11 18:15	
		0.50	ug/L		11/01/11 18:15	
hylbenzene	ND	0.50	ug/L		11/01/11 18:15	
exachlorobutadiene	ND	1.0	ug/L		11/01/11 18:15	
Hexanone	ND	50	ug/L		11/01/11 18:15	
opropylbenzene	ND	0.50	ug/L		11/01/11 18:15	
Isopropylioluene	ND	1.0	ug/L		11/01/11 18:15	
ethylene Chloride	ND	5.0	ug/L		11/01/11 18:15	
Methyl-2-pentanone (MIBK)	ND	50	ug/L		11/01/11 18:15	
aphthalene	ND	1.0	ug/L		11/01/11 18:15	
-Propylbenzene	ND	1.0	ug/L		11/01/11 18:15	
tyrene	ND.	0.50	ug/L		11/01/11 18:15	
1,1,2-Tetrachloroethane	ND	0.50	ug/L		11/01/11 18:15	
1,2,2-Tetrachloroethane	ND	0.50	ug/L		11/01/11 18:15	
etrachloroethene	ND	0.50	ug/L		11/01/11 18:15	
oluene	ND	0.50	ug/L		11/01/11 18:15	
,2,3-Trichlorobenzene	ND	1.0	ug/L		11/01/11 18:15	
,2,4-Trichlorobenzene	ND	1.0	ug/L		11/01/11 18:15	
,1,1-Trichloroethane	ND	0.50	ug/L		11/01/11 18:15	• • • •
,1,2-Trichloroethane	ND	0.50	ug/L		11/01/11 18:15	
richloroethene	ND	0.50	ug/L		11/01/11 18:15	
richlorofluoromethane	ND	1.0	ug/L		11/01/11 18:15	• • •
2,3-Trichloropropane	ND	0.50	ug/L		11/01/11 18:15	
,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50	ug/L		11/01/11 18:15	
2.4-Trimethylbenzene	ND	0.50	ug/L		11/D1/11 18:15	
,3,5-Trimethylbenzene	ND	0.50	ug/L		11/01/11 18:15	
inyl acetate	ND	10	ug/L			
/inyl chloride	ND	0.50			11/01/11 18:15	
Kylenes, Total			ug/L		11/01/11 18:15	
yiches, l'Utal	ND	1.0	ug/L		11/01/11 18:15	

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Lab Sample ID: 720-38382-2 Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC) - Dissolved

Client Sample ID: SUMP-EXB-WATER-2-16 Date Collected: 10/28/11 12:36 Date Received: 10/28/11 17:30							Lab Sample ID: 720-3 Matrix			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac	
Diesel Range Organics [C10-C28]	6200	5	53		ug/L		11/01/11 15:46	11/03/11 22:46	1	
Motor Oil Range Organics [C24-C36]	ND		110		ug/L		11/01/11 15:46	11/03/11 22:46	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Capric Acid (Surr)	0.0003	· · · ·	0-5				11/01/11 15:46	11/03/11 22:46	1	
p-Terphenyl	87		31 _ 150				11/01/11 15:46	11/03/11 22:46	1	

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102	67 - 130		11/01/11 18:15	1
1,2-Dichloroethane-d4 (Surr)	112	75 - 138		11/01/11 18:15	1
Toluene-d8 (Surr)	100	70 - 130		11/01/11 18:15	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-102054/4							Client Sa	mple ID: Metho Prep Type: T	
Matrix: Water Analysia Bataki (02054								Lieh (Ahe:)	OLANNA
Analysis Batch: 102054	MB	MB							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.50		ug/L		• •	11/01/11 12:46	
Acetone	ND		50		ug/L			11/01/11 12:46	1
Benzene	ND		0.50		ug/L			11/01/11 12:46	1
Dichlorobromomethane	ND		0.50		ug/L			11/01/11 12:46	•••••
Bromobenzene	ND		1.0		ug/L			11/01/11 12:46	1
Chlorobromomethane	ND		1.0		ug/L			11/01/11 12:46	1
Bromoform	ND		1.0		ug/L			11/01/11 12:46	-
Bromomethane	ND		1.0		ug/L			11/01/11 12:46	-
2-Butanone (MEK)	ND		50		ug/L			11/01/11 12:46	
n-Butylbenzene	ND	• • • • • • • • • • • • •	1.0		ug/L	• • •		11/01/11 12:46	
•	ND ND		1.0		ug/L			11/01/11 12:46	-
sec-Butylbenzene ert-Butylbenzene	ND		1.0		ug/L			11/01/11 12:46	-
en-sutylbenzene Carbon disulfide	ND		5.0					11/01/11 12:46	
Carbon disullide Carbon tetrachloride	ND		0,50		ug/L ug/L			11/01/11 12:46	
	ND ND		0.50		-			11/01/11 12:46	
Chlorobenzene Chloroethane			1.0		ug/L ug/L			11/01/11 12:46	
								11/01/11 12:46	
Chloroform	NÐ		1.0		ug/L				
Chloromethane	ND		1.0		ug/L			11/01/11 12:46	
2-Chlorotoluene	ND		0.50		ug/L			11/01/11 12:46	·
4-Chlorotoluene	ND		0.50		ug/L			11/01/11 12:46	
Chlorodibromomethane	ND		0.50		ug/L			11/01/11 12:46	• • • • • •
1,2-Dichlorobenzene	ND		0.50		ug/L			11/01/11 12:46	
1,3-Dichlorobenzene	ND		0.50		ug/L			11/01/11 12:46	
1,4-Dichlorobenzene	ND		0.50		ug/L			11/01/11 12:46	
1,3-Dichloropropane	ND		1.0		ug/L			11/01/11 12:46	
1,1-Dichloropropene	ND		0.50		ug/L			11/01/11 12:46	
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/01/11 12:46	
Ethylene Dibromide	ND		0.50		ug/L			11/01/11 12:46	
Dibromomethane	ND		0.50		ug/L			11/01/11 12:46	
Dichlorodifluoromethane	ND		0.50		ug/L			11/01/11 12:46	
1,1-Dichloroethane	ND		0.50		ug/L			11/01/11 12:46	
1,2-Dichloroethane	ND		0.50		ug/L			11/01/11 12:46	
1,1-Dichloroethene	ND		0.50		ug/L			11/01/11 12:46	
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/01/11 12:46	
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/01/11 12:46	
1,2-Dichloropropane	ND		0.50		ug/L			11/01/11 12:46	
cis-1,3-Dichloropropene	ND		0,50		ug/L			11/01/11 12:46	
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/01/11 12:46	
Ethylbenzene	ND		0.50		ug/L			11/01/11 12:46	
Hexachlorobutadiene	ND		1.0		ug/L			11/01/11 12:46	
2-Hexanone	ND		50		ug/L			11/01/11 12:46	
Isopropylbenzene	ND		0.50		ug/L			11/01/11 12:46	
4-isopropyitoluene	ND		1.0		ug/L			11/01/11 12:46	
Methylene Chloride	ND		5.0		ug/L			11/01/11 12:46	
4-Methyl-2-pentanone (MIBK)	ND		50		ug/L			11/01/11 12:46	
Naphthalene	ND		1.0		ug/L			11/01/11 12:46	
N-Propylbenzene	ND		1.0		ug/L			11/01/11 12:46	-
Styrene	ND		0.50		ug/L			11/01/11 12:46	
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/01/11 12:46	

TestAmerica Job ID: 720-38382-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: MB 720-102054/4	4						Client Sa	mple ID: Metho	d Blank
Matrix: Water								Prep Type: T	otal/NA
Analysis Batch: 102054									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0,50		ug/L			11/01/11 12:46	1
Tetrachloroethene	ND		0.50		ug/L			11/01/11 12:46	1
Toluene	ND	• • • •	0.50		ug/L			11/01/11 12:46	· · · · 1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			11/01/11 12:46	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/01/11 12:46	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/01/11 12:46	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/01/11 12:46	1
Trichloroethene	ND		0.50		ug/L			11/01/11 12:46	1
Trichlorofluoromethane	ND		1.0		ug/L	• •		11/01/11 12:46	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/01/11 12:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0,50		ug/L			11/01/11 12:46	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L		•	11/01/11 12:46	
1,3,5-Trimethylbenzene	ND		0.50		ug/L,			11/01/11 12:46	. 1
Vinyl acetate	ND		10		ug/L			11/01/11 12:46	1
Vinyl chloride	ND		0.50		ug/L			11/01/11 12:46	1
Xylenes, Total	ND		1.0		ug/L			11/01/11 12:46	1
2,2-Dichloropropane	ND		0.50		ug/L			11/01/11 12:46	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 . 130			-		11/01/11 12:46	1
1,2-Dichloroethane-d4 (Surr)	108		75 - 138					11/01/11 12:46	1
Toluene-d8 (Surr)	99		70 - 130					11/01/11 12:46	1

Lab Sample ID: LCS 720-102054/5 Matrix: Water

Analysis Batch: 102054

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Analyte Added Result Qualifier Unit D %Rec Limits Methyl tert-butyl ether 25.0 27.2 ug/L 109 62.130		Spike	LCS	LCS		%Rec.
Acetone12595.5ug/L7626.180Benzene25.023.4ug/L9479.120Dichlorobromomethane25.026.7ug/L10770.130Bromobenzene25.025.7ug/L10379.127Chlorobromomethane25.026.0ug/L10470.130Bromoform26.028.7ug/L11566.136Bromoform25.025.7ug/L10343.1512-Butanone (MEK)125116ug/L9354.124n-Butylbanzene25.023.2ug/L9379.142sec-Butylbanzene25.023.9ug/L9882.135Carbon disulfide25.026.6ug/L8882.135Carbon disulfide25.026.1ug/L9770.130Chlorobenzene25.026.6ug/L8882.135Carbon disulfide25.026.1ug/L9882.135Carbon disulfide25.026.1ug/L9770.130Chlorobenzene25.026.1ug/L9882.138Chlorobenzene25.026.3ug/L9882.138Chlorobenzene25.026.3ug/L9882.138Chlorobenzene25.025.3ug/L10170.130Chlorobenzene25.025.3ug/L10170.130Chlorobenzene25.025.2ug/L10170.130 <td< th=""><th>Analyte</th><th>Added</th><th>Result</th><th>Qualifier Unit</th><th>D %Rec</th><th>Limits</th></td<>	Analyte	Added	Result	Qualifier Unit	D %Rec	Limits
Benzene26.023.4ug/L9479120Dichiorobromomethane25.026.7ug/L10770130Bromobenzene26.025.7ug/L10379127Chlorobromomethane25.026.0ug/L10470130Bromoform25.026.7ug/L10470130Bromomethane25.026.7ug/L103431512-Butanone (MEK)125116ug/L9354124n-Butylbenzene25.023.2ug/L9379142sec-Butylbenzene25.023.9ug/L9681134tart-Butylbenzene25.026.4ug/L9882135Carbon disulfide25.026.4ug/L10477146Carbon disulfide25.026.4ug/L9770130Chlorobenzene25.024.6ug/L9862138Chlorobenzene25.026.1ug/L10477146Chlorobenzene25.026.4ug/L9770130Chlorobenzene25.026.3ug/L10170130Chlorobenzene25.026.3ug/L10170130Chlorobenzene25.026.3ug/L10170130Chlorobenzene25.026.4ug/L10170130Chlorobenzene25.0 </th <th>Methyl tert-butyl ether</th> <th>25.0</th> <th>27.2</th> <th> ug/L</th> <th>109</th> <th>62 . 130</th>	Methyl tert-butyl ether	25.0	27.2	ug/L	109	62 . 130
Dichlorobromomethane 26.0 26.7 ug/L 107 70 - 130 Bromobenzene 25.0 25.7 ug/L 103 79 - 127 Chlorobromomethane 25.0 26.0 ug/L 104 70 - 130 Bromoform 25.0 26.0 ug/L 104 70 - 130 Bromoform 25.0 26.7 ug/L 103 43 - 151 2-Butanone (MEK) 125 116 ug/L 93 54 - 124 n-Butylbenzene 25.0 23.2 ug/L 93 79 - 142 sec-Butylbenzene 25.0 23.9 ug/L 96 81 - 134 tert-Butylbenzene 25.0 23.9 ug/L 98 82 - 135 Carbon disulfide 25.0 20.6 ug/L 98 82 - 135 Carbon tetrachloride 25.0 26.1 ug/L 97 70 - 130 Chlorobenzene 25.0 26.1 ug/L 97 70 - 130 Chlorobenzene 25.0 24.5 ug/L 98 62 - 138 Chlorobenzene 25.0	Acetone	125	95.5	ug/L	76	26 - 180
Bromobenzene101 </th <th>Benzene</th> <th>25.0</th> <th>23.4</th> <th>ug/L</th> <th>94</th> <th>79 - 120</th>	Benzene	25.0	23.4	ug/L	94	79 - 120
Chlorobromomethane25.026.0ug/L10470 - 130Bromoform25.026.0ug/L11568 - 136Bromomethane25.025.7ug/L10343 - 1512-Butanone (MEK)125116ug/L9354 - 124n-Butylbenzene25.023.2ug/L9379 - 142sec-Butylbenzene25.023.9ug/L9681 - 134tert-Butylbenzene25.023.9ug/L9681 - 134tert-Butylbenzene25.020.6ug/L9882 - 135Carbon disulfide25.026.1ug/L9882 - 136Chlorobenzene25.026.1ug/L9770 - 130Chlorobenzene25.024.5ug/L9862 - 138Chlorobenzene25.024.5ug/L9862 - 138Chloroform25.025.3ug/L10170 - 130Chloroform25.020.6ug/L8252 - 1752-Chlorotoluene25.025.2ug/L10170 - 130	Dichlorobromomethane	25.0	26.7	ug/L	107	70 - 130
Bromoform25.028.7ug/L103103103Bromomethane25.025.7ug/L10343.1512-Butanone (MEK)125116ug/L9354.124n-Butylbenzene25.023.2ug/L9379.142sec-Butylbenzene25.023.9ug/L9681.134tert-Butylbenzene25.024.6ug/L9882.135Carbon disulfide25.026.1ug/L9882.135Carbon tetrachloride25.026.1ug/L9770.130Chlorobenzene25.024.5ug/L9862.138Chlorobenane25.024.5ug/L9862.138Chlorobenane25.026.1ug/L9862.138Chlorobenane25.026.3ug/L10170.130Chlorobenane25.026.3ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130Chlorobenane25.025.2ug/L10170.130 <th>Bromobenzene</th> <th>25.0</th> <th>25,7</th> <th>ug/L</th> <th>103</th> <th>79 ₋ 127</th>	Bromobenzene	25.0	25,7	ug/L	103	79 ₋ 127
Bromomethane25.025.7ug/L10343 - 1512-Butanone (MEK)125116ug/L9354 - 124n-Butylbenzene25.023.2ug/L9379 - 142sec-Butylbenzene25.023.9ug/L9681 - 134tert-Butylbenzene25.024.6ug/L9882 - 135Carbon disulfide25.020.6ug/L8258 - 124Carbon tetrachloride25.026.1ug/L9770 - 130Chlorobenzene25.024.5ug/L9862 - 138Chloroform25.024.5ug/L9862 - 138Chloroform25.020.6ug/L8252 - 1762-Chlorotoluene25.020.6ug/L10170 - 130Chlorototulene25.020.6ug/L8252 - 1762-Chlorotoluene25.025.2ug/L10170 - 130	Chlorobromomethane	25.0	26.0	ug/L	104	70 - 130
2-Butanone (MEK)125116ug/L9354 - 1312-Butanone (MEK)125116ug/L9354 - 124n-Butylbenzene25.023.2ug/L9379 - 142sec-Butylbenzene25.023.9ug/L9681 - 134tert-Butylbenzene25.024.6ug/L9882 - 135Carbon disulfide25.020.6ug/L8258 - 124Carbon tetrachloride25.026.1ug/L10477 - 146Chlorobenzene25.024.2ug/L9770 - 130Chlorobenzene25.024.5ug/L9862 - 138Chloroform25.025.3ug/L10170 - 130Chloroform25.020.6ug/L8252 - 1762-Chlorotoluene25.025.2ug/L10170 - 130	Bromoform	25.0	28.7	ug/L	115	68 - 136
n-Butylbenzene 25.0 23.2 ug/L 93 79 . 142 sec-Butylbenzene 25.0 23.9 ug/L 96 81 . 134 tert-Butylbenzene 25.0 24.6 ug/L 98 82 . 135 Carbon disulfide 25.0 20.6 ug/L 82 56 . 124 Carbon tetrachloride 25.0 26.1 ug/L 104 77 . 146 Chlorobenzene 25.0 24.5 ug/L 97 70 . 130 Chlorobethane 25.0 24.5 ug/L 98 62 . 138 Chlorobethane 25.0 26.3 ug/L 98 62 . 138 Chlorobethane 25.0 26.3 ug/L 101 70 . 130 Chlorobethane 25.0 20.6 ug/L 82 52 . 176 2-Chlorotoluene 25.0 20.6 ug/L 101 70 . 130	Bromomethane	25.0	25.7	ug/L	103	43 - 151
sec-Butylbenzene 25.0 23.9 ug/L 96 81 - 134 tert-Butylbenzene 25.0 24.6 ug/L 98 82 - 135 Carbon disulfide 25.0 20.6 ug/L 82 56 - 124 Carbon tetrachloride 25.0 26.1 ug/L 104 77 - 146 Chlorobenzene 25.0 24.2 ug/L 97 70 - 130 Chlorobethane 25.0 24.5 ug/L 98 62 - 138 Chlorobethane 25.0 25.3 ug/L 101 70 - 130 Chlorobethane 25.0 20.6 ug/L 82 52 - 176 Chlorototuluene 25.0 25.2 ug/L 101 70 - 130	2-Butanone (MEK)	125	116	ug/L,	93	54 - 124
tert-Butylbenzene25.024.6ug/L9882 - 135Carbon disulfide25.020.6ug/L8258 - 124Carbon tetrachloride25.026.1ug/L10477 - 146Chlorobenzene25.024.2ug/L9770 - 130Chlorobethane25.024.5ug/L9862 - 138Chlorobenzene25.025.3ug/L10170 - 130Chlorobethane25.020.6ug/L10170 - 130Chlorobethane25.020.6ug/L10170 - 130Chlorobethane25.020.6ug/L10170 - 130Chlorobethane25.025.2ug/L10170 - 130	n-Butylbenzene	25.0	23.2	ug/L	93	79 - 142
Carbon disulfide 25.0 20.6 ug/L 82 58 - 124 Carbon tetrachloride 25.0 26.1 ug/L 104 77 - 146 Chlorobenzene 25.0 24.2 ug/L 97 70 - 130 Chlorobethane 25.0 24.5 ug/L 98 62 - 138 Chloroform 25.0 25.3 ug/L 101 70 - 130 Chlorofothune 25.0 20.6 ug/L 82 52 - 176 Chloroform 25.0 20.6 ug/L 101 70 - 130 Chloroform 25.0 25.2 ug/L 101 70 - 130 Chloroforbulene 25.0 25.2 ug/L 101 70 - 130	sec-Butylbenzene	25.0	23.9	ug/L	96	81 - 134
Carbon tetrachloride 25.0 26.1 ug/L 104 77 - 146 Chlorobenzene 25.0 24.2 ug/L 97 70 - 130 Chlorobethane 25.0 24.5 ug/L 98 62 - 138 Chloroform 25.0 25.3 ug/L 101 70 - 130 Chlorobethane 25.0 25.3 ug/L 101 70 - 130 Chloroform 25.0 20.6 ug/L 82 52 - 175 2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130	tert-Butylbenzene	25.0	24.6	ug/L	98	82 - 135
Chlorobenzene 25.0 24.2 ug/L 97 70 - 130 Chlorobenzene 25.0 24.5 ug/L 98 62 - 138 Chloroform 25.0 25.3 ug/L 101 70 - 130 Chloromethane 25.0 20.6 ug/L 82 52 - 176 2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130	Carbon disulfide	25.0	20.6	ug/L	82	58 - 124
Chloroethane 25.0 24.5 ug/L 98 62 - 138 Chloroform 25.0 25.3 ug/L 101 70 - 130 Chlorototuene 25.0 20.6 ug/L 82 52 - 175	Carbon tetrachloride	25.0	26.1	ug/L	104	77 - 146
Chloroform 25.0 25.3 ug/L 101 70 - 130 Chloromethane 25.0 20.6 ug/L 82 52 - 175 2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130	Chlorobenzene	25.0	24.2	ug/L	97	70 - 130
Chloromethane 25.0 20.6 ug/L 82 52 - 176 2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130	Chloroethane	25.0	24.5	ug/L	98	62 - 138
2-Chlorotoluene 25.0 25.2 ug/L 101 70 - 130	Chloroform	25.0	25,3	ug/L	101	70 - 130
	Chloromethane	25.0	20.6	ug/L	82	52 - 175
4-Chlorotoluene 25.0 24,6 ug/L 98 70130	2-Chlorotoluene	25.0	25.2	ug/L	101	70 - 130
	4-Chlorotoluene	25.0	24.6	ug/L	98	70 - 130
Chlorodibromomethane 25.0 27.7 ug/L 111 78 - 145	Chlorodibromomethane	25.0	27.7	ug/L	111	78 - 145

2

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-102054/5 Matrix: Water				Client Sample	ID: Lab Control Sample Prep Type: Total/NA
Analysis Batch: 102054					
	Spike	LCS	LCS		%Rec.
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits
1,2-Dichlorobenzene	25.0	25.4	ug/L	102	70 - 130
,3-Dichlorobenzene	25.0	25.2	ug/L	101	70 ₋ 130
I,4-Dichlorobenzene	25.0	24.9	ug/L	100	87 - 118
1,3-Dichloropropane	25.0	25.7	ug/L	103	75 - 124
1,1-Dichloropropene	25.0	24.3	ug/L	97	70 - 130
1,2-Dibromo-3-Chloropropane	25.0	28.0	ug/L	112	72 - 136
Ethylene Dibromide	25.0	27.4	ug/L	110	70 - 130
Dibromomethane	25.0	25.9	ug/L	104	70 - 130
Dichlorodifluoromethane	25.0	20.8	ug/L	83	34 - 132
1,1-Dichloroethane	25.0	24.2	ug/L	97	70 - 130
1,2-Dichloroethane	25.0	26.1	ug/L	104	70 - 126
I, 1-Dichloroethene	25.0	21.4	ug/L	86	64 - 128
cis-1,2-Dichloroethene	25.0	28.1	ug/L	112	70 - 1 30
rans-1,2-Dichloroethene	25.0	21.1	ug/L	84	68 - 118
1,2-Dichloropropane	25.0	24.2	ug/L	97	70 - 130
cis-1,3-Dichloropropene	25.0	25.1	ug/L	100	81 - 126
rans-1,3-Dichloropropene	25,0	27.4	ug/L	110	83 - 140
Ethylbenzene	25.0	23.9	ug/L	96	84 - 120
Hexachlorobutadiene	25.0	25.4	ug/L	102	70 - 130
2-Hexanone	125	118	ug/L	94	60 - 164
sopropylbenzene	25.0	25.0	ug/L	100	70 - 130
4-isopropyitoluene	25.0	24.3	ug/L	97	70 - 130
Methylene Chloride	25.0	22.9	ug/L	92	73 ₋ 147
4-Methyl-2-pentanone (MIBK)	125	127	- ug/L	102	63 - 165
Naphthalene	25.0	26.1	ug/L	104	78 - 135
N-Propylbenzene	25.0	22.9	ug/L	92	70 - 130
Styrene	25.0	25.6	ug/L	102	70 130
1,1,1,2-Tetrachloroethane	25.0	27.0	ug/L	108	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.5	ug/L	98	70 - 130
Tetrachloroethene	25.0	26.1	ug/L	104	70 - 130
Toluene	25.0	23.0	ug/L	92	80 - 113
1,2,3-Trichlorobenzene	25.0	26.8	ug/L	107	70 - 130
1,2,4-Trichlorobenzene	25.0	25.1	ug/L	100	70 - 130
1,1,1-Trichloroethane	25.0	26.3	ug/L	105	70 - 130
1,1,2-Trichloroethane	25.0	25.3	ug/L	101	78 - 125
Trichloroethene	25,0	25.2		101	70 - 130
Trichlorofluoromethane	25.0	25.0	ug/L	100	66 - 132
1,2,3-Trichloropropane	25.0	26.6		106	70 - 130
	25.0	20.0		100	42 - 162
1,1,2-Trichloro-1,2,2-trifluoroetha	20.0	24.3	ug/L	100	72 - 102
ne 1,2,4-Trimethylbenzene	25.0	24.0	ug/L	96	70 - 132
1,3,5-Trimethylbenzene	25.0	24.8	-	99	70 - 130
Vinyl acetate	25.0	26.9	-	108	43 - 163
vinyi addado	25.0	22.6	-	90	63 - 125
m-Xylene & p-Xylene	50.0	48.6	-	97	70 - 142
o-Xylene	25.0	24.8	_	99	85 - 127
2,2-Dichloropropane	25.0	26.2		105	70 - 140

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-102 Matrix: Water Analysis Batch: 102054	054/5					(Client S	Sample	ID: Lab Co Prep T	ontrol Sa ype: Tot	-
Analysis Batch: 102054											
Currenate		LCS									
Surrogate 4-Bromofluorobenzene	- %Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	98		67 - 130 75 - 100								
	104		75 - 138								
Toluene-d8 (Surr)	100		70 - 130								
Lab Sample ID: LCS 720-102	054/7					6	liont 9	amnia	ID: Lab Co	untral S	amala
Matrix: Water						,		authie .		ype: To	•
Analysis Batch: 102054									riep i	Aher Io	LCLUINA
•			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO) -C5-C12			500	457		ug/L		91	62 - 117		
-00-012											
Surrounin		LCS	f 1 14								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene	103		67 - 130								
1,2-Dichloroethane-d4 (Surr)	106		75 - 138								
Toluene-dB (Surr)	100		70 - 130								
Lab Sample ID: LCSD 720-10	2054/6					Clion	Camp		nh Cantra	Pamal	- D
Matrix: Water	A & G - 21 &					Cliciti	l Samp	ie in: r	ab Contro		
									Prep 1	ype: Tot	auw
Analysis Batch: 102054											
Analysis Batch: 102054			Spike	LCSD	LCSD				%Ror		000
			Spike Added		LCSD Qualifier	linit	п	%Rec	%Rec.	RBD	RPI
Analysis Batch: 102054 Analyte Methyl tent-butyl ether			Added	Result	LCSD Qualifier	- Unit	<u>D</u>	%Rec	Limits	RPD	Limi
Analyte			Added 25,0	Result 27,5		ug/L	<u>D</u>	110	Limits 62 - 130	1	Limi 2
Analyte Methyl tert-butyl ether Acetone			Added 25.0 125	Result 27.5 93.6		ug/L ug/L	<u>D</u>	110 75	Limits 62 - 130 26 - 180	1 2	Lim 2 3
Analyte Methyl tert-butyl ether Acetone Benzene			Added 25.0 125 25.0	Result 27,5 93,6 23,5		ug/L ug/L ug/L	<u>D</u>	110 75 94	Limits 62 - 130 26 - 180 79 - 120	1 2 0	Lim 2 3 2
Analyte Methyl tert-butyl ether			Added 25,0 125 25,0 25,0	Result 27.5 93.6 23.5 26.9		ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108	Limits 62 - 130 26 - 180 79 - 120 70 - 130	1 2 0 1	Limi 2 3 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene			Added 25.0 125 25.0 25.0 25.0 25.0	Result 27.5 93.6 23.5 26.9 25.6		ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127	1 2 0 1 0	Lim 2 3 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichiorobromomethane Bromobenzene Chlorobromomethane			Added 25.0 125 25.0 25.0 25.0 25.0 25.0	Result 27.5 93.6 23.5 26.9 25.6 26.7		ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130	1 2 0 1 0 3	Limi 2 3 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3		ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136	1 2 0 1 0 3 2	Lim 2 3 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3 24.8		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u> </u>	110 75 94 108 102 107 117 99	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151	1 2 0 1 0 3 2 4	Limi 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK)		 	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 125	Result 27,5 93.6 23.5 26,9 25.6 26.7 29.3 24.8 118		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124	1 2 0 1 0 3 2 4 2	Limi 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 125 25.0	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142	1 2 0 1 0 3 2 4 2 4 2 1	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene		- <u></u> 	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 125	Result 27,5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.4 23.8		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134	1 2 0 1 0 3 2 4 2 1 0	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene		- <u></u>	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 125 25.0 25.0 25.0 25.0 25.0	Result 27,5 93.6 23.5 26,9 25.6 26.7 29.3 24.8 118 23.4 23.8 24.5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135	1 2 0 1 0 3 2 4 2 4 2 1 0 0	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27,5 93.6 23.5 26,9 25.6 26.7 29,3 24,8 118 23,4 23,4 23,8 24,5 20,5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4 23,8 24,5 20,5 26,1		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane		 	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4 23,4 23,4 23,8 24,5 20,5 26,1 24,3		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0	Limi 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane		 	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4 23,4 23,4 23,8 24,5 20,5 26,1 24,3 24,3		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0 1	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene Sec-Butylbenzene Sec-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroethane Chloroform		<u>-</u>	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4 23,8 24,5 20,5 26,1 24,3 24,3 24,3 25,5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130	1 2 0 1 0 3 2 4 2 4 2 4 2 1 0 0 0 0 0 0 1 1 1	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroethane Chloroform		 	Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.8 24.5 20.5 26.1 24.3 24.3 24.3 25.5 19.9		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175	1 2 0 1 0 3 2 4 2 4 2 4 2 1 0 0 0 0 0 0 0 1 1 3	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromarethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorotonuene			Added 25.0 125 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.4 23.8 24.5 20.5 26.1 24.3 24.3 24.3 25.5 19.9 25.2		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0 0 0 1 1 3 0	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromorform Bromomethane 2-Butylbenzene Sec-Butylbenzene Sec-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroothane Chloroothane Chloroothane 2-Chlorotoluene		· · · · · · · · · · · · · · · · · · ·	Added 25,0 125 25,0 25,0 25,0 25,0 25,0 25,0 25,0 25	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.4 23.4 23.8 24.5 20.5 26.1 24.3 24.3 24.3 25.5 19.9 25.2 24.5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101 98	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0 0 1 1 3 0 0 0 0	Lim 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorothane Chlorothane 2-Chlorotoluene 4-Chlorotoluene Chlorotoluene		· · · · · · · · · · · ·	Added 25,0 125 25,0 25,0 25,0 25,0 25,0 25,0 25,0 25	Result 27.5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.4 23.8 24.5 20.5 26.1 24.3 24.3 25.5 19.9 25.2 24.5 28.5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101 98 114	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130 70 - 130 76 - 130 78 - 145	1 2 0 1 0 3 2 4 2 4 2 4 2 1 0 0 0 0 0 0 0 1 1 3 0 0 0 3	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chloroothane Chloroothane 2-Chlorotoluene 4-Chlorotoluene Chlorodibromomethane 1,2-Dichlorobenzene			Added 25.0 125 25.0	Result 27,5 93,6 23,5 26,9 25,6 26,7 29,3 24,8 118 23,4 23,4 23,4 23,8 24,5 20,5 26,1 24,3 24,3 25,5 19,9 25,2 24,5 28,5 25,5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 98 82 104 97 97 102 80 101 98 114 102	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130 78 - 145 70 - 130	1 2 0 1 0 3 2 4 2 4 2 4 2 1 0 0 0 0 0 0 0 0 0 1 1 3 0 0 0 3 0	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromoform Bromorform Bromorform Bromorform Bromorform Caluatione (MEK) n-Butylbenzene Sec-Butylbenzene Sec-Butylbenzene Carbon disulfide Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorothane Chlorothane Chlorothane Chlorotoluene A-Chlorotoluene Chlorodibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene		 	Added 25.0 125 25.0	Result 27,5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.8 24.5 20.5 26.1 24.3 25.5 19.9 25.2 24.5 28.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101 98 114 102 100	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130 78 - 145 70 - 130 70 - 130	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0 0 0 1 1 3 0 0 0 1	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene sec-Butylbenzene carbon disulfide Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorobenzene Chlorotorm Chlorotoluene 4-Chlorotoluene Chlorotoluene Chlorotoluene 1,2-Dichlorobenzene 1,4-Dichlorobenzene			Added 25.0 125 25.0	Result 27,5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.8 24.5 20.5 26.1 24.3 25.5 19.9 25.2 24.5 28.5 25.5 25.5 25.5 25.0 24.9		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101 98 114 102 100 100	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 87 - 118	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 1 1 3 0 0 0 3 0 1 0 0 1 0 0 0 0	Lim 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Analyte Methyl tert-butyl ether Acetone Benzene Dichlorobromomethane Bromobenzene Chlorobromomethane Bromoform Bromomethane 2-Butanone (MEK) n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon disulfide Carbon tetrachloride Chlorobenzene Chlorothane Chlorotorm Chlorotorm Chlorotoluene 4-Chlorotoluene Chlorodibromomethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene			Added 25.0 125 25.0	Result 27,5 93.6 23.5 26.9 25.6 26.7 29.3 24.8 118 23.4 23.8 24.5 20.5 26.1 24.3 25.5 19.9 25.2 24.5 28.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	110 75 94 108 102 107 117 99 95 94 95 98 82 104 97 97 102 80 101 98 114 102 100	Limits 62 - 130 26 - 180 79 - 120 70 - 130 79 - 127 70 - 130 68 - 136 43 - 151 54 - 124 79 - 142 81 - 134 82 - 135 58 - 124 77 - 146 70 - 130 62 - 138 70 - 130 52 - 175 70 - 130 70 - 130 78 - 145 70 - 130 70 - 130	1 2 0 1 0 3 2 4 2 4 2 1 0 0 0 0 0 0 0 0 1 1 3 0 0 0 1	Limi 2 3 2 2 2 2 2 2

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-102054/6 Matrix: Water				Client	Samp	le ID: La	ib Control Prep Ty	4	-
Analysis Batch: 102054									
	Spike		LCSD				%Rec.		RPD
Analyte	Added			Unit	D	%Rec	Limits	RPD	Limit
Ethylene Dibromide	25.0	27.8		ug/L		111	70 - 130	1	20
Dibromomethane	25.0	26.8		ug/L		107	70 <u>-</u> 130	3	20
Dichlorodifluoromethane	25.0	20.8		ug/L		83	34 - 132	0	20
1,1-Dichloroethane	25.0	24.4	ι	ug/L		98	70 - 130	1	20
1,2-Dichloroethane	25.0	26.4	ι	ug/L		106	70 - 126	1	20
1,1-Dichloroethene	25.0	21.6	ι	ug/L		86	64 - 128	1	20
cis-1,2-Dichloroethene	25.0	28.4	L. L.	ug/L		114	70 - 130	1	20
rans-1,2-Dichloroethene	25.0	20.9	ι	ug/L		84	68 - 118	1	20
1,2-Dichloropropane	25.0	24.5	ı	ug/L		98	70 - 130	1	20
cis-1,3-Dichloropropene	25.0	25.6	. i	ug/L		102	81 - 126	2	20
rans-1,3-Dichloropropene	25.0	27.8	1	ug/L		111	83 _ 140	1	20
Ethylbenzene	25.0	24.0	I	ug/L		96	84 - 120	0	20
Hexachlorobutadiene	25.0	25.7	I	ug/L		103	70 ₋ 130	1	20
2-Hexanone	125	118	I	ug/L		95	60 - 164	0	20
sopropylbenzene	25.0	25.1	,	ug/L		100	70 - 130	0	20
4-Isopropyltoluene	25.0	24.4	1	ug/L		98	70 - 130	0	20
Methylene Chloride	25.0	22.9	I	ug/L		92	73 - 147	0	20
4-Methyl-2-pentanone (MiBK)	125	126	I	ug/L		101	63 _ 165	1	20
Naphthalene	25.0	26.6		ug/L		106	78.135	2	20
N-Propylbenzene	25.0	22.8	I	ug/L		91	70 - 130	0	20
Styrene	25.0	25.7		ug/L		103	70 - 130	0	20
1,1,1,2-Tetrachloroethane	25.0	27.3		ug/L		109	70 - 130	1	20
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 _ 130	0	20
Tetrachloroethene	25.0	26.5		ug/L		106	70 - 130	2	20
Toluene	25,0	23.1		ug/L		92	80 - 113	0	20
1,2,3-Trichlorobenzene	25.0	27.0		ug/L		108	70 - 130	1	20
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	70 - 130	3	20
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	70 - 130	0	20
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	78 - 125	0	20
Trichloroethene	25.0	25.2		ug/L		101	70 - 120	0	20
Trichlorofluoromethane	25.0	24,7		ug/L		99	66 - 132	1	20
1,2,3-Trichloropropane	25.0	27.1		ug/L		, 108	70 - 130	2	20
	25.0	24.3		ug/L		97	42 - 162	2	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne		2-7.0		-9-		•		2	20
1,2,4-Trimethylbenzene	25.0	24.0		ug/L		96	70 . 132	0	20
1,3,5-Trimethylbenzene	25.0	24.7		ug/L		99	70 - 130	0	20
Vinyl acetate	25.0	26.7		ug/L		107	43 - 163	1	20
Vinyl chloride	25.0	22.2		ug/L		89	63 - 125	2	20
m-Xylene & p-Xylene	50.0	48.5		ug/L		97	70 - 142	0	20
o-Xylane	25.0	25.0		ug/L		100	85 - 127	1	20
	20.0	20.0				100			

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	102		67 - 130
1,2-Dichloroethane-d4 (Surr)	105		75 - 138
Toluene-d8 (Surr)	101		70 - 130

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Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-1020 Matrix: Water	54/8								С	lient S	Samp	ole ID: L	ab Contro Prep T		
Analysis Batch: 102054													rieµ i	ype: n	otanna
· · · · · · · · · · · · · · · · · · ·				s	pike		LCSD	LCSD					%Rec.		000
Analyte					lded			Qualifie	r Unit		D	%Rec	Limits	RPD	RPD
Gasoline Range Organics (GRO)		·			500		452	Quante				90	62 . 117	1	Limit
-C5-C12					000		702		ug/L			90	Q2 - 11/	1	20
	LCSD	LCS	D												
Surrogate	%Recovery	Qua	lifler	Limit	s										
4-Bromofluorobenzene	102			67 - 1	30										
1,2-Dichloroethane-d4 (Surr)	103			75 - 1	38										
Toluene-d8 (Surr)	99			70_1	30										
Lab Sample ID: MB 720-102121/	4										c	lient Sa	imple ID: I	Viethor	l Riank
Matrix: Water													Prep T		
Analysis Batch: 102121														,	
		MB	MB												
Analyte	R	esuit	Qualifier			RL	М	DL. Unit		D	Рге	pared	Analyz	ed	Dil Fac
Chlorobenzene		ND			0	.50		ug/L		·			11/02/11 (
1,2-Dichlorobenzene		ND			0	.50		ug/L					11/02/11 (1
Gasoline Range Organics (GRO)		ND				50		-a ug/L					11/02/11 (, 1
-C5-C12								-0-4							•
Surrogate	4/ D		MB												
4-Bromofluorobenzene	%Reco		Qualifier		Limits	_				_	Pre	pared	Analyz		Dil Fac
		99			67 - 13								11/02/11 (9:55	1
1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr)		124 96			75 - 13 70 - 13								11/02/11 (9:55	1
Lab Sample ID: LCS 720-102121. Matrix: Water Analysis Batch: 102121	/5									Cli	ient S	iample i	ID: Lab Co Prep Ty		
				S	pike		LCS	LCS					%Rec.		
Analyte				Ad	ded		Result	Qualifier	r Unit		D	%Rec	Limits		
Chlorobenzene					25.0		24.0		ug/L			96	70 - 130	<u> </u>	
1,2-Dichlorobenzene				:	25.0		23.7		ug/L			95	70 - 130		
	1.00	100							-						
Surrogate		LCS	liftar		_										
4-Bromofluorobenzene	%Recovery	Qual		Limits	_										
	101			67 - 13											
1,2-Dichloroethane-d4 (Surr) Telvene dR (Surr)	120			75 - 1:											
Toluene-d8 (Surr)	99			70 - 13	30										
Lab Sample ID: LCS 720-102121/ Matrix: Water	7									Cli	ent S	iample	D: Lab Co		
													Prep Ty	/pe: To	otal/NA
Analysis Batch: 102121				~	Ika										
Analyte					pike de d		LCS				-	~	%Rec.		
					ded			Qualifier			<u> </u>	%Rec	Limits		
Sasoline Range Organics (GRO) C5-C12					500		408		ug/L			82	62 - 117		
	LCS	LCS													
Surrogate	%Recovery	Qual	ifier	Limits	3										
I-Bromofluorobenzene	100			67 - 13	30										
1,2-Dichloroethane-d4 (Surr)	118			75 - 13	38										

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-102	2121/6					Clien	it Samp	ile ID: La	ab Control	•	
Matrix: Water Analysis Batch: 102121									Prep Ty	pe: Io	al/NA
Analysis Daten. 102121			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chlorobenzene			25.0	24.1		ug/L		96	70 - 130	0	20
1,2-Dichlorobenzene			25.0	24.0		ug/L		96	70 - 130	1	20
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
4-Bromofluorobenzene	100		67 _ 130								
1,2-Dichloroethane-d4 (Surr)	118		75_138								
Toluene-d8 (Surr)	98		70 - 130								
Lab Sample ID: LCSD 720-10	2121/8					Clier	nt Samo	le iD: L	ab Control	Sampl	e Dun
Matrix: Water									Prep Ty	•	-
Analysis Batch: 102121			• •	LCSD	LCSD				%Rec.		RPD
Analysis Batch: 102121			Spike	LOOD					1	666	Llmit
•			Spike	-	Qualifier	Ünit	D	%Rec	Limits	RPD	P-01104
Analyte Gasoline Range Organics (GRO)			-	-		Unit ug/L	<u>D</u>	%Rec 81	62 - 117	0	20
Analyte Gasoline Range Organics (GRO)	LCSD	LCSD	Added	Result			<u>D</u>				
Analyte Gasoline Range Organics (GRO) -C5-C12	LCSD %Recovery		Added	Result			<u>D</u>				
Analysis Batch: 102121 Analyte Gasoline Range Organics (GRO) -C5-C12 Surrogate 4-Bromofluorobenzene			Addad 500	Result			<u>D</u>				
Analyte Gasoline Range Organics (GRO) -C5-C12 Surrogate	%Recovery		Added	Result			<u>D</u>				

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-102079/ Matrix: Water	1-B							C	ilient Sa	mple ID: Metho Prep Type: Di	
Analysis Batch: 102116		MB MB								Prep Batch:	10208
Analyte		suit Qualif	ier Ri	. м	DL Unit		D	Pre	pared	Analyzed	Dil Fa
Diesel Range Organics [C10-C28]			5	<u>,</u>	ug/L			11/01/	11 15:46	11/03/11 00:11	
Motor Oil Range Organics [C24-C36]		ND	9	9	ug/L			11/01/	11 15:46	11/03/11 00:11	,
		MB MB									
Surrogate	%Recov	ery Qualit	ier Límits					Pre	pared	Analyzed	Dil Fac
Capric Acid (Surr)	C	0.03	0_5	-			•	11/01/	11 15:46	11/03/11 00:11	
p-Terphenyl		105	31 - 150					11/01/	/11 15:46	11/03/11 00:11	
_ Lab Sample ID: LCS 720-102079	/2-B						С	lient S	Samole	ID: Lab Control	Sample
Matrix: Water							~			Prep Type: Di	-
Analysis Batch: 102116										Prep Batch	
·······			Spike	LCS	LCS					%Rec.	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Diesel Range Organics	······································		2500	1810		ug/L			72	32 . 119	
[C10-C28]											
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
	107		31 - 150								

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-10	2079/3-B					Clien	t Samp	ie ID: L	ab Control	•	•
Matrix: Water									Prep Typ	e: Diss	solved
Analysis Batch: 102116									Prep B	latch: 1	02080
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics		· · · ·	2500	1820		ug/L		73	32 - 119	1	35
[C10-C28]											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
p-Terphenyl	111		31 - 150								

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Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

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GC/MS VOA

Analysis Batch: 102054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38382-1	SUMP-EXB-WATER-2-16	Total/NA	Water	8260B/CA_LUFT	
				MS	
720-38382-2	TB-101311	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-102054/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-102054/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCSD 720-102054/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCSD 720-102054/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT	
				MS	
MB 720-102054/4	Method Blank	Total/NA	Water	8260B/CA_LUFT	
				MS	

Analysis Batch: 102121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-38382-1	SUMP-EXB-WATER-2-16	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-102121/5	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCS 720-102121/7	Lab Control Sample	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCSD 720-102121/6	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT	
				MS	
LCSD 720-102121/8	Lab Control Sample Dup	Total/NA	Water	8260B/CA_LUFT	
				MS	
MB 720-102121/4	Method Blank	Total/NA	Water	8260B/CA_LUFT	
				MS	

GC Semi VOA

Prep Batch: 102080

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38382-1	SUMP-EXB-WATER-2-16	Dissolved	Water	3510C SGC	· · · · ·
LCS 720-102079/2-B	Lab Control Sample	Dissolved	Water	3510C SGC	
LCSD 720-102079/3-B	Lab Control Sample Dup	Dissolved	Water	3510C SGC	
MB 720-102079/1-B	Method Blank	Dissolved	Water	3510C SGC	
Analysis Batch: 102116	3				
 Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-102079/2-B	Lab Control Sample	Dissolved	Water	8015B	102080
LCSD 720-102079/3-B	Lab Control Sample Dup	Dissolved	Water	8015B	102080
MB 720-102079/1-B	Method Blank	Dissolved	Water	8015B	102080
Analysis Batch: 10220:	3				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
720-38382-1	SUMP-EXB-WATER-2-16	Dissolved	Water	8015B	102080

Date Collected: 10/28/11 12:36 Matrix: Wate Matrix: Wate Date Received: 10/28/11 17:30 Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analysis Lab Total/NA Analysis 8260B/CA_LUFTMS 1 102054 11/01/11 12:37 LL TAL SF Total/NA Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 AC TAL SF Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF Dissolved Analysis 8015B 1 102203 11/03/11 22:46 DH TAL SF		-EXB-WATER-2-	-16			L	ab Sampie i	ID: 720-38382-
Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis 8260B/CA_LUFTMS 1 102054 11/01/11 20:37 LL TAL SF Total/NA Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 AC TAL SF Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF							-	Matrix: Wate
Prep TypeTypeMethodRunFactorNumberor AnalyzedAnalystLabTotal/NAAnalysis8260B/CA_LUFTMS110205411/01/11 20:37LLTAL SFTotal/NAAnalysis8260B/CA_LUFTMS200010212111/02/11 16:24ACTAL SFDissolvedPrep3510C SGC10208011/01/11 15:46RUTAL SF	10/28/11 17:3	<u>10</u>					A.M. L	
Total/NA Analysis 8260B/CA_LUFTMS 1 102054 11/01/11 20:37 LL TAL SF Total/NA Analysis 8260B/CA_LUFTMS 1 102054 11/02/11 10:237 LL TAL SF Total/NA Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 AC TAL SF Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF	Batch	Batch		Dilution	Batch	Prepared		
Total/NA Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 AC TAL SF Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF Dissolved Prep 3510C SGC 102080 11/01/11 15:46 RU TAL SF	Analysis	8260B/CA_LUFTMS		1	102054	11/01/11 20:37	ĹĻ.	TAL SF
	Analysis	82608/CA_LUFTMS		2000	102121	11/02/11 16:24	AC	TAL SF
Dissolved Analysis 8015B 1 102203 11/03/11 22:46 DH TAL SF	Prep	3510C SGC			102080	11/01/11 15:46	RU	TAL SF
	Analysis	8015B		1	102203	11/03/11 22:46	DH	TAL SF
The second						Li	ap sample	
		-						Matrix: Wate
lient Sampl		10/28/11 17:: Batch Type Analysis Prep Analysis e ID: TB-10 10/28/11 13:0	10/28/11 17:30 Batch Batch Type Method Analysis 8260B/CA_LUFTMS Analysis 8260B/CA_LUFTMS Prep 3510C SGC	Batch Type Method Run Analysis 8260B/CA_LUFTMS Run Analysis 8260B/CA_LUFTMS Run Prep 3510C SGC Analysis 8015B e ID: TB-101311 10/28/11 13:00 10/28/11 13:00 10/28/11 12:00	Batch Batch Dilution Type Method Run Factor Analysis 8260B/CA_LUFTMS 1 Analysis 8260B/CA_LUFTMS 2000 Prep 3510C SGC 1 Analysis 8015B 1 e ID: TB-101311 10/28/11 13:00 1	Batch Batch Batch Dilution Batch Type Method Run Factor Number Analysis 8260B/CA_LUFTMS 1 102054 Analysis 8260B/CA_LUFTMS 2000 102121 Prep 3510C SGC 102080 102080 Analysis 8015B 1 102203	Batch Batch Batch Dilution Batch Prepared Type Method Run Factor Number or Analyzed Analysis 8260B/CA_LUFTMS 1 102054 11/01/11 20:37 Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 Prep 3510C SGC 102080 11/01/11 15:46 Analysis 8015B 1 102203 11/03/11 22:46 e ID: TB-101311 Li Li Li	Batch Batch Dilution Batch Prepared Type Method Run Factor Number or Analyzed Analyst Analysis 8260B/CA_LUFTMS 1 102054 11/01/11 20:37 LL Analysis 8260B/CA_LUFTMS 2000 102121 11/02/11 16:24 AC Prep 3510C SGC 102080 11/01/11 15:46 RU Analysis 8015B 1 102203 11/03/11 22:46 DH e ID: TB-101311 Lab Sample 10/28/11 13:00 Lab Sample 10/28/11 13:00 Lab Sample

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/CA_LUFTMS		1	102054	11/01/11 18:15		TAL SF

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

220

Certification Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica San Francisco	California	State Program	9	2496

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM	8260B / CA LUFT MS	SW846	TAL SF
S 8015B	Diesel Range Organics (DRO) (GC)	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 San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: AMEC Geomatrix Inc. Project/Site: Crown Chevrolet Sump Excavation

TestAmerica Job ID: 720-38382-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
720-38382-1	SUMP-EXB-WATER-2-16	Water	10/28/11 12:36	10/28/11 17:30	
720-38382-2	TB-101311	Water	10/28/11 13:00	10/28/11 17:30	
					March March March

Seq. No. 1044 Lab: <u>Test America</u> Job Number: <u>OD101600</u>	(707) 793-3800		OF CUSTODY FC Haely Young 38382	PRM 	nec⁰ 34594
Name/Location: <u>Crown Ch</u> Project Manager: <u>Avery</u>		Recorder:	(Signature Hequiped)	ANALYSIS REQUE	
OX 420 000 Sumol	EXB-Water+2+1611110	DATE DAY TIME 281236 281300	STATION DESCRIPTION DEPTH X X X	X TPHQ (B240B X TPHQ ma (B240B 2 (FHEL USING C) MICHAN JASS FDEV FILEY)	
24 of 25					
REPORT TO: <u>Avery P</u> PO#: TAT: <u>Standard</u> Comments: Field Filtered Y/N)	(1) Hold 1/2 of sample vol Sump-EXB-Water-2-lib (notice (sample vol. dout	ontil further bled	Relinquished By (Signature) (Print Received By (Signature): (Print	Name) (Company) Name) (Company) Name) (Company)	(Date/Time) (Date/Time) (Date/Time) (Date/Time)
0.7 micron glass-f 2101 We Oaklan	ber filter prior to 2015 AMEC bsterst, 12th Floor		Relinquished By (Signature) (Print Received By (Signature): (Print	Name) (Company) Name) (Company) Name) (Company)	(Date/Time) (Date/Time) (Date/Time)
j 1	8	ilow - Project Office C	Method of Shipment:	ce Copy	52 F1008-E

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Login Sample Receipt Checklist

Client: AMEC Geomatrix Inc.

Login Number: 38382 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	
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	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers 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.	True	

Job Number: 720-38382-1

List Source: TestAmerica San Francisco

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 e-mail: fbi@isomedia.com

November 18, 2011

Avery Patton, Project Manager AMEC Geomatrix 2101 Webster Street, 12th Floor Oakland, CA 94612

Dear Ms. Patton:

Included are the results from the testing of material submitted on October 27, 2011 from the 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 project. There are 28 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures GMC1118R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 27, 2011 by Friedman & Bruya, Inc. from the AMEC Geomatrix 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	AMEC Geomatrix
110360-01	SUMP-EXS-8-8
110360-02	SUMP-EXB-Water-1-16
110360-03	TB101111

The 8260C vinyl chloride concentrations are considered estimates due to hydrochloric acid preservation per EPA SW-846 table 4-1.

The 8260C soil calibration standard failed the acceptance criteria for chloroethane. The data were flagged accordingly.

The 8260C 1,2-dichlorobenzene detection in sample SUMP-EXB-Water-1-16 exceeded the calibration range of the instrument. There was insufficient sample to reanalyze at a dilution.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 10/26/11 Date Analyzed: 10/31/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPAMETHOD 8015M

Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u> (C ₆ -C ₁₀)	Surrogate (<u>% Recovery</u>) (Limit 50-150)
SUMP-EXS-8-8 110360-01	<2	99
Method Blank 01-1970 MB	<2	95

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 10/31/11 Date Analyzed: 10/31/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD 8015M

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u> (C6-C10)	Surrogate (<u>% Recovery)</u> (Limit 51-134)
SUMP-EXB-Water-1-16 110360-02	3,900 x J	115
Method Blank	<50	106

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 11/09/11 Date Analyzed: 11/11/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT USING EPA METHOD 8015M Sample Extracts Passed Through a Silica Gel Column Prior to Analysis Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	Stoddard Solvent Range (C8-C11)	Surrogate <u>(% Recovery)</u> (Limit 50-150)
SUMP-EXS-8-8 110360-01	<5	102
Method Blank 01-2006 MB	<5	115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 11/09/11 Date Analyzed: 11/11/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M Sample Extracts Passed Through a Silica Gel Column Prior to Analysis Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C10-C25)	Surrogate <u>(% Recovery)</u> (Limit 50-150)
SUMP-EXS-8-8 110360-01	<5	102
Method Blank 01-2006 MB	<5	115

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 11/03/11 Date Analyzed: 11/03/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL **USING EPA METHOD 8015M Samples Filtered Prior to Extraction**

Results Reported as ug/L (ppb)

<10

Sample ID Laboratory ID

SUMP-EXB-Water-1-16 110360-02

Method Blank 01-1983 MB

Diesel Range (% Recovery) $(C_{10}-C_{25})$ (Limit 50-150) 5,200 x

91

101

Surrogate

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 11/09/11 Date Analyzed: 11/11/11

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M Sample Extracts Passed Through a Silica Gel Column Prior to Analysis Results Reported on a Dry Weight Basis Results Reported as mg/kg (ppm)

		Surrogate
<u>Sample ID</u>	Motor Oil Range	<u>(% Recovery)</u>
Laboratory ID	(C ₂₅ -C ₃₆)	(Limit 50-150)
SUMP-EXS-8-8 110360-01	<25	102
Method Blank	<25	115
01-2006 MB		

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360 Date Extracted: 11/03/11 Date Analyzed: 11/03/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M Samples Filtered Prior to Extraction

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	Motor Oil Range (C25-C36)	Surrogate <u>(% Recovery)</u> (Limit 50-150)
SUMP-EXB-Water-1-16 110360-02	<50	101
Method Blank	<50	91

01-1983 MB

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:SUMP-EXSDate Received:10/27/11Date Extracted:11/09/11Date Analyzed:11/09/11Matrix:SoilUnits:mg/kg (ppn)		Client:AMEC GeomatrixProject:0D10160070.00005 CLab ID:110360-01Data File:110907.DInstrument:GCMS4Operator:VM	rown Chevrolet
Summarataa	04 D	Lower Upper	
Surrogates:	% Recovery:	Limit: Limit:	
1,2-Dichloroethane-d4 Toluene-d8	99 97	62 142 55 145	. * •
4-Bromofluorobenzene	97 103	55 145 65 139	
	Concentration		Concentration
Compounds:	mg/kg (ppm)	Compounds:	mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	< 0.5	Tetrachloroethene	< 0.025
Vinyl chloride	< 0.05	Dibromochloromethane	< 0.05
Bromomethane	<0.5	1.2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5 ca	Chlorobenzene	1.1
Trichlorofluoromethane	< 0.5	Ethylbenzene	< 0.05
Acetone	< 0.5	1,1,1,2-Tetrachloroethane	< 0.05
1,1-Dichloroethene	< 0.05	m,p-Xylene	0.15
Methylene chloride	< 0.5	o-Xylene	< 0.05
Methyl t-butyl ether (MTBE)	< 0.05	Styrene	< 0.05
trans-1,2-Dichloroethene	< 0.05	Isopropylbenzene	< 0.05
1,1-Dichloroethane	< 0.05	Bromoform	< 0.05
2,2-Dichloropropane	< 0.05	n-Propylbenzene	< 0.05
cis-1,2-Dichloroethene	< 0.05	Bromobenzene	< 0.05
Chloroform	< 0.05	1,3,5-Trimethylbenzene	< 0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	< 0.05
1,2-Dichloroethane (EDC)	< 0.05	1,2,3-Trichloropropane	< 0.05
1,1,1-Trichloroethane	< 0.05	2-Chlorotoluene	< 0.05
1,1-Dichloropropene	< 0.05	4-Chlorotoluene	< 0.05
Carbon tetrachloride	< 0.05	tert-Butylbenzene	< 0.05
Benzene	< 0.03	1,2,4-Trimethylbenzene	< 0.05
Trichloroethene	<0.03	sec-Butylbenzene	< 0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	< 0.05
Bromodichloromethane	< 0.05	1,3-Dichlorobenzene	< 0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	< 0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	3.3
cis-1,3-Dichloropropene	< 0.05	1,2-Dibromo-3-chloropropane	< 0.5
Toluene	< 0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	< 0.05	Hexachlorobutadiene	< 0.25
1,1,2-Trichloroethane	< 0.05	Naphthalene	< 0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

ENVIRONMENTAL CHEMISTS

D D D	Client Sample ID: Date Received: Date Extracted: Date Analyzed: Matrix:	Method Blank NA 11/09/11 11/09/11 Soil	\$	Client: Project: Lab ID: Data File: Instrument:	AMEC Geomatrix 0D10160070.00005 Cr 01-1944 mb 110906.D GCMS4	rown Chevrolet
U	nits:	mg/kg (ppm)		Operator:	VM	
1 T	urrogates: ,2-Dichloroethane- oluene-d8 -Bromofluorobenze		% Recovery: 98 97 102	Lower Limit: 62 55 65	Upper Limit: 142 145 139	
С	ompounds:		Concentration mg/kg (ppm)	Compour	nds:	Concentration mg/kg (ppm)
C V B C T A 1, M	ichlorodifluoromet hloromethane inyl chloride romomethane hloroethane richlorofluorometh cetone 1-Dichloroethene lethylene chloride	nane	<0.5 <0.5 <0.05 <0.5 <0.5 ca <0.5 <0.5 <0.5 <0.05 <0.5	Tetrachlo Dibromo 1,2-Dibro Chlorobe Ethylben 1,1,1,2-T m,p-Xyle o-Xylene	zene etrachloroethane	<0.05 <0.025 <0.05 <0.05 <0.05 <0.05 <0.05 <0.1 <0.05
tr 1, 2, ci C	lethyl t-butyl ether ans-1,2-Dichloroet 1-Dichloroethane 2-Dichloropropane s-1,2-Dichloroethe hloroform	hene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05		rm penzene nzene methylbenzene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
1, 1, 1, Ca	Butanone (MEK) 2-Dichloroethane (1,1-Trichloroethar 1-Dichloropropene arbon tetrachloride enzene	1e	<0.5 <0.05 <0.05 <0.05 <0.05 <0.03	1,2,3-Tric 2-Chlorot 4-Chlorot tert-Buty	oluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
Tı 1, Bı D	richloroethene 2-Dichloropropane romodichlorometha ibromomethane Methyl-2-pentanor	ane	<0.03 <0.03 <0.05 <0.05 <0.05 <0.5	sec-Butyl p-Isoprop 1,3-Dichl 1,4-Dichl	benzene	<0.03 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05
ci: To tr 1,	s-1,3-Dichloropropoluene ans-1,3-Dichloropr 1,2-Trichloroethar Hexanone	ene ropene	<0.05 <0.05 <0.05 <0.05 <0.5	1,2-Dibro 1,2,4-Trio Hexachlo Naphtha	mo-3-chloropropane chlorobenzene robutadiene	<0.5 <0.25 <0.25 <0.05 <0.25

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:SUMP-EXDate Received:10/27/11Date Extracted:10/31/11Date Analyzed:10/31/11Matrix:WaterUnits:ug/L (ppb)	B-Water-1-16	Client: Project: Lab ID: Data File: Instrument: Operator:	AMEC Geomatrix 0D10160070.00005 C 110360-02 103112.D GCMS4 VM	rown Chevrolet
		Lower	Upper	
Surrogates:	% Recovery:	Limit:	Limit:	
1,2-Dichloroethane-d4	100	57	121	
Toluene-d8	101	63	127	
4-Bromofluorobenzene	98	60	133	
	Concentration			Concentration
Compounds:	ug/L (ppb)	Compour	nds:	ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichl	oropropane	<1
Chloromethane	<10		proethene	3.5
Vinyl chloride	<0.2		chloromethane	<1
Bromomethane	<1		moethane (EDB)	<1
Chloroethane	<1	Chlorobe		1,900 ve 🕻
Trichlorofluoromethane	<1	Ethylben	zene	<1
Acetone	10	1,1,1,2-T	etrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xyle	ne	<2
Methylene chloride	<5	o-Xylene		<1
Methyl t-butyl ether (MTBE)	<1	Styrene		<1
trans-1,2-Dichloroethene	<1	Isopropyl	benzene	<1
1,1-Dichloroethane	<1	Bromofor	m	<1
2,2-Dichloropropane	<1	n-Propyll	Denzene	3.1
cis-1,2-Dichloroethene	<1	Bromobe	nzene	<1
Chloroform	<1	1,3,5-Trii	nethylbenzene	8.0
2-Butanone (MEK)	<10	1,1,2,2-T	etrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trio	chloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorot	oluene	<1
1,1-Dichloropropene	<1	4-Chlorot	oluene	<1
Carbon tetrachloride	<1	tert-Buty		<1
Benzene	7.0		nethylbenzene	23
Trichloroethene	<1	sec-Butyl		1.9
1,2-Dichloropropane	<1	p-Isoprop		2.3
Bromodichloromethane	<1		probenzene	6.8
Dibromomethane	<1		probenzene	230 ve 🖌
4-Methyl-2-pentanone	<10		orobenzene	4,900 ve 尾
cis-1,3-Dichloropropene	<1		mo-3-chloropropane	<10
Toluene	<1		hlorobenzene	12
trans-1,3-Dichloropropene	<1		robutadiene	<1
1,1,2-Trichloroethane	<1	Naphthal		1.7
2-Hexanone	<10	1,2,3-Tric	hlorobenzene	1.5

ENVIRONMENTAL CHEMISTS

Client Sample ID:SUMP-EDate Received:10/27/11Date Extracted:11/01/11Date Analyzed:11/01/11Matrix:WaterUnits:ug/L (pp)		Client: Project: Lab ID: Data File: Instrument: Operator:	AMEC Geomatrix 0D10160070.00005 C 110360-02 1/100 110117.D GCMS4 VM	rown Chevrolet
Surrogates: 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene	% Recovery: 100 100 102	Lower Limit: 57 63 60	Upper Limit: 121 127 133	
Compounds:	Concentration ug/L (ppb)	Compoun	ıds:	Concentration ug/L (ppb)
Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluoromethane Acetone 1,1-Dichloroethene Methylene chloride Methyl t-butyl ether (MTBE) trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform 2-Butanone (MEK) 1,2-Dichloroethane (EDC) 1,1,1-Trichloroethane 1,1-Dichloropropene Carbon tetrachloride Benzene Trichloroethene 1,2-Dichloropropane Bromodichloromethane Dibromomethane 4-Methyl-2-pentanone cis-1,3-Dichloropropene Toluene trans-1,3-Dichloropropene 1,1,2-Trichloroethane 2-Hexanone	<100 <1,000 <20 <100 <100 <100 <100 <100 <100 <1	1,3-Dichla Tetrachla Dibromod 1,2-Dibro Chlorober Ethylben 1,1,1,2-Te m,p-Xyler o-Xylene Styrene Isopropyll Bromofor n-Propylb Bromober 1,3,5-Trin 1,1,2,2-Te 1,2,3-Tric 2-Chlorott 4-Chlorott tert-Butyl 1,2,4-Trin sec-Butyll p-Isopropy 1,3-Dichla 1,2-Dibron 1,2,4-Tric Hexachlor Naphthal	oropropane proethene chloromethane moethane (EDB) nzene zene etrachloroethane ne benzene m benzene nethylbenzene etrachloroethane hloropropane oluene oluene lbenzene nethylbenzene benzene methylbenzene orobenzene orobenzene orobenzene probenzene mo-3-chloropropane hlorobenzene robutadiene	$< 100 \ R \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ < 100 \\ $

ENVIRONMENTAL CHEMISTS

Client Sample ID:TB101111Date Received:10/27/11Date Extracted:10/31/11Date Analyzed:10/31/11Matrix:WaterUnits:ug/L (ppb)		Client:AMEC GeomatrixProject:0D10160070.00005 CroLab ID:110360-03Data File:103110.DInstrument:GCMS4Operator:VM	own Chevrolet
Surrogates: 1,2-Dichloroethane-d4 Toluene-d8	% Recovery: 98 98	Lower Upper Limit: Limit: 57 121 63 127	
4-Bromofluorobenzene	102	60 133	
Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2 pr	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	< 0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

ENVIRONMENTAL CHEMISTS

Client Sample ID:Method BlaDate Received:NADate Extracted:10/31/11Date Analyzed:10/31/11Matrix:WaterUnits:ug/L (ppb)	ınk	Client:AMEC GeomatrixProject:0D10160070.00005 CrLab ID:01-1934 mbData File:103106.DInstrument:GCMS4Operator:VM	rown Chevrolet
C	04 D	Lower Upper	
Surrogates: 1,2-Dichloroethane-d4	% Recovery: 100	Limit: Limit:	
Toluene-d8	98	57 121 63 127	
4-Bromofluorobenzene	104	60 133	
	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1 ₅
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane 1,1-Dichloropropene	<1	2-Chlorotoluene	<1
Carbon tetrachloride	<1 <1	4-Chlorotoluene	<1
Benzene	<0.35	tert-Butylbenzene	<1
Trichloroethene	<0.55 <1	1,2,4-Trimethylbenzene sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1 <1
Dibromomethane	<1	1,4-Dichlorobenzene	<1 <1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1 <1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:Method BlaDate Received:NADate Extracted:11/01/11Date Analyzed:11/01/11Matrix:WaterUnits:ug/L (ppb)	ank	Client: Project: Lab ID: Data File: Instrument: Operator:	AMEC Geomatrix 0D10160070.00005 C 01-1936 mb 110107.D GCMS4 VM	rown Chevrolet
		Lower	Upper	
Surrogates:	% Recovery:	Limit:	Limit:	
1,2-Dichloroethane-d4	100	57	121	
Toluene-d8	98	63	127	
4-Bromofluorobenzene	103	60	133	
	Concentration			Concentration
Compounds:	ug/L (ppb)	Compour	nds:	ug/L (ppb)
Dichlorodifluoromethane	<1	1 3-Dichl	oropropane	<1
Chloromethane	<10		proethene	<1
Vinyl chloride	<0.2		chloromethane	<1
Bromomethane	<1		omoethane (EDB)	<1
Chloroethane	<1	Chlorobe		<1
Trichlorofluoromethane	<1	Ethylben		<1
Acetone	<10		etrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xyle		<2
Methylene chloride	<5	o-Xylene		<1
Methyl t-butyl ether (MTBE)	<1	Styrene		<1
trans-1,2-Dichloroethene	<1	Isopropyl	benzene	<1
1,1-Dichloroethane	<1	Bromofor		<1
2,2-Dichloropropane	<1	n-Propyll		<1
cis-1,2-Dichloroethene	<1	Bromobe		<1
Chloroform	<1		methylbenzene	<1
2-Butanone (MEK)	<10		etrachloroethane	<1
1,2-Dichloroethane (EDC)	<1		chloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorot		<1
1,1-Dichloropropene	<1	4-Chlorot	oluene	<1
Carbon tetrachloride	<1	tert-Buty	lbenzene	<1
Benzene	< 0.35	1,2,4-Tri	methylbenzene	<1
Trichloroethene	<1	sec-Butyl	benzene	<1
1,2-Dichloropropane	<1	p-Isoprop	yltoluene	<1
Bromodichloromethane	<1	1,3-Dichl	orobenzene	<1
Dibromomethane	<1		orobenzene	<1
4-Methyl-2-pentanone	<10		orobenzene	<1
cis-1,3-Dichloropropene	<1		mo-3-chloropropane	<10
Toluene	<1		chlorobenzene	<1
trans-1,3-Dichloropropene	<1		robutadiene	<1
1,1,2-Trichloroethane	<1	Naphtha		<1
2-Hexanone	<10	1,2,3-Trio	chlorobenzene	· <1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11

Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING EPA METHOD 8015M

Laboratory Code:	Laboratory Control Sample				
		Percent	Percent		
	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Reporting Units Level	LCS	LCSD	Criteria	(Limit 20)
Gasoline	mg/kg (ppm) 20	105	105	71-131	0

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING EPA METHOD 8015M

Laboratory Code	110390-12 (Duplie	cate)		
Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm
Laboratory Code:	Laboratory Contr	ol Sample Perc	ent	
and the second second	Reporting	Spike Reco	very Accept	tance
Analyte	Units	Level LC	S Crite	eria
Gasoline	ug/L (ppb)	1,000 99	69-1	34

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS STODDARD SOLVENT USING EPA METHOD 8015M

Laboratory Code: 1	10360-01 (Duplicate	e) Silica Ge	el de la constante			
		(Wet wt)	(Wet wt)	Relativ	ve	
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	Reporting Units	Sample	Duplicate	e Percer	nt Accep	tance
Analyte		Result	Result	Differe	nce Crite	eria
Stoddard Solvent	mg/kg (ppm)	<5	<5	nm	0-2	20
Laboratory Code: L	aboratory Control S	Sample Sili	ica Gel			
			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Stoddard Solvent	mg/kg (ppm)	500	108	105	70-130	3

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Laboratory Code: Analyte	110360-01 (Duplicate Reporting Units	e) Silica Gel (Wet wt) Sample Result	(Wet wt Duplicat Result	e Perc	ent Accepta	
Diesel	mg/kg (ppm)	<5	<5	nr	n 0-20	
Laboratory Code:	Laboratory Control S	Sample Silio	ca Gel Percent	Percent		
	Reporting Units	Spike	Recovery	Recovery	Acceptance	RPD
Analyte		Level	LCS	LCSD	Criteria	(Limit 20)
Diesel	mg/kg (ppm)	500	116	116	79-144	0

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Laborato	ry Code: Lab					
	-		Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel	ug/L (ppb)	2,500	100	91	63-142	9

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Laboratory Code:	110360-01 (Duplic	ate) Silica G	el			
and the second second		(Wet wt)	(Wet wt) Relativ	/e	
	Reporting	Sample	Duplicat	e Percer	nt Accepta	nce
Analyte	Units	Result	Result	Differer	nce Criter	ia
Motor Oil	mg/kg (ppm)	<25	<25	nm	0-20	
Laboratory Code:	Laboratory Contro	ol Sample Sil	ica Gel			
			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Motor Oil	mg/kg (ppm)	500	113	96	70-130	16

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Laboratory Code: Laboratory Control Sample									
			Percent	Percent					
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD			
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)			
Motor Oil	ug/L (ppb)	2,500	84	89	70-130	6			

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Percent

Laboratory Code: 111102-01 (Matrix Spike)

					Percent		
	Reporting	Spike		Sample	Recovery		Acceptance
Analyte	Units	Level		Result	 MS	·	Criteria
Ethanol	mg/kg (ppm)	125		<50	188 vo		10-174
Dichlorodifluoromethane	mg/kg (ppm)	2.5		<0.5	55		10-142
Chloromethane	mg/kg (ppm)	2.5		<0.5	77		10-126
Vinyl chloride	mg/kg (ppm)	2.5		<0.05	77		10-138
Bromomethane	mg/kg (ppm)	2.5		<0.5	78		10-163
Chloroethane	mg/kg (ppm)	2.5		<0.5	48		10-176
Trichlorofluoromethane	mg/kg (ppm)	2.5		<0.5	106		10-176
Acetone	mg/kg (ppm)	12.5		< 0.5	82		10-163
1,1-Dichloroethene	mg/kg (ppm)	2.5 2.5		< 0.05	87		10-160
Hexane	mg/kg (ppm)			<0.25	67		10-137
Methylene chloride	mg/kg (ppm)	2.5		<0.5	84		10-156
t-Butyl alcohol (TBA)	mg/kg (ppm)	125 2.5		<2.5	88 79		16-169
Methyl t-butyl ether (MTBE) trans-1.2-Dichloroethene	mg/kg (ppm)	2.5		<0.05 <0.05	79 82		21-145 14-137
Diisopropyl ether (DIPE)	mg/kg (ppm)	2.5		<0.05	81		29-136
1,1-Dichloroethane	mg/kg (ppm)	2.5		<0.05	81		29-130 19-140
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	2.5		< 0.05	80		27-141
2,2-Dichloropropane	mg/kg (ppm) mg/kg (ppm)	2.5		< 0.05	68		10-158
cis-1.2-Dichloroethene	mg/kg (ppm)	2.5		<0.05	79		25-135
Chloroform	mg/kg (ppm)	2.5		< 0.05	82		21-145
2-Butanone (MEK)	mg/kg (ppm)	12.5		<0.05	76		19-147
t-Amyl methyl ether (TAME)	mg/kg (ppm)	2.5		<0.05	80 .		27-144
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5		<0.05	79		12-160
1,1,1-Trichloroethane	mg/kg (ppm)	2.5		<0.05	84		10-156
1,1-Dichloropropene	mg/kg (ppm)	2.5		<0.05	78		17-140
Carbon tetrachloride	mg/kg (ppm)	2.5		<0.05	88		9-164
Benzene	mg/kg (ppm)	2.5		<0.03	79		29-129
Trichloroethene	ing/kg (ppm)	2.5		< 0.03	77		21-139
1,2-Dichloropropane	mg/kg (ppm)	2.5		<0.05	84		30-135
Bromodichloromethane	mg/kg (ppm)	2.5		< 0.05	89		23-155
Dibromomethane	mg/kg (ppm)	2.5		< 0.05	81		23-145
4-Methyl-2-pentanone	mg/kg (ppm)	12.5		<0.5	77		24-155
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5		< 0.05	83		28-144
Toluene	mg/kg (ppm)	2.5		< 0.05	81		35-130
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5		< 0.05	85		26-149
1,1,2-Trichloroethane	mg/kg (ppm)	2.5		<0.05	84		30-142
2-Hexanone	mg/kg (ppm)	12.5		<0.5	79		15-166
1,3-Dichloropropane	mg/kg (ppm)	2.5		<0.05	82		31-137
Tetrachloroethene	mg/kg (ppm)	2,5		<0.025	76		20-133
Dibromochloromethane	mg/kg (ppm)	2.5		<0.05	92		28-150
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5		< 0.05	82		28-142
Chlorobenzene	mg/kg (ppm)	2.5		< 0.05	82		32-129
Ethylbenzene	mg/kg (ppm)	2.5		< 0.05	82		32-137
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5 5		<0.05 <0.1	91 78		31-143 34-136
m,p-Xylene o-Xylene	mg/kg (ppm)	2.5		<0.1	78 84		33-134
Styrene	mg/kg (ppm) mg/kg (ppm)	2.5		<0.05	85		35-134 35-137
Isopropylbenzene	mg/kg (ppm)	2.5	5 a. 6 b.	<0.05	85		31-142
Bromoform	mg/kg (ppm)	2.5	1.1	<0.05	94		21-156
n-Propylbenzene	mg/kg (ppm)	2.5		< 0.05	85		23-146
Bromobenzene	mg/kg (ppm)	2.5		< 0.05	83		34-130
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5		< 0.05	86		18-149
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5		< 0.05	85		28-140
1,2,3-Trichloropropane	mg/kg (ppm)	2.5		< 0.05	80		25-144
2-Chlorotoluene	mg/kg (ppm)	2.5		< 0.05	85		31-134
4-Chlorotoluene	mg/kg (ppm)	2.5		< 0.05	83		31-136
tert-Butylbenzene	mg/kg (ppm)	2.5		< 0.05	88		30-137
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5		< 0.05	87		10-182
sec-Butylbenzene	mg/kg (ppm)	2.5		<0.05	87		23-145
p-Isopropyltoluene	mg/kg (ppm)	2.5		< 0.05	87		21-149
1,3-Dichlorobenzene	mg/kg (ppm)	2.5		<0.05	84		30-131
1,4-Dichlorobenzene	mg/kg (ppm)	2.5		<0.05	82		29-129
1,2-Dichlorobenzene	mg/kg (ppm)	2.5		< 0.05	86		31-132
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5		<0.5	86		11-161
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5		< 0.25	87		22-142
Hexachlorobutadiene	mg/kg (ppm)	2.5		<0.25	88		19-142
Naphthalene	mg/kg (ppm)	2.5		< 0.05	89		14-157
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5		<0.25	89		20-144

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance	ŘPD
Ethanol	mg/kg (ppm)	125	117	121	Criteria	(Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	59	52	11-168	3
Chloromethane	mg/kg (ppm)	2.5	- 39 78	73	10-146 27-133	13
Vinyl chloride	mg/kg (ppm)	2.5	78	76	27-133 22-139	7
Bromomethane	mg/kg (ppm)	2.5	78	76	38-114	3
Chloroethane	mg/kg (ppm)	2.5	69	75	20-153	
Trichlorofluoromethane	mg/kg (ppm)	2.5	81	79	10-196	8
Acetone	mg/kg (ppm)	12.5	86	89	52-141	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	89	89	47-128	0
Hexane	mg/kg (ppm)	2.5	80	80	47-128	0
Methylene chloride	mg/kg (ppm)	2.5	. 84	86	42-132	2
t-Butyl alcohol (TBA)	mg/kg (ppm)	125	104	96	41-150	8
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	93	92	60-123	ĭ
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	89	67-127	0
Diisopropyl ether (DIPE)	mg/kg (ppm)	2.5	93	93	69-115	ŏ
1,1-Dichloroethane	mg/kg (ppm)	2.5	92	92	68-115	- ŏ
Ethyl t-butyl ether (ETBE)	mg/kg (ppm)	2.5	96	93	48-142	3
2,2-Dichloropropane	mg/kg (ppm)	2.5	96	98	57-133	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	92	91	72-113	1
Chloroform	mg/kg (ppm)	2.5	93	92	66-120	1
2-Butanone (MEK)	mg/kg (ppm)	12.5	93	92	57-123	1
t-Amyl methyl ether (TAME)	mg/kg (ppm)	2.5	95	95	47-143	ô
I,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	89	87	56-135	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	95	94	62-131	· 1
1,1-Dichloropropene	mg/kg (ppm)	2.5	91	91	69-128	0
Carbon tetrachloride	mg/kg (ppm)	2.5	102	99	60-139	3
Benzene	mg/kg (ppm) ⁻	2.5	91	90	68-114	1
Trichloroethene	mg/kg (ppm)	2.5	90	89	68-114	1
1,2-Dichloropropane	mg/kg (ppm)	2.5	94	94	72-127	. 0
Bromodichloromethane	mg/kg (ppm)	2.5	103	102	72-130	1 1 1
Dibromomethane	mg/kg (ppm)	2.5	93	92	70-120	1
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	93	92	45-145	. 1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	100	75-136	2
Toluene	mg/kg (ppm)	2.5	92	92	66-126	0
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	103	101	72-132	2
1,1,2-Trichloroethane 2-Hexanone	mg/kg (ppm)	2,5	96	95	75-113	1
1,3-Dichloropropane	mg/kg (ppm)	12.5	94	93	33-152	1
Tetrachloroethene	mg/kg (ppm)	2.5	94	94	72-130	0
Dibromochloromethane	mg/kg (ppm)	2.5 2.5	93	92	72-114	1
1.2-Dibromoethane (EDB)	mg/kg (ppm) mg/kg (ppm)	2.5	107 96	106	74-125	1
Chlorobenzene	mg/kg (ppm)	2.5	93	96 91	74-132	0
Ethylbenzene	mg/kg (ppm)	2.5	93 94	93	76-111 64-123	2
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	104	103	69-135	1
m.p-Xylene	mg/kg (ppm)	5	90	89	78-122	1
o-Xylene	mg/kg (ppm)	2.5	96	95	77-124	1
Styrene	mg/kg (ppm)	2.5	98	97	74-126	. 1
Isopropylbenzene	mg/kg (ppm)	2.5	97	96	76-127	1 · · · ·
Bromoform	mg/kg (ppm)	2.5	111	109	56-132	2
n-Propylbenzene	mg/kg (ppm)	2.5	98	97	74-124	1
Bromobenzene	mg/kg (ppm)	2.5	96	94	72-122	2
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	99	98	76-126	· ĭ ·
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	98	98	56-143	0
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	94	94	61-137	Ū.
2-Chlorotoluene	mg/kg (ppm)	2.5	97	96	74-121	1
4-Chlorotoluene	mg/kg (ppm)	2.5	96	96	75-122	0
tert-Butylbenzene	mg/kg (ppm)	2.5	100	99	73-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	99	98	76-125	. 1
sec-Butylbenzene	mg/kg (ppm)	2.5	99	99	71-130	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	101	100	70-132	1
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	95	95	75-121	0
1.4-Dichlorobenzene	mg/kg (ppm)	2.5	93	93	74-117	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	97	96	76-121	1 .
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	101	101	61-136	0
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	101	100	70-129	L
Hexachlorobutadiene Naphthalene	mg/kg (ppm)	2.5	103	103	50-153	0
1,2,3 Trichlorobenzene	mg/kg (ppm)	2.5 2.5	103	102	60-125	1
1,0,0 ATTENNOTOBILENC	mg/kg (ppm)	2.0	100	101	62-130	1.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11

Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Reporting	Spike	Percent Recovery	Percent Recovery	Acceptance	RPD
Chloromethane upI, (ppb) 50 1.10 112 45-156 2 Brenomethane upI, (ppb) 50 10 55-143 3 Chromethane upI, (ppb) 50 10 10 55-143 3 Actore upI, (ppb) 50 10 10 66-155 2 I-Dichforomethane upI, (ppb) 50 10 104 67-136 3 Methyleme chloride upI, (ppb) 50 86 89 39-148 3 Methyleme chloride upI, (ppb) 50 18 118 183 55-143 0 L-Dichforomethane upI, (ppb) 50 18 101 89-123 2 Chloroform upI, (ppb) 50 18 101 89-123 2 2.Dichforomethane upI, (ppb) 50 106 107 74.12 1 Li, Dichforomethane upI, (ppb) 50 106 107 74.12 1 Li, Dic			Units					(Limit 20)
Viny theride up1, (pb) 50 118 119 51.51 1 Brommethane up1, (pb) 50 99.102 54.43 3 Chorechane up1, (pb) 50 111 13 84.46 2 Libbohroschene up1, (pb) 50 101 144 67.13 3 Methyler, chbride up1, (pb) 50 101 102 64.147 1 Libbohroschene up1, (pb) 50 101 102 64.147 1 Libbohroschene up1, (pb) 50 101 103 80.123 2 Libbohroschene up1, (pb) 50 104 103 80.123 2 Libbohroschene up1, (pb) 50 106 107 73.12 1 Libbohroschene up1, (pb) 50 106 107 83.130 2 Libbohroschene up1, (pb) 50 106 107 83.130 2 Libbohroschene up1, (pb	Dichlorodifluoromethane		ug/L (ppb)	50	141	139	25-158	1
	Chloromethane		ug/L (ppb)	50		112	45-156	2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Vinyl chloride		ug/L (ppb)		118	119	50-154	1
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Bromomethane		ug/L (ppb)	50	99 .	102	55-143	
Actone ug/f. (pp) 250 88 100 60.155 2 J.D.Dchorochene ug/t. (pp) 50 80 80 30.148 3. Methylene chloride ug/t. (pp) 50 86 89 30.148 3. Methylene chloride ug/t. (pp) 50 86 89 90 66.128 1 Lanner, L2 Dichlorochene ug/t. (pp) 50 118 118 55.133 2 Choroform ug/t. (pp) 50 101 103 80.123 2 2. Buchlorochene ug/t. (pp) 50 96 97 73.132 1 1. L2. Dichlorochene ug/t. (pp) 50 100 107 83.130 2 1. L2. Dichlorochene ug/t. (pp) 50 101 112 77.132 1 1. L2. Dichlorochene ug/t. (pp) 50 101 102 77.133 1 1. L2. Dichlorochene ug/t. (pp) 50 101 102 77.133	Chloroethane		ug/L (ppb)		111	113	58-146	2
i, J.D.chloroethene ug/L (pb) 50 101 104 67-136 3 Methylen chloroethene ug/L (pb) 50 101 102 64-147 1 1.2 Dichloroptopene ug/L (pb) 50 101 102 64-147 1 1.2 Dichloroptopene ug/L (pb) 50 101 103 65123 2 icit, 1.2 Dichloroptopene ug/L (pb) 50 101 103 85123 2 Chloroform ug/L (pb) 50 98 100 80123 2 Chloroform ug/L (pb) 50 98 100 80123 2 Chlorofthane (MEX) ug/L (pb) 50 106 107 73.132 1 Carbon tetrachoride ug/L (pb) 50 1101 112 75.183 2 Benzone ug/L (pb) 50 101 102 77.123 1 Carbon tetrachoride ug/L (pb) 50 101 102 77.123 1	Trichlorofluoromethane		ug/L (ppb)		109			
Methylene chloride ugl/ (ph) 50 86 89 39 148 3 Methyl betylether (MTER) ugl/ (ph) 50 98 90 68-128 1 11: Dichlorecthane ugl/ (ph) 50 98 90 68-128 1 11: Dichlorecthane ugl/ (ph) 50 16 101 183 51:33 2 2: Dichlorecthane ugl/ (ph) 50 98 100 89:121 2 2: Dichlorecthane (ECC) ugl/ (ph) 50 96 97 73:32 1 1: Dichlorecthane (ECC) ugl/ (ph) 50 101 102 71:43 1 2: Dichlorecthane (ECC) ugl/ (ph) 50 101 102 77:13 1 1: Dichlorecthane ugl/ (ph) 50 101 102 77:123 1 2: Dichlorecthane ugl/ (ph) 50 106 108 81:33 2 1: Dichlorecthane ugl/ (ph) 50 101 102 77:123 1 4: Aftrix 1: Dichlorecthane ugl/ (ph) 50 101 </th <th>Acetone</th> <th></th> <th>ug/L (ppb)</th> <th></th> <th></th> <th>100</th> <th></th> <th></th>	Acetone		ug/L (ppb)			100		
Methyl - buryl ether (MTBE) ugf. (pp) 50 101 102 64-147 1 1.1.Dichlorecthane ugf. (pp) 50 98 99 68-123 1 2.2.Dichlorepropane ugf. (pp) 50 98 101 79-121 2 2.2.Dichlorepropane ugf. (pp) 50 118 113 513.3 2 2.Dichlorepropane ugf. (pp) 50 102 102 27.140 0 1.2.Dichlorepropane ugf. (pp) 50 105 107 73.132 1 1.1.Dichlorepropane ugf. (pp) 50 104 105 77.129 1 Carbon tetrachorida ugf. (pp) 50 110 112 75.158 2 Benzme ugf. (pp) 50 101 102 69.134 1 1.2.Dichlorepropene ugf. (pp) 50 106 607 71.12 1 1.2.Dichlorepropene ugf. (pp) 50 101 103 70.140 2 1.2.Dichlorepropene ugf. (pp) 50 106 607 <t< th=""><th>1,1-Dichloroethene</th><th></th><th>ug/L (ppb)</th><th></th><th></th><th></th><th>67-136</th><th></th></t<>	1,1-Dichloroethene		ug/L (ppb)				67-136	
transf.2:Dichlorecthane ugl. (pp) 50 98 90 68:128 1 1.Delchorepropane ugl. (pp) 50 118 118 55:143 0 2.2.Dichlorepropane ugl. (pp) 50 118 118 55:143 0 Chieroform ugl. (pp) 50 98 100 80:121 2 Chieroform ugl. (pp) 50 98 100 80:121 2 Lintarine (MEK) ugl. (pp) 50 106 107 73:130 1 Lintarine (MEK) ugl. (pp) 50 106 107 73:130 1 Carbon tetrachloride ugl. (pp) 50 101 102 75:183 2 Benzone ugl. (pp) 50 103 104 81:28 1 Trichorethane ugl. (pp) 50 98 99 80:120 1 Lipbichorepropane ugl. (pp) 50 101 102 77:123 1 Dicon	Methylene chloride		ug/L (ppb)		86	89	39-148	3
1.1.Dichloroethane ugl. (pp) 50 99 101 79.121 2 2.2.Dichloroptrapane ugl. (pp) 50 118 118 55.143 0 2.2.Dichloroptrapane ugl. (pp) 50 101 103 80.123 2 2.Butanone (MEK) ugl. (pp) 20 102 57.149 0 1.2.Dichloroptrapene ugl. (pp) 50 105 107 83.130 2 1.1.P.Dichloroptapene ugl. (pp) 50 106 107 83.130 2 1.2.Dichloroptapene ugl. (pp) 50 106 102 75.132 1 1.2.Dichloroptapene ugl. (pp) 50 101 102 77.123 1 1.2.Dichloroptapene ugl. (pp) 50 106 108 81.133 2 1.2.Dichloroptapene ugl. (pp) 50 101 103 70.140 2 1.2.Dichloroptapene ugl. (pp) 50 101 102 72.12 1 1.2.Dichloroptapene ugl. (pp) 50 101 102 72.12								•
2.2.Dichloropropane ug/L (pp) 50 118 118 18 65-143 0 cb1.2.Dichloropthome ug/L (pp) 50 98 100 80-121 2 Chioroform ug/L (pp) 50 98 102 102 71.49 0 1.2.Dichloropthane ug/L (pp) 50 96 97 73-132 1 1.1.J.Trichloropthane ug/L (pp) 50 106 107 78-138 2 1.1.J.Trichloropthane ug/L (pp) 50 106 107 75-138 2 Denzene ug/L (pp) 50 98 99 60.120 1 1 Trichloroptopane ug/L (pp) 50 101 102 77-123 1 Bromothita ug/L (pp) 50 106 108 81-133 2 1 Dictoromethane ug/L (pp) 50 106 102 77-123 1 Statishita ug/L (pp) 50 101 102 72-124 1 Chioroptopane ug/L (pp) 50 101								
cis-1.2 Dichformethene ug/L (ppb) 50 101 103 80-123 2 2 Butanone (MEK) ug/L (ppb) 50 102 102 57.149 0 2 Dichforechane (EDC) ug/L (ppb) 50 106 107 83-133 2 1.1.1 Trithforeethane ug/L (ppb) 50 104 105 77.123 1 Carbon tetrachloride ug/L (ppb) 50 104 105 77.123 1 Enzane ug/L (ppb) 50 108 92 69.123 1 1.2 Dichformethane ug/L (ppb) 50 108 102 77.123 1 Broandchlormethane ug/L (ppb) 50 106 108 81.33 2 Difformerthane ug/L (ppb) 50 106 103 70.140 2 cis.1.3 Dichloropropene ug/L (ppb) 50 101 102 75.122 1 trans.1.4 Dichloropropene ug/L (ppb) 50 101 102 75.122								
$\begin{array}{c c c c c c c c c c c c c c c c c c c $								
2 Buranne (MER) ug/L (pb) 50 102 102 57.149 0 1, L)-Dichlorechane ug/L (pb) 50 105 107 83.130 2 1, L)-Dichlorechane ug/L (pb) 50 104 105 77.129 1 Carbon tetrachlorde ug/L (pb) 50 101 112 75.158 2 Benzene ug/L (pb) 50 101 102 69.134 1 Trichlorothene ug/L (pb) 50 98 99 80.120 1 Bromodichloromethane ug/L (pb) 50 106 108 81.133 2 Dibromomethane ug/L (pb) 50 101 102 77.123 1 Toituen ug/L (pb) 50 101 103 70.140 2 Cis.1.3 Dichloropropene ug/L (pb) 50 103 104 76.143 1 1.12 110 102 76.123 1 1 1.12 1 1.12								
1.2. Dickhorecthane upl. (ppb) 50 96 97 73:132 1 1.1.1. Trichiorecthane upl. (ppb) 50 105 107 83:130 2 1.1.Dickhoropropene upl. (ppb) 50 104 105 77:129 1 Carbon tetrachoride upl. (ppb) 50 101 102 69:134 1 Trichloroptene upl. (ppb) 50 98 99 80:120 1 I.2. Dickloroptene upl. (ppb) 50 90 103 87:132 1 Bronadchioromethane upl. (ppb) 50 90 103 87:132 1 Tohone upl. (ppb) 50 101 102 77:123 1 Tohone upl. (ppb) 50 101 103 87:124 1 Tohone upl. (ppb) 50 101 102 77:123 1 Taras 1.3. Dichloropropane upl. (ppb) 50 101 102 77:124 1 Tohone upl. (ppb) 50 103 104 64:132 1 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
1.1-Trichloreethane ug/L (pbb) 50 105 107 83-130 2 1.1-Dichloropropene ug/L (pbb) 50 104 105 77.129 1 Carbon tetrachloride ug/L (pbb) 50 101 112 75.158 2 Benzene ug/L (pbb) 50 98 99 80.120 1 1.2 Dichloropropane ug/L (pbb) 50 101 102 77.123 1 Bromadichloromethane ug/L (pbb) 50 99 100 82.125 1 4 Methyl-2 pentanone ug/L (pbb) 50 101 102 77.123 1 Toluene ug/L (pbb) 50 103 103 70.140 2 2 1.1271rithoroethane ug/L (pbb) 50 101 102 77.123 1 1.1271rithoroethane ug/L (pbb) 50 101 102 75.126 1 1.1271rithoroethane ug/L (pbb) 50 103 103 84.133 0 1.1271rithoroethane ug/L (pbb) 50 108 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
1.1.Dichioropropene ug/L (ppb) 50 104 105 77.129 1 Carbon tetrachloride ug/L (ppb) 50 101 112 75.158 2 Benzene ug/L (ppb) 50 101 102 69.134 1 1.2.Dichioropropane ug/L (ppb) 50 106 108 81.133 2 Bromdchioromethane ug/L (ppb) 50 106 108 81.133 2 Dibromomethane ug/L (ppb) 50 101 102 77.123 1 Strondchioromethane ug/L (ppb) 50 109 100 82.125 1 4 Methyl - Zpentanone ug/L (ppb) 50 109 103 82.132 1 Tolucne ug/L (ppb) 50 101 102 77.124 1 1.1.2.Trichiorocthane ug/L (ppb) 50 101 102 75.124 1 1.2.Trichiorocthane ug/L (ppb) 50 106 107 76.121 1 1.3.Dichioropropane ug/L (ppb) 50 106 107 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
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Naphthalene ug/L (ppb) 50 104 104 64-133 0								
1,2,3-Trichlorobenzene ug/L (ppb) 50 106 107 65-136 1	1,2,3-Trichlorobenzene		ug/L (ppb)	50	106	107	65-136	1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11 Date Received: 10/27/11

Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 110397-01 (Matrix Spike)

		Reporting	s	pike	Sample	Percent Recovery	Acceptance	
Analyte		Units		evel	Result	MS	Criteria	
Dichlorodifluoromethane		ug/L (ppb)		50	<10	109	10-172	
Chloromethane		ug/L (ppb)		50	<10	99	25-166	
Vinyl chloride		ug/L (ppb)		50	<0.2	109	36-166	
Bromomethane		ug/L (ppb)		50	<1	95	47-169	
Chloroethane		ug/L (ppb)		50 50	<1	104	46-160	
Trichlorofluoromethane Acetone		ug/L (ppb) ug/L (ppb)		50 250	<1 <10	103 100	44-165 10-182	
1.1-Dichloroethene		ug/L (ppb)		50	<10	98	60-136	
Methylene chloride	4	ug/L (ppb)		50	<5	95	67-132	
Methyl t-butyl ether (MTBE)	1	ug/L (ppb)		50	<1	98	74-127	
trans-1,2-Dichloroethene		ug/L (ppb)		50	<1	98	72-129	
I,I-Dichloroethane		ug/L (ppb)		50	<1	98	70-128	
2,2-Dichloropropane		ug/L (ppb)		50	<1	93	36-154	
cis-1,2-Dichloroethene		ug/L (ppb) ug/L (ppb)		50 50	<1	99 98	71-127 65-132	
Chloroform 2-Butanone (MEK)		ug/L (ppb) ug/L (ppb)		50 250	<1 <10	98	10-129	
1.2-Dichloroethane (EDC)		ug/L (ppb)		50	<1	96	69-133	
1,1,1-Trichloroethane		ug/L (ppb)		50	<1	102	60-146	
1,1-Dichloropropene		ug/L (ppb)		50	<1	102	69-133	
Carbon tetrachloride		ug/L (ppb)		50	<1	104	. 56-152	
Benzene		ug/L (ppb)		50	<0.35	100	76-125	
Trichloroethene		ug/L (ppb)		50	<1	97	66-135	
1,2-Dichloropropane		ug/L (ppb)		50	<1	100	78-125	
Bromodichloromethane Dibromomethane		ug/L (ppb) ug/L (ppb)		50 . 50	<1 <1	104 98	61-150 66-141	
4-Methyl-2-pentanone		ug/L (ppb) ug/L (ppb)		250	<10	100	10-141	
cis-1,3-Dichloropropene		ug/L (ppb)		50	<1	101	72-132	
Toluene		ug/L (ppb)		50	<1	98	76-122	
trans-1,3-Dichloropropene		ug/L (ppb)		50	<1	103	76-130	
1,1,2-Trichloroethane		ug/L (ppb)		50	<1	98	68-131	
2-Hexanone		ug/L (ppb)		250	<10	101	10-185	
1,3-Dichloropropane		ug/L (ppb)		50	<1	99	71-128	
Tetrachloroethene		ug/L (ppb)		50 50	<1	101 104	73-129 70-139	
Dibromochloromethane 1,2-Dibromoethane (EDB)		ug/L (ppb) ug/L (ppb)		50 50	<1 <1	104	69-134	
Chlorobenzene		ug/L (ppb)		50 50	<1	97	77-122	
Ethylbenzene		ug/L (ppb)		50	<1	100	69-135	
1.1.1.2-Tetrachloroethane		ug/L (ppb)		50	<1	105	73-137	
m.p-Xylene		ug/L (ppb)		100	<2	101	69-135	
o-Xylene		ug/L (ppb)		50	<1	104	68-137	
Styrene		ug/L (ppb)		50	<1	103	71-133	
Isopropylbenzene		ug/L (ppb)		50 50	<1	102	65-142	
Bromoform n-Propylbenzene		ug/L (ppb) ug/L (ppb)		50 50	<1 <1	107 101	65-142 58-144	
Bromobenzene		ug/L (ppb)		50 50	<1	98	75-124	
1,3,5-Trimethylbenzene		ug/L (ppb)		50	<1	102	66-137	
1,1,2,2-Tetrachloroethane		ug/L (ppb)		50	<1	99	51-154	•
1,2,3-Trichloropropane		ug/L (ppb)		50	<1	97	53-150	
2-Chlorotoluene		ug/L (ppb)		50	<1	100	66-127	
4-Chlorotoluene		ug/L (ppb)		50	<1	100	65-130	
tert-Butylbenzene		ug/L (ppb)		50	<1	104 102	65-137	
1,2,4-Trimethylbenzene sec-Butylbenzene	·	ug/L (ppb) ug/L (ppb)		50 50	<1 <1	102	59-146 64-140	
p-Isopropyltoluene		ug/L (ppb)		50 50	<1	102	65-141	
1,3-Dichlorobenzene		ug/L (ppb)		50	<1	97	72-123	
1,4-Dichlorobenzene		ug/L (ppb)		50	<1	95	69-126	
1,2-Dichlorobenzene		ug/L (ppb)		50	<1	100	69-128	
1,2-Dibromo-3-chloropropane		ug/L (ppb)		50	<10	100	32-164	
1,2,4-Trichlorobenzene	1	ug/L (ppb)		50	<1	102	76-132	
Hexachlorobutadiene		ug/L (ppb)		50	<1	96	60-143	
Naphthalene		ug/L (ppb)		50 50	<1 <1	100	44-164 69-148	
1,2,3-Trichlorobenzene		ug/L (ppb)		50	<1	103	09-148	

ENVIRONMENTAL CHEMISTS

Date of Report: 11/18/11

Date Received: 10/27/11

Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110360

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

					Reporting		Spike		Percent Recovery		Percent Recovery		Acceptance		RPD	
Analyte	·				Units		Level		LCS		LCSD		Criteria		(Limit 20))
Dichlorodifluoromethane					ug/L (ppb)		50		117	1. J.	112		25-158		4	
Chloromethane Vinyl chloride					ug/L (ppb) ug/L (ppb)		50 50		99 114		97 110		45-156		2	
Bromomethane					ug/L (ppb) ug/L (ppb)		50		97		97		50-154 55-143		4 0	
Chloroethane					ug/L (ppb)		50		110		108		58-146		2	
Trichlorofluoromethane					ug/L (ppb)		50		102		100		50-150		2	
Acetone					ug/L (ppb)		250		98		96		60-155		2	
1,1-Dichloroethene Methylene chloride					ug/L (ppb) ug/L (ppb)		50 50		101 90		99 90		67-136 39-148		2	
Methyl t-butyl ether (MTBI	Ξ)				ug/L (ppb)		50	· .	101		101		64-147		0	
trans-1,2-Dichloroethene	·				ug/L (ppb)		50		97		97		68-128		0	
1,1-Dichloroethane					ug/L (ppb)		50		98		98		79-121		0	
2,2-Dichloropropane cis-1.2-Dichloroethene					ug/L (ppb) ug/L (ppb)		50 50		128 103		121 101		55-143 80-123		. 6	
Chloroform					ug/L (ppb)		50		99		99		80-123		ñ	
2-Butanone (MEK)					ug/L (ppb)		250		102		101		57-149		. 1	
1.2-Dichloroethane (EDC)					ug/L (ppb)		50		95		95		73-132		0	-
1.1.1-Trichloroethane 1.1-Dichloropropene					ug/L (ppb)		50 50		107 104		106 104		83-130		1	
Carbon tetrachloride					ug/L (ppb) ug/L (ppb)		50		110		110		77-129 75-158		·0.	
Benzene					ug/L (ppb)		50		102		101		69-134		, Î	
Trichloroethene					ug/L (ppb)		50		99		98		80-120		1.	
1,2-Dichloropropane					ug/L (ppb)		50 50		101 107		101		77-123		0	
Bromodichloromethane Dibromomethane					ug/L (ppb) ug/L (ppb)	1	50 50		99		108 98		81-133 82-125		1	
4-Methyl-2-pentanone		÷			ug/L (ppb)		250		104		102		70-140		2	
cis-1,3-Dichloropropene					ug/L (ppb)		50		110		110		82-132		Ō	
Toluene					ug/L (ppb)		50		101		101		72-122		0	
trans-1,3-Dichloropropene 1.1.2-Trichloroethane					ug/L (ppb) ug/L (ppb)		50 50		111		110 100		80-136 75-124		1	
2-Hexanone					ug/L (ppb) ug/L (ppb)		250		101		100		64-152		.1. 1.	
1,3-Dichloropropane					ug/L (ppb)		50		101		101		76-126		Ō	
Tetrachloroethene					ug/L (ppb)		50		108		108		76-121		0	
Dibromochloromethane 1.2-Dibromoethane (EDB)					ug/L (ppb)		50 50		108 102		108 103		84-133		0	
Chlorobenzene					ug/L (ppb) ug/L (ppb)		50		99		98		82-125 83-114		1	
Ethylbenzene				•	ug/L (ppb)		50		102		102	e.,	77-124		ò	
1,1,1,2-Tetrachloroethane					ug/L (ppb)		50		107		108		84-127		1	
m,p-Xylene		•			ug/L (ppb)		100		104		104		83-125		0	
o-Xylene Styrene					ug/L (ppb) ug/L (ppb)		50 50		107 107		107		86-121 85-127		0.	
Isopropylbenzene					ug/L (ppb)		50		106		105		87-122		1	
Bromoform					ug/L (ppb)		.50		111		111		74-136		0	
n-Propylbenzene					ug/L (ppb)		50		104		, 104		74-126		0	
Bromobenzene 1,3,5-Trimethylbenzene					ug/L (ppb) ug/L (ppb)		50 50		101 106	•	102 106		80-121 80-126		1	
1.1.2.2-Tetrachloroethane					ug/L (ppb)		50		100		100		66-126		0	
1,2,3-Trichloropropane					ug/L (ppb)		50		98		97		67-124		· 1	
2-Chlorotoluene					ug/L (ppb)		50		103		103		77-127		0	
4-Chlorotoluene tert-Butylbenzene					ug/L (ppb) ug/L (ppb)		50 50		102 106		103 106		78-128 85-127		. 1	
1,2,4-Trimethylbenzene					ug/L (ppb) ug/L (ppb)		50		106		106		82-127		0	
sec-Butylbenzene			+		ug/L (ppb)		50		105		105		80-125		. ŏ	
p-Isopropyltoluene					ug/L (ppb)		50		108		107		82-127		1	
1,3-Dichlorobenzene					ug/L (ppb)		50 50		101		101		85-116		0	
1,4-Dichlorobenzene 1,2-Dichlorobenzene					ug/L (ppb) ug/L (ppb)		50 50		99 103		98 102		84-121 85-116	1	.1	
1,2-Dibromo-3-chloropropan	е				ug/L (ppb)		50		106		102		57-141		3	
1.2.4-Trichlorobenzene					ug/L (ppb)		50		109		108		72-130		1	•
Hexachlorobutadiene					ug/L (ppb)		50		104		103		53-141		1	
Naphthalene 1.2.3-Trichlorobenzene					ug/L (ppb) ug/L (ppb)		50 50.		103 107		103 107		64-133 65-136		0	
1,6,0 THOMOLODENZENE					ager (hhn)				101		101		00-100		υ.	

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dy - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Seq. No. 1041 North McDowell Blvd.	CHAIN OF CUSTODY FORM 0/27/11 v5/cz 6
Lab: Friedmanż Bruya Inc (707) 793-3800	Samplers: Haely young diffec
Job Number:	
Name/Location: Crown Cheurclet Sump Excavation	ANALYSIS REQUESTED
Project Manager: Avery Patton	Recorder. (Signatore required)
MATRIX # CONTAINERS D D D D D D D D D D D D D D D D D D D	DESCRIPTION DEPTH 80 2 H H H C H H C H H C H H C H H H H H H
X 1 215 UMD-EX5-8-811102	$2 \varphi 3 5 $ X XX
X 2 3 Sump-Exis-Water-1-16 11102	261250 XXXXXXXXX
Х (ТВ101111 11102	261320 03
	╶┼╶┼╶┟╌──┨╴┼╶┼╶┼╸┽╴┥╴┤╶╎╴┥╸┥╸┥
	╶╂╶┧╴╂╶╂╼┨
ADDITIONAL INFORMATION	CHAIN OF CUSTODY RECORD
REPORT TO: Avery fatton AMEC 2101 Webster St, 12	2+ Flow Relinquished by (Signature) (Print Nade) (Company) (Date/Time)
PO#: Dukland Ch gu	4612 Man and When Phon FORT 10/22/11 080
TAT: <u>Standard</u> (510) (e103-4153 Comments: Field Filtered YN)	3 Received By (Signature): (Print Name) (Company) (Date/Time)
Comments. Field Filtered Tity	Relinquished By (Signature) (Print Name) (Company) (Date/Time)
- For TPH d, mo, mineral spirits soil samples: Use silic	a gel -
Cleanup	Received By (Signature): (Print Name) (Company) (Date/Time)
- For TPHd, mo water samples: Filter using 0.7 min glass-fiber filter prior to analysis	Relinquished By (Signature) (Print Name) (Company) (Date/Time)
	Received By (Signature): (Print Name) (Company) (Date/Time)
	Method of Shipment: Samples received at°C

White - Laboratory Copy

Yellow - Project Office Copy

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 e-mail: fbi@isomedia.com

November 17, 2011

Avery Patton, Project Manager AMEC Geomatrix 2101 Webster Street, 12th Floor Oakland, CA 94612

Dear Ms. Patton:

Included are the amended results from the testing of material submitted on October 31, 2011 from the 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 project. A qualifier has been added to the gas result.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures GMC1110R.DOC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 e-mail: fbi@isomedia.com

November 10, 2011

Avery Patton, Project Manager AMEC Geomatrix 2101 Webster Street, 12th Floor Oakland, CA 94612

Dear Ms. Patton:

Included are the results from the testing of material submitted on October 31, 2011 from the 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures GMC1110R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on October 31, 2011 by Friedman & Bruya, Inc. from the AMEC Geomatrix 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	<u>AMEC Geomatrix</u>
110406-01	SUMP-EXB-Water-2-16
110406-02	TB101311

The 8015M diesel method blank had a detection above the reporting limit. The data were flagged as due to laboratory contamination.

The 8260C vinyl chloride concentrations were flagged due to hydrochloric acid preservation per EPA SW-846 table 4-1.

All other quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 Date Extracted: 10/31/11 Date Analyzed: 10/31/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING EPA METHOD 8015M

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	<u>Gasoline Range</u> (C ₆ -C ₁₀)	Surrogate (<u>% Recovery)</u> (Limit 51-134)
SUMP-EXB-Water-2-16 110406-01	4,900 x T	118
Method Blank 01-1971 MB	<50	106

2

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 Date Extracted: 11/03/11 Date Analyzed: 11/03/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M Samples Filtered Prior to Extraction Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C10-C25)	Surrogate <u>(% Recovery)</u> (Limit 50-150)
SUMP-EXB-Water-2-16	5,600 x J	111
170300-07 911		
Method Blank	10 lc	101

Method Blank 01-1983 MB3 5/1

3

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406 Date Extracted: 11/03/11 Date Analyzed: 11/03/11

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M Samples Filtered Prior to Extraction Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Motor Oil Range</u> (C ₂₅ -C ₈₆)	Surrogate <u>(% Recovery)</u> (Limit 50-150)
SUMP-EXB-Water-2-16 110406-01	64 x J	112
Method Blank 01-1983 MB3	<50	92

ENVIRONMENTAL CHEMISTS

Date Received: 10/31/11	B-Water-2-16	Client: Project: Lab ID:	AMEC Geomatrix 0D10160070.00005 C 110406-01	rown Chevrolet
Date Extracted: 11/01/11		and the second		
Date Analyzed: 11/01/11		Data File:	110114.D	
Matrix: Water		Instrument:	GCMS4	
Units: ug/L (ppb)		Operator:	VM	
		Lower	Upper	
Surrogates:	% Recovery:	Limit:	Limit:	
1,2-Dichloroethane-d4	99	57	121	
Toluene-d8	100	63	127	
4-Bromofluorobenzene	95	60	133	
				a
	Concentration	~		Concentration
Compounds:	ug/L (ppb)	Compou	nds:	ug/L (ppb)
Ethanol	<1,000	trans-1,	3-Dichloropropene	<1
Dichlorodifluoromethane	<1		chloroethane	<1
Chloromethane	<10	2-Hexan		<10
Vinyl chloride	<0.2 pr	1.3-Dich	loropropane	<1
Bromomethane	<1		oroethene	8.9
Chloroethane	<1		chloromethane	<1
Trichlorofluoromethane	<1		omoethane (EDB)	<1
2-Propanol	<10	Chlorobe		1,800 ve 🐐
Acetone	10	Ethylber	nzene	<1 '
1,1-Dichloroethene	<1		Tetrachloroethane	<1
Hexane	<1	m,p-Xyl		<2
Methylene chloride	<5	o-Xylene		<1
t-Butyl alcohol (TBA)	<50	Styrene		<1
Methyl t-butyl ether (MTBE)	<1		lbenzene	<1
trans-1,2-Dichloroethene	<1	Bromofo		<1
Diisopropyl ether (DIPE)	<1	n-Propy	lbenzene	1.3
1,1-Dichloroethane	<1	Bromobe		<1
Ethyl t-butyl ether (ETBE)	<1	1,3,5-Tr	imethylbenzene	3.3
2,2-Dichloropropane	<1		Fetrachloroethane	<1
cis-1,2-Dichloroethene	<1		ichloropropane	<1
Chloroform	<1	2-Chloro		<1
2-Butanone (MEK)	<10	4-Chloro	otoluene	<1
t-Amyl methyl ether (TAME)	<1		ylbenzene	<1
1,2-Dichloroethane (EDC)	<1	1,2,4-Tr	imethylbenzene	9.1
1,1,1-Trichloroethane	<1		vlbenzene	<1
1,1-Dichloropropene	<1		pyltoluene	<1
Carbon tetrachloride	<1		lorobenzene	4.0
Benzene	7.1		lorobenzene	130
Trichloroethene	<1		lorobenzene	4,200 ve
1,2-Dichloropropane	<1		omo-3-chloropropane	<10
Bromodichloromethane	<1		ichlorobenzene	5.1
Dibromomethane	<1	Hexach	orobutadiene	<1
4-Methyl-2-pentanone	<10	Naphth	alene	<1
cis-1,3-Dichloropropene	<1	1,2,3-Tr	ichlorobenzene	<1
Toluene	<1			

ENVIRONMENTAL CHEMISTS

Date Received:10/31/11Date Extracted:11/02/11Date Analyzed:11/02/11	XB-Water-2-16	Client: Project: Lab ID: Data File:	AMEC Geomatrix 0D10160070.00005 Cr 110406-01 1/1000 110213.D	rown Chevrolet
Matrix: Water Units: ug/L (ppl	b)	Instrument: Operator:	GCMS4 VM	
011100, 0-8.— 4F.	-,	Lower	Upper	
Surrogates:	% Recovery:	Limit:	Limit:	
1,2-Dichloroethane-d4	99	57	121	
Toluene-d8	100	63	127	
4-Bromofluorobenzene	102	60	133	an a
	Concentration			Concentration
Compounds:	ug/L (ppb)	Compour	nds:	ug/L (ppb)
Dichlorodifluoromethane	<1,000 R		loropropane	<1,000 🖺
Chloromethane	<10,000	Tetrachl	oroethene	<1,000 /
Vinyl chloride	<200 pr	Dibromo	chloromethane	<1,000
Bromomethane	<1,000	1,2-Dibro	omoethane (EDB)	<1,000 🖤
Chloroethane	<1,000	Chlorobe		2,100
Trichlorofluoromethane	<1,000	Ethylber		<1,000 K
Acetone	<10,000		etrachloroethane	<1,000
1, 1-Dichloroethene	<1,000	m,p-Xyle		<2,000
Methylene chloride	<5,000	o-Xylene		<1,000
Methyl t-butyl ether (MTBE)	<1,000	Styrene		<1,000
trans-1,2-Dichloroethene	<1,000	Isopropy		<1,000
1, 1-Dichloroethane	<1,000	Bromofo		<1,000
2,2-Dichloropropane	<1,000	n-Propyl		<1,000
cis-1,2-Dichloroethene	<1,000	Bromobe		<1,000
Chloroform	<1,000		methylbenzene	<1,000
2-Butanone (MEK)	<10,000		etrachloroethane	<1,000
1,2-Dichloroethane (EDC)	<1,000		chloropropane	<1,000
1,1,1-Trichloroethane	<1,000	2-Chloro	-	<1,000
1,1-Dichloropropene	<1,000	4-Chloro		<1,000
Carbon tetrachloride	<1,000		ylbenzene	<1,000
Benzene	<350		methylbenzene lbenzene	<1,000 <1,000
Trichloroethene	<1,000 <1,000		lbenzene pyltoluene	<1,000
1,2-Dichloropropane			lorobenzene	<1,000
Bromodichloromethane	<1,000		lorobenzene	<1,000
Dibromomethane	<1,000 <10,000		lorobenzene	11,000
4-Methyl-2-pentanone	<1,000		omo-3-chloropropane	<10,000 K
cis-1,3-Dichloropropene Toluene	<1,000		chlorobenzene	<1,000 (
trans-1,3-Dichloropropene	<1,000		orobutadiene	<1,000
1,1,2-Trichloroethane	<1,000	Naphtha		<1,000
2-Hexanone	<10,000		chlorobenzene	<1,000
2-HOAMONC	W			_,

ENVIRONMENTAL CHEMISTS

	Client Sample ID: TB101311		Client:	AMEC Geomatrix	
	Date Received: 10/31/11		Project:	0D10160070.00005 Cr	rown Chevrolet
	Date Extracted: 11/01/11		Lab ID:	110406-02	
	Date Analyzed: 11/01/11		Data File:	110109.D	
	Matrix: Water		Instrument:	GCMS4	
j.	Units: ug/L (ppb)		Operator:	VM	
			Lower	Upper	
	0	D(Decorreru	Limit:	Limit:	
	Surrogates:	% Recovery:	57	121	•
	1,2-Dichloroethane-d4	99			
	Toluene-d8	99 10 (63	127	
	4-Bromofluorobenzene	104	60	133	· · · ·
		Concentration			Concentration
	Compounds:	ug/L (ppb)	Compour	nds:	ug/L (ppb)
	Ethanol	<1,000	trans-1,3	B-Dichloropropene	<1
	Dichlorodifluoromethane	<1	1,1,2-Tri	chloroethane	<1
	Chloromethane	<10	2-Hexan	one	<10
	Vinyl chloride	<0.2 pr	1,3-Dich	loropropane	<1
	Bromomethane	<1	Tetrachl	oroethene	/ <1
	Chloroethane	<1	Dibromo	chloromethane	<1
	Trichlorofluoromethane	<1	1,2-Dibro	omoethane (EDB)	<1
	2-Propanol	<10	Chlorobe		<1
	Acetone	<10	Ethylber	izene	<1
	1, 1-Dichloroethene	<1	· · · · · · · · · · · · · · · · · · ·	'etrachloroethane	<1
	Hexane	<1	m,p-Xyle		<2
	Methylene chloride	<5	o-Xylene		<1
	t-Butyl alcohol (TBA)	<50	Styrene		<1
	Methyl t-butyl ether (MTBE)	<1		lbenzene	<1
	trans-1,2-Dichloroethene	<1	Bromofo		<1
	Diisopropyl ether (DIPE)	<1	n-Propyl	benzene	<1
	1, 1-Dichloroethane	<1	Bromobe		<1
	Ethyl t-butyl ether (ETBE)	<1	1.3.5-Tri	methylbenzene	<1
	2,2-Dichloropropane	<1		etrachloroethane	<1
	cis-1,2-Dichloroethene	<1		chloropropane	<1
	Chloroform	<1	2-Chloro		<1
	2-Butanone (MEK)	<10	4-Chloro	toluene	<1
	t-Amyl methyl ether (TAME)	<1		ylbenzene	<1
	1,2-Dichloroethane (EDC)	<1		imethylbenzene	<1
	1,1,1-Trichloroethane	<1		lbenzene	<1
	1, 1-Dichloropropene	<1		pyltoluene	<1
	Carbon tetrachloride	<1		lorobenzene	<1
	Benzene	< 0.35	•	lorobenzene	<1
	Trichloroethene	<1		lorobenzene	<1
	1,2-Dichloropropane	<1		omo-3-chloropropane	<10
	Bromodichloromethane	<1		ichlorobenzene	<1
	Dibromomethane	<1		orobutadiene	<1
	4-Methyl-2-pentanone	<10	Naphtha		<1
	cis-1,3-Dichloropropene	<1		ichlorobenzene	<1
	Toluene	<1			. – .
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ENVIRONMENTAL CHEMISTS

Client Sample ID: Date Received: Date Extracted:	Method Blank NA 11/01/11	Project: 01 Lab ID: 01	MEC Geomatrix D10160070.00005 Crown Chev I-1936 mb	rolet
Date Analyzed:	11/01/11		l0107.D	
Matrix:	Water		CMS4	
Units:	ug/L (ppb)	Operator: V	M	
		Lower	Upper	
Surrogates:	% Recovery:	Limit:	Limit:	
1,2-Dichloroethane-c		57	121	
Toluene-d8	98	63	121 127	
4-Bromofluorobenzei		60	133	
4-DIGINOLIGOTODEILZEI	ne 100	00	100	
	Concentration		Concent	tration
Compounds:	ug/L (ppb)	Compounds	ug/L ((ppb)
Ethanol	<1,000	trans-1.3-Di	chloropropene <1	
Dichlorodifluoromet		1,1,2-Trichl		
Chloromethane	<10	2-Hexanone		
Vinyl chloride	<0.2	1,3-Dichloro		
Bromomethane	<1	Tetrachloro		and the second sec
Chloroethane	<1	Dibromochl		
Trichlorofluorometh			ethane (EDB) <1	
2-Propanol	<10	Chlorobenze		
Acetone	<10	Ethylbenzer		
1,1-Dichloroethene	<1	-	achloroethane <1	
Hexane	<1	m,p-Xylene	<2	
Methylene chloride	<5	o-Xylene	<1	
t-Butyl alcohol (TBA		Styrene	<1	
Methyl t-butyl ether		Isopropylber		
trans-1,2-Dichloroet		Bromoform		
Diisopropyl ether (D		n-Propylben		
1,1-Dichloroethane	<1	Bromobenze		
Ethyl t-butyl ether (1,3,5-Trime		
2,2-Dichloropropane			achloroethane <1	
cis-1,2-Dichloroether		1,2,3-Trichle		
Chloroform	<1	2-Chlorotolu		
2-Butanone (MEK)	<10	4-Chlorotolu		
t-Amyl methyl ether		tert-Butylbe		1. A. A.
1,2-Dichloroethane (hylbenzene <1	
1,1,1-Trichloroethan		sec-Butylber		
1,1-Dichloropropene	<1	p-Isopropylt		
Carbon tetrachloride		1,3-Dichloro		
Benzene	<0.35	1,4-Dichloro		
Trichloroethene	<1	1,2-Dichloro		
1,2-Dichloropropane		-	-3-chloropropane <10	
Bromodichloromethe		1,2,4-Trichle		
Dibromomethane	<1	Hexachlorob		
4-Methyl-2-pentanon		Naphthalen		
cis-1,3-Dichloroprope		1,2,3-Trichle		
Toluene	<1		n an Araban ann an Araban an Araban an Araban. An Araban	

ENVIRONMENTAL CHEMISTS

Client Sample ID:Method BlaDate Received:NADate Extracted:11/02/11Date Analyzed:11/02/11Matrix:WaterUnits:ug/L (ppb)	ink	Client:AMEC GeomatrixProject:0D10160070.00005 CLab ID:01-1938 mbData File:110207.DInstrument:GCMS4Operator:VM	rown Chevrolet
		Lower Upper	
Surrogates:	% Recovery:	Limit: Limit:	
1,2-Dichloroethane-d4	98	57 121	
Toluene-d8	99	63 127	
4-Bromofluorobenzene	103	60 133	
	Concentration		Concentration
Compounds:	ug/L (ppb)	Compounds:	ug/L (ppb)
Compounds:	սեւը (իրոյ	Compounda.	dgin (ppp)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1, 1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachlorcethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1, 1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	< 0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING EPA METHOD 8015M

Laboratory Code:	110390-12 (Duplica	te)	•		
Analyte	Reporting Units	Sampl Resul	-	olicate esult	Relative Percent Difference (Limit 20)
Gasoline	ug/L (ppb)	<50	•	<50	nm
Laboratory Code:	Laboratory Control	Sample			
			Percent		
	Reporting	Spike	Recovery	Acceptance)
Analyte	Units	Level	LCS	Criteria	· · · ·
Gasoline	ug/L (ppb)	1,000	99	69-134	

10

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL USING EPA METHOD 8015M

Laboratory Code: L	aboratory Control	Sample				
			Percent	Percent		
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Diesel	ug/L (ppb)	2,500	100	91	63-142	9

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL USING EPA METHOD 8015M

Laboratory (Code: Laborate	ory Contro	l Sample			
		1 × 2	Percent	Percent		4
	Reporting	Spike	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	LCS	LCSD	Criteria	(Limit 20)
Motor Oil	ug/L (ppb)	2,500	84	89	70-130	6

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 110397-01 (Matrix Spike)

· · · · · · · · · · · · · · · · · · ·				Percent	
and the second	Reporting	Spike	Sample	Recovery	Acceptance
Analyte	Units	Level	Result	MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<10	109	10-172
	ug/L (ppb)	50 50	<10	99	25-166
Chloromethane		- 50	<0.2	109	36-166
Vinyl chloride	ug/L (ppb)	50	<1	95	47-169
Bromomethane	ug/L (ppb)	5D	<1	104	46-160
Chloroethane	ug/L (ppb)	50 50	<1	103	44-165
Trichlorofluoromethane	ug/L (ppb)		<10	100	10-182
Acetone	ug/L (ppb)	250	<10	98	60-136
1,1-Dichloroethene	ug/L (ppb)	50		95	67-132
Methylene chloride	ug/L (ppb)	50	<6		
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	98	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	72-129
1,1-Dichloroethane	ug/L (pph)	50	<1	98	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	36-164
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	99	71-127
Chloroform	ug/L (ppb)	50	<1	98	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	99	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	96	69-183
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	102	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	102	69-133
Carbon tetrachloride	ng/L (pph)	50	<1	104	56-152
Benzene	ug/L (pph)	50	<0.35	100	76-125
Trichloroethene	ug/L (ppb)	60	<1	97	66-185
1.2-Dichloropropane	ug/L (pph)	60	<1	100	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	104	61-150
Dibromomethane	ug/L (ppb)	60	<1	98	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	100	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	<1	98	76-122
trans-1.3-Dichloropropene	ug/L (ppb)	60	<1	103	76-130
1.1.2-Trichlorgethane	ug/L (ppb)	60	<1	98	68-131
2-Hexanone	ug/L (ppb)	250	<10	101	10-185
1.3-Dichloropropane	ug/L (ppb)	50	<1	99	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	101	78-129
Dibromochloromethane	ug/L (ppb)	60	<1	104	70-139
1.2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	100	69-134
Chlorobenzene	ug/L (ppb)	60	<1	97	77-122
Ethylbenzene	ug/L (ppb)	50	<1	100	69-135
1.1.1.2-Tetrachloroethane	ug/L (ppb)	50	<1	105	73-137
m.p-Xylene	ug/L (ppb)	100	<2	101	69-135
o-Xylene	ug/L (ppb)	50	<1	104	68-137
Styrene	ug/L (ppb)	50	<1	103	71-133
Isonropylbenzene	ug/L (ppb)	50	<1	102	65-142
Bromoform	ug/L (ppb)	60	<1	107	65-142
n-Pronylbenzene	ug/L (ppb)	50	<1	101	58-144
Bromobenzene	ug/L (ppb)	50	<1	98	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	102	66-137
1.1.2.2-Tetrachloroethane	ug/L (opb)	50	<1	99	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	97	58-150
2-Chlorotoluene	ug/L (opb)	50	<1	100	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	100	65-130
		50	<1	104	65-137
tert-Butylbenzene	ug/L (ppb)	50	<1	104	59-146
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	102	64-140
aec-Butylbenzene	ug/L (ppb)	50	<1 <1	102	65-141
p-Isopropyltoluena	ug/L (ppb)				
1,3-Dichlarabenzene	ug/L (ppb)	50	<1	97 95	72-123 69-126
1,4-Dichlorobenzene	ug/L (upb)	50	<1		
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	100	69-128
1,2-Dibrome-3-chloropropane	ug/L (ppb)	50	<10	100	92-164 50-109
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	102	76-132
Hexachlorobutadiene	ug/L (ppb)	50	<1	96	60-143
Naphthalene	ug/L (ppb)	50	<1	100	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	103	69-148

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte		Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane		ug/L (ppb)	<u>50</u>	117	112	Orteria	
Chloromethane		ug/L (ppb)	50	99	97	45-156	4
Vinyl chloride		ug/L (ppb)	50	55 114	110	40-100	2 4
Bromomethane		ug/L (ppb)	50	97	97	55-143	Ů.
Chloroethane		ug/L (ppb)	50	110	108	58 146	2
Trichlorofluoromethane		ug/L (ppb)	50	102	100	50-150	2
Acetone		ug/L (pph)	250	98	96	60-155	2
1,1-Dichloroethene		ug/L (ppb)	50	101	99	67-136	2
Methylene chloride		ug/L (ppb)	50	90	90	39-148	ō
Methyl t-butyl ether (MTBE)		ug/L (ppb)	50	101	101	64-147	ŏ
trans-1,2-Dichloroethene		ug/L (ppb)	50	97	97	68-128	Ō
I,I-Dichloroethane		ug/L (ppb)	50	98	98	79-121	Ô.
2,2-Dichloropropane		ug/L (ppb)	50	128	121	55-143	6
cis-1,2-Dichlorcethene		ug/L (ppb)	50	103	101	80-123	2
Chloroform		ug/L (ppb)	50	99	99	80-121	Ū
2-Butanone (MEK)		ug/L (ppb)	250	102	101	57-149	1
1,2-Dichloroethane (EDC)		ug/L (ppb)	60	95	95	73-132	Ō
1,1,1-Trichloroethane		ug/L (ppb)	50	107	106	83-130	1
1,1-Dichloropropene		ug/L (ppb)	50	104	104	77-129	ō
Carbon tetrachloride		ug/L (ppb)	60	110	110	75-158	0
Benzene		ug/L (ppb)	60	102	101	69-134	1
Trichloroethene		ug/L (ppb)	50	99	98	80-120	1
1,2-Dichloropropane		ug/L (ppb)	60	101	101	77-123	0
Bromodichloromethane		ug/L (ppb)	50	107	108	81-133	1
Dibromomethane		ug/L (ppb)	50	. 99	98	82-125	1
4-Methyl-2-pentanone		ug/L (ppb)	250	104	102	70-140	2
cis-1,3 Dichloropropene		սց/Լ (րրհ)	50 ···	110	110	82-132	0
Toluene		ug/L (ppb)	50	101	101	72-122	0
trans-1,3-Dichloropropene		ug/L (ppb)	50	111	110	80-136	1
1,1,2-Trichloroethane		ug/L (ppb)	60	101	100	75-124	1
2-Hexanone		ug/L (ppb)	250	101	100	64-152	1
1,3-Dichloropropane		ug/L (ppb)	50	101	101	76-126	0
Tetrachloroethene		ug/L (ppb)	50	108	108	76-121	0
Dibromochloromethane		ug/L (ppb)	50	108	108	84-193	0
1,2-Dibromoethane (EDB)		ug/L (ppb)	50	102	103	82-125	1 .
Chlorobenzene		ug/L (ppb)	50	99	98	83-114	1
Rthylbenzene		ug/L (ppb)	50	102	102	77-124	0
1,1,1,2-Tetrachloroethane		ug/L (ppb)	50	107	108	84-127	1
m.pXylene		ug/L (ppb)	100	104	104	83-125	. 0
o-Xylene		ug/L (ppb)	50	107	107	86-121	0
Styrene		ug/L (ppb)	50	107	106	85-127	1
Isopropylbenzene		ug/L (ppb)	60	106	105	87-122	1
Bromoform		ug/L (ppb)	50	111	111	74-136	0
n-Propybonzene		ug/L (ppb)	50	104	104	74-126	0
Bromohenzene		ug/L (ppb)	50	101	102	80-121	1
1,3,5-Trimethylbenzene		ug/L (ppb)	50	106	106	80-126	0
1,1,2,2-Tetrachloroethane		ug/L (ppb)	50	100	100	66-126	0
1,2,3-Trichloropropane		ug/L (ppb)	50	98	97	67-124	1
2-Chlorotoluene		ug/L (ppb)	50	103	103	77-127	0
4-Chlorotoluene		ug/L (ppb)	50	102	103	78-128	1
tert-Butylbenzene		ug/L (ppb)	50	106	. 106	85-127	0
1,2,4-Trimethylbenzene		ug/L (pph)	6 0	106	106	82-125	0
sec-Butylbenzene		ug/L (ppb)	60 50	105	105	80-125	0
p-Isopropyltoluene		ug/L (pph)	5 0	108	107	82-127	I
1,3-Dichlorobenzene		ug/L (ppb)	50	101	101	85-116	0
1,4-Dichlorobenzene		ug/L (ppb)	50	99	98	84-121	1
1.2-Dichlorobenzene		ug/L (ppb)	50	103	102	85-116	1
1.2-Dibromo-3 chloropropane		ug/L (pph)	50	106	103	57-141	3
1,2,4-Trichlorobenzene		ug/L (pph)	50	109	108	72-130	່ 1
Hexachlorobutadiene		ug/L (pph)	50	104	103	53-141	. 1
Naphthalene		ug/L (ppb)	50	103	103	64-133	0
1,2,3-Trichlorobenzene	÷	ug/L (ppb)	50	107	107	65-136	0

ENVIRONMENTAL CHEMISTS

Date of Report: 11/10/11 Date Received: 10/31/11 Project: 0D10160070.00005 Crown Chevrolet Sump Excavation, Dublin CA, F&BI 110406

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	113	115	25-158	2
Chloromethane	ug/L (ppb)	50	100	101	45 156	ī
Vinyl chloride	ug/L (ppb)	50	111	112	50-154	1
Bromomethane	ug/L (ppb)	50	97	99	55-143	2
Chloroethane	ug/L (ppb)	50	109	110	58-146	1
Trichlorofluoromethane	ng/L (ppb)	50	102	106	50-150	4
Acetone	ng/L (ppb)	250	102	102	60-155	0
1,1-Dichloroethene	ug/L (ppb)	50	101	104	67-136	· · 8
Methylene chloride	ug/L (ppb)	50	92	94	39-148	2
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	102	101	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	98	100	68-128 79-121	2 1
1,1-Dichloroethane	ug/L (ppb)	50 50	100 111	101 119	55-143	7
2,2-Dichloropropane	ug/L (ppb) ug/L (ppb)	50	102	105	80-123	3
cis-1,2-Dichloroethene		50	102	100	80-121	1
Chloruform	ug/L (ppb) ug/L (ppb)	250	100	101	57-149	i
2-Butanone (MEK) 1.2-Dichloroethane (EDC)	ug/L (ppb)	£00 60		98	73-132	0
1,2-Dichloroethane	ug/L (ppb)	50	105	107	83-130	2
1.1-Dichloropropene	ug/L (ppb)	50	103	106	77-129	2
Carbon tetrachloride	ug/L (ppb)	50	111	112	75-158	ī
Benzens	ug/L (ppb)	50	102	104	69-134	2
Trichloroethene	ug/L (ppb)	50	99	101	80-120	2
1,2-Dichloropropane	ug/L (ppb)	50	102	104	77-123	2
Bromodichloromethane	ug/L (ppb)	50	107	109	81-133	2
Dibromomethane	ug/L (ppb)	50	100	102	82-325	2
4-Methyl-2-pentanone	ug/L (ppb)	250	103	104	70-140	1
cis-1,8-Dichloropropene	ug/L (ppb)	50	109	112	82-132	- 8
Toluene	ug/L (ppb)	50	102	102	72-122	0
trans-1,8-Dichloropropene	ug/L (ppb)	50	111	111	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	101	102	75-124	. 1
2-Hexanone	ug/L (ppb)	250	104	103	64-152	1
1,3-Dichloropropane	ug/L (ppb)	50	102	103	76-126	1
Tetrachloroethene	ug/L (ppb)	60	106	108	76-121	2
Dibromochloromethane	ug/L (ppb)	50	108	109	84-193	. 1 .
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	103	104	82-125	1
Chlorobenzene	ug/L (pph)	60	99	100 103	83-114 77-124	1 1
Ethylbenzene	ug/L (ppb)	50	102		84-127	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	107 103	109 104	83-125	1
m.n-Xylene	ug/L (ppb)	100 50	103	104	86-121	1
o-Xylene	ug/L (ppb)	50	107	105	85-127	0
Styrene	ug/L (ppb) ug/L (ppb)	50	107	106	87-122	0
Isopropyibenzene Bromoform	ug/L (opb)	50	111	112	74-136	1
n-Propylbenzene	ug/L (ppb)	50	104	105	74-126	i
Bromobenzene	ug/L (ppb)	60	101	101	80-121	Ô
1.3.5-Trimethylbenzene	ug/L (ppb)	50	106	106	80-126	ŏ.
1.1.2.2-Tetrachloroethane	ug/L (ppb)	60	102	102	66-126	ŏ
1.2.8-Trichloropropane	ug/L (ppb)	60	99	98	67-124	1
2-Chloroteluene	ug/L (ppb)	50	103	108	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	103	103	78-128	0
tert-Butylbenzene	ug/L (ppb)	50	107	107	85-127	0
1.2.4-Trimethylbenzene	ug/L (ppb)	50	106	106	82-125	0
sec-Butylbenzene	ug/L (ppb)	50	105	106	80-125	1
p-Isopropyltoluene	ug/L (ppb)	50	108	108	82-127	0
1.3-Dichlorobenzene	ug/L (ppb)	50	101	101	85-116	0
1,4-Dichlorobenzene	ug/L (ppb)	50	99	100	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	102	103	85-116	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	104	106	67-141	2
1.2,4-Trichlorobenzene	ug/L (ppb)	50	107	109	72-130	2
Hexachlorobutadiene	ug/L (ppb)	50	101	102	53-141	1
Naphthalene	ug/L (ppb)	50	103	104	64-133	1
1,2,3 Trichlorabenzene	ug/L (ppb)	50	106	107	65-136	· · 1

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 – More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc – The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j – The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

il - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc – The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr-The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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Seq. No. 1043 1465 North MoDowell Blvd. CHAIN OF CUS FOD Suite 200	FORM MP 10/31/11 Va/202				
Lab: Friedmang Bruys, Inc. Petaluma, CA 94954 Samplers: Hady young (707) 793-3800					
Job Number: 0010160070,00005	- -				
Name/Location: Crown Chevrolet Sump Excavation, Dublin CA	ANALYSIS REQUESTED				
Project Manager: <u>Avery Patton</u> Recorder: <u>Manager</u>					
MATRIX # DATE STATION CONTAINERS DESCRIPTION	82606 (VOCS) 8270 TITLE 22 METALS TPHOJME (BUCO TPHOJME (BUCO TFHOJME (BUCO TFHOJME (BUCO TELITER VISING TELITER DELIS				
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ADDITIONAL INFORMATION CHAIN OF CUSTODY RECORD REPORT TO: Aven Patton Hacky Lang Amer 10/28/1. C 144					
REPORT TO: Avery Patton Relinquiched By Signatur	e) (Print Name) (Company) , (Date/Time)				
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TAT: Standard Received By (Signature):	(Print Name) (Company) (Date/Time)				
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* Filter sample # Sump-EXB-Water-2-16 using a -					
0.7 micron glass-fiber filter prior to BCIS (intellysis. Received By (Signature):	(Print Name) (Company) (Date/Time)				
AMEC ZIOI Webster St, 12th Floor Relinquished By (Signatur	re) (Print Name) (Company) (Date/Time)				
Cakland, CA 941012 Received By (Signature):	(Print Name) (Company) (Date/Time)				
(510) 1063-4153 Method of Shipment:					