CROWN
CHEVROLET • CADILLAC • ISUZU
7544 Dublin Blvd.
P.O. Box 2010
Dublin, California 94568
(925) 828-6500
www.crowndublin.com

RECEIVED
3:33 pm, Apr 05, 2011
Alameda County
Environmental Health

April 4, 2011

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

Subject: **Revised Soil and Groundwater Investigation 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 *Revised Soil and Groundwater Investigation 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 soil and groundwater investigation activities conducted by AMEC Geomatrix, Inc. (AMEC), on behalf of Crown Chevrolet Cadillac Isuzu, in September 2010.

The report has been revised to correct the units on certain analytical results in one table and to further justify the use of silica gel preparation on samples analyzed for extractable total petroleum hydrocarbons.

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,

Patrick Costello
Owner
Crown Chevrolet Cadillac Isuzu

Attachment: Revised Soil and Groundwater Investigation Report

cc: Greggory Brandt, Wendel, Rosen, Black & Dean LLP
John Mullan, Zurich North American Insurance
Thomas L. Vormbrock, Rimkus Consulting Group, Inc.
Mark Cameron, Miller, Starr, Regalia
Ed Conti, AMEC Geomatrix, Inc.

"Where people make the difference."

REVISED SOIL AND GROUNDWATER INVESTIGATION REPORT

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

Prepared for:
Crown Chevrolet Cadillac Isuzu

Prepared by:
AMEC Geomatrix, Inc.

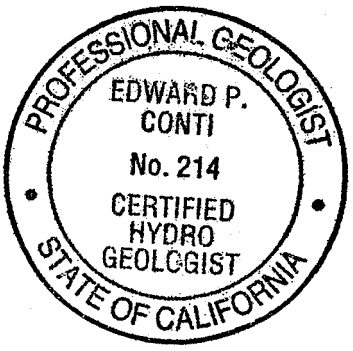
April 4, 2011

Project OD10160070

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

April 4, 2011
Project OD10160070

This report was prepared by AMEC Geomatrix, Inc. under the professional supervision of Edward P. Conti. 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.



Edward P. Conti, C.E.G., C.HG.
Principal Geologist

TABLE OF CONTENTS

Page

TABLES

FIGURES

APPENDICES

REVISED SOIL AND GROUNDWATER INVESTIGATION REPORT

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

AMEC Geomatrix, Inc. (AMEC), has prepared this revised report on behalf of Crown Chevrolet Cadillac Isuzu 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 and groundwater sampling conducted by AMEC at the site from September 27 through 29, 2010, and replaces the *Soil and Groundwater Investigation Report* dated November 16, 2010. This report was revised in response to a letter from Alameda County Environmental Health Department (ACEH) to Terri Costello of the Betty J. Woolverton Trust and Patrick Costello of Crown Chevrolet, dated January 6, 2011. Revisions include an expanded justification for the use of silica gel preparation for extractable total petroleum hydrocarbon analyses and correction of the units for naphthalene concentrations presented in Section 4.2.2 and Table 2.

1.0 OBJECTIVES

The objectives of the soil and groundwater sampling were to attempt to identify potential contamination source areas and delineate the extent of impacts associated with such source areas at the site.

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 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 at both the Montgomery Ward (Environmental Audit, Inc., 1996) property across Dublin Boulevard to the north of the site and at Quest Laboratory (Bureau Veritas, 2009), immediately south of the site, at depths of 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 data from monitoring associated with the Montgomery Ward property. A recent investigation at Quest Laboratory identified groundwater flow to the north, toward the site. Later measurements at Quest Laboratory indicated groundwater flow to the southeast.

In October 2008, Basics Environmental, Inc. (Basics), performed a Phase I environmental site assessment, which summarized the site's history and use (Basics, 2008). Another Phase I environmental site assessment was performed by AEI Consultants, and submitted in the same month (AEI, 2008). Based on the Phase I reports, which documented similar information, Basics performed a limited soil and groundwater investigation in February 2009, advancing 10 borings for the collection of soil and grab groundwater samples near potential sources of contamination.

The results were documented in a report titled *Limited Phase II Environmental Sampling Report* (Phase II report, Basics, 2009).

In March 2010, ACEH requested a work plan for additional soil and groundwater investigation (ACEH, 2010a). A *Work Plan for Soil and Groundwater Investigation* (work plan) was prepared by AMEC and submitted to ACEH in June 2010 (AMEC, 2010), and approved by ACEH on August 20, 2010 (ACEH, 2010b).

3.0 FIELD AND LABORATORY METHODS

Activities performed during the September 2010 soil and groundwater investigation included collection and analysis of soil and grab groundwater samples from twelve locations at the site (Figure 2). A sampling matrix (Table 1) summarizes samples collected and analyses performed.

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

3.1 FIELD METHODS

Twelve soil borings were advanced under the supervision of an AMEC field geologist using dual-tube, direct-push technology, from September 27 through 29, 2010. The borings were advanced to total depths ranging from 15 to 20 feet below ground surface (bgs) by PeneCore Drilling, of Woodland, California, a California C57-licensed contractor.

The recovered soil core from each soil boring location was described by an AMEC field geologist, under the supervision of an AMEC California Professional Geologist, using the visual-manual procedures of the ASTM International Standard D 2488 for guidance, which is based on the Unified Soil Classification System (USCS). Recovered soils were generally screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). The recorded PID readings are shown on the lithologic logs prepared for each boring (Appendix B).

Soil samples were collected based on field observations of potential contamination (e.g., staining, odor, or PID reading), or, in the absence of observations of potential contamination, samples were collected from 3.0 feet bgs and/or from near the top of the zone of saturation, in accordance with the work plan. In some cases where samples were collected based on observations of potential contamination, additional samples were collected above and below the potentially contaminated sample to help vertically delineate possible impacts to soil.

Soil samples for analysis of volatile compounds (i.e., VOCs and total petroleum hydrocarbons as gasoline [TPHg]) were collected into laboratory-supplied volatile organic analysis (VOA) containers, equipped with preservatives appropriate for the desired analyses, using a new,

clean plastic plunger for each sample. Soil samples for other analyses were collected into laboratory-supplied jars.

Once each soil boring had been advanced to total depth, at locations where the work plan called for a grab groundwater sample to be collected (i.e., all locations except SB-09), temporary polyvinyl chloride (PVC) casing with a 0.01-inch slotted screen was installed in the boring, and the outer casing was retracted to allow groundwater to enter the boring. Prior to collection of each groundwater sample, the casing was purged using a peristaltic pump and new, disposable tubing. Purging continued until the water was relatively clear (up to approximately 0.4 gallons of water was purged from each boring). Following purging, a grab groundwater sample was collected into laboratory-provided containers equipped with preservatives appropriate for the desired analyses, using the same methodology as was used to purge the boring.

The soil and groundwater samples were immediately labeled with unique identifiers and placed into zip-closure plastic bags. Samples were stored in ice-chilled coolers pending transport under AMEC chain-of-custody procedures to TestAmerica Laboratories, Inc., of Pleasanton, California, a California Department of Public Health−certified analytical laboratory.

Following completion of sampling, the borings were backfilled using a tremie pipe from total depth to ground surface with neat cement grout.

3.2 LABORATORY ANALYTICAL METHODS

The soil and grab groundwater samples were analyzed for one or more of the following analyses:

- VOCs, including benzene, toluene, ethylbenzene, and xylenes (BTEX, collectively), and methyl tert-butyl ether (MTBE), using U.S. Environmental Protection Agency (U.S. EPA) Method 8260B; or for BTEX and MTBE only.
- TPHg using U.S. EPA Method 8260B.
- Total petroleum hydrocarbons quantified as diesel (TPHd) and motor oil (TPHmo) using U.S. EPA Method 8015B, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C. In addition, from each boring where a groundwater sample was collected for TPHd and TPHmo analyses, a duplicate grab groundwater sample was collected and filtered by the laboratory using a 0.7-micron glass-fiber filter prior to analysis, in order to provide an analysis that limits representation of TPH in the extractible range that may be adsorbed onto sediment present in the grab groundwater samples.
- Polynuclear aromatic hydrocarbons (PAHs) using U.S. EPA Method 8270C with selective ion monitoring (SIM).
- Total chromium using U.S. EPA Method 6020. The work plan specified that samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. After this error was noted, the

analytical laboratory used some remaining sample volume (from a different, unpreserved container) to filter and perform a dissolved total chromium analysis. All laboratory results (filtered and unfiltered) are presented in this report.

- Dissolved hexavalent chromium using U.S. EPA Method 7199.

3.3 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), and the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (U.S. EPA, 2010).

Quality assurance procedures for soil samples included the collection and analysis of one matrix spike/matrix spike duplicate (MS/MSD) sample; laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs); and evaluation of the analytical results.

Quality assurance procedures for groundwater samples included the collection and analysis of one blind field duplicate sample and two MS/MSD samples; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs; and evaluation of the analytical results.

Based on an evaluation of data quality, some data were qualified as positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"); some data were qualified as estimated quantities that may be biased low (qualified with "J-"); and some data were qualified as not detected at a level greater than or equal to the laboratory reporting limit, but the laboratory reporting limit is approximate and may be inaccurate or imprecise (qualified with "UJ"). 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 complete data quality review is included in Appendix C.

3.4 INVESTIGATION-DERIVED WASTE

Monitoring well purge water, equipment decontamination water, and soil cuttings were generated during the drilling and sampling activities performed at the site in September 2010. The purge water and equipment decontamination water were combined and placed in one Department of Transportation (DOT)–approved, 55-gallon drum. The soil cuttings were placed in a second DOT-approved 55-gallon drum. The drums were temporarily stored at the site and then removed from the site by NRC Environmental Services, Inc. (NRC), on November 12, 2010 and delivered to Crosby & Overton, Inc., of Long Beach, California. One soil sample (IDW-1) and one water sample (IDW-2) were collected from the drums for waste characterization

purposes. Copies of the laboratory analytical reports and sample chain-of-custody records are included in Appendix D.

4.0 RESULTS

The field observations and laboratory analytical results for the soil and grab groundwater sampling performed in September 2010 are summarized below. The laboratory analytical results are presented in Tables 2 through 5 and on Figures 3 through 7. Table 1 provides a matrix of samples and analyses. Copies of the laboratory analytical reports and sample chain-of-custody records are included in Appendix D.

The laboratory analytical results are 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.

4.1 FIELD OBSERVATIONS

Soil encountered during this investigation consisted of lean clay with varying amounts of sand, to the total explored depth of 20 feet bgs, with the exception of thin (up to 0.6-foot-thick) lenses of clayey sand in borings SB-06, SB-07, and SB-08, at depths ranging from 6.5 to 13.5 feet bgs. Additionally, clayey sand with gravel (likely fill material) was present from beneath the concrete slab at the ground surface to approximately 4.7 feet bgs in boring SB-04, and from approximately 1.5 to 4.5 feet bgs in boring SB-10.

Saturated soil was not observed, likely due to the clay content of the soil. However, groundwater was measured prior to sampling at depths ranging from 9.2 to 15.5 feet bgs in the borings (the depth to groundwater was not measured in borings SB-04, SB-09, and SB-12).

Discoloration and/or elevated PID readings were encountered in several of the borings. PID readings up to 26 parts per million (ppm) were recorded from approximately 11 to 13 feet bgs in boring SB-02, and from approximately 5.5 to 8.5 feet bgs in boring SB-10. PID readings up to 5,800 ppm were recorded from approximately 3.0 feet bgs in boring SB-03, where VOCs were part of the analytical suite (Section 4.2.3); however, equipment malfunction prevented collection of PID readings from deeper soil in boring SB-03, as well as from boring SB-05. Greenish-colored soil, which may indicate the presence or former presence of petroleum hydrocarbons, was encountered in borings SB-01 through SB-05, and SB-09, at varying depths (see Appendix B).

4.2 SOIL ANALYTICAL RESULTS

Analytical results for soil samples collected during the September 2010 investigation are discussed in the following sections.

4.2.1 Total Petroleum Hydrocarbons

Results for TPH in soil are presented in Table 2 and on Figure 3, which also presents the results from Basics' investigation in 2009. TPHg was detected in three soil samples from three borings (SB-01, SB-02, and SB-03). TPHg was detected at 1,200 mg/kg in the 3.2-foot sample from boring SB-03, exceeding the ESL of 83 mg/kg. However, the chromatogram for this sample did not resemble the gasoline standard; the TPHg value reported is likely due to the presence of non-gasoline VOCs in the sample (Section 4.2.3). No other TPHg results exceeded the ESL.

TPHd was detected in five soil samples from five borings, and TPHmo was detected in one soil sample; no TPHd or TPHmo results exceeded their respective ESLs.

A silica gel preparation preparation was performed prior to analysis for TPHd and TPHmo. In their letter to Terri Costello of the Betty J. Woolverton Trust and Patrick Costello of Crown Chevrolet, dated January 6, 2011, ACEH expressed a concern that silica gel preparation might cause a negative bias by removing petroleum hydrocarbons from a sample. However, the results for TPHd and TPHmo were very similar between Basics' 2009 investigation and AMEC's 2010 investigation; it is therefore unlikely that silica gel preparation biased AMEC's results low. Further discussion regarding silica gel preparation is presented below, in Section 4.3.1.1.

4.2.2 Polynuclear Aromatic Hydrocarbons

Results for PAHs in soil are presented in Table 2 With the exception of low levels of naphthalene (detected at concentrations up to an estimated 0.0094 mg/kg, well below the ESL of 1.3 mg/kg) detected in four soil samples from three borings (SB-06, SB-08, and SB-09), PAHs were not detected in any soil samples.

4.2.3 Volatile Organic Compounds

Results for VOCs in soil are presented in Table 3 and on Figure 4, which also presents the results from Basics' investigation in 2009. Results for chlorobenzene (detected at concentrations up to 90,000 µg/kg), 1,2-dichlorobenzene (detected at concentrations up to 30,000 µg/kg), and/or 1,4-dichlorobenzene (detected at concentrations up to 5,400 µg/kg) in soil were greater than their respective ESLs for samples collected from four depths (i.e., from approximately 2.8 to 11.5 feet bgs) from boring SB-03, adjacent to a sump in the area known as Service Area 2 of Building B at the site.

4.3 GRAB GROUNDWATER ANALYTICAL RESULTS

Analytical results for grab groundwater samples collected during the September 2010 investigation are discussed in the following sections.

4.3.1 Total Petroleum Hydrocarbons

Results for TPH in groundwater are presented in Table 4 and on Figure 5, which also presents the results from Basics' investigation in 2009. TPHg was detected in groundwater from one boring (SB-02). Where analyzed, TPHd was detected in unfiltered groundwater samples from two borings (SB-07 and SB-12), and TPHmo was not detected in the filtered or unfiltered groundwater samples from any boring. No TPHg, TPHd, or TPHmo results for groundwater exceeded their respective ESLs. It should be noted that the laboratory reporting limits for all TPHmo analyses (i.e., from 300 to 320 µg/L) exceed the ESL of 100 µg/L. However, the method detection limit for unfiltered TPHmo analyses is 130 µg/L (and is up to 140 µg/L for filtered TPHmo analyses); TPHmo was not detected at or above the method detection limit in any sample.

The groundwater results presented above contrast with the findings of the Basics investigation in 2009, where the results for TPH in groundwater exceeded ESLs for all samples collected. Potential reasons for this distinction include analytical methodology and sampling methodology, as discussed further below.

4.3.1.1 Analytical Methodology

In accordance with the approved work plan (AMEC, 2010), the laboratory performed a silica gel preparation procedure prior to analysis of samples for TPHd and TPHmo. The purpose of the silica gel preparation is to remove polar compounds which can bias total petroleum hydrocarbon analyses using U.S. EPA Method 8015.

Petroleum hydrocarbons are non-polar compounds, but many polar non-hydrocarbon compounds (including alcohols and organic acids, and other compounds found in biogenic organic matter) typically occur in soil and groundwater. These polar compounds would be be reported as TPH using the standard U.S. EPA Method 8015, but can be removed using a silica gel preparation procedure (Foote and Zemo, 2003; Lundgard and Sweeney, 2004).

In their letter to Terri Costello of the Betty J. Woolverton Trust and Patrick Costello of Crown Chevrolet, dated January 6, 2011, ACEH expressed a concern that silica gel preparation might cause a negative bias by removing dissolved petroleum hydrocarbons from a sample, but this is not the case. First, the analytical laboratory introduces a discrete hydrocarbon surrogate spike, which, if properly recovered, demonstrates that hydrocarbons have been retained in the extract following silica gel preparation. For the investigation described in this report, recovery of the surrogate p-terphenyl in groundwater samples ranged from 87 to 105 percent, within the laboratory's acceptable range. Second, a paper by Zemo and Foote indicates that "silica gel

preparation should make virtually no difference in cases where groundwater is in fact affected only by dissolved petroleum hydrocarbons." The paper discusses a site where groundwater was impacted with a fuel mixture and TPH was analyzed with and without silica gel preparation, finding similar concentrations (Zemo and Foote, 2003). Third, Lundegard and Sweeney used prepared standard mixtures (from carbon range C8 to C30) and found that silica gel preparation did not produce a negative bias on concentrations of petroleum constituents (Lundegard and Sweeney, 2004).

Furthermore, the California State Water Resources Control Board's (SWRCB's) draft Leaking Underground Fuel Tank Guidance Manual recommends the use of silica gel preparation prior to analysis of soil and groundwater for TPH in the diesel and oil ranges and also references Regional Water Board and California Department of Toxic Substances Control documents that recommend the same (SWRCB, 2010).

As noted above, use of a silica gel preparation procedure prior to analysis of the samples collected by AMEC in September 2010 for TPHd and TPHmo analysis is consistent with the approved work plan (AMEC, 2010).

A silica gel preparation procedure was not performed prior to analysis for TPHd and TPHmo on the samples collected by Basics in 2009. It is therefore likely that non-petroleum hydrocarbons contributed to the quantitation of TPH in Basics' 2009 investigation.

4.3.1.2 Sampling Methodology

AMEC used a dual-tube sampling system to advance the soil borings, which allows the soil core to be removed from the boring without removing the outer casing. In its 2009 investigation, Basics used a sampling system in which the sampling barrel is completely removed from the borehole every five feet in order to retrieve a sample. Using such a technique, it is possible for shallower soil or materials from the ground surface to enter the boring before a sample is collected.

Furthermore, copies of the laboratory analytical reports included in Basics' Phase II report indicated that each groundwater sample contained at least 1% sediment. It is therefore possible that the results of the 2009 investigation overestimate the concentrations of TPH dissolved in groundwater due to quantification of hydrocarbons and/or polar non-hydrocarbon compounds that may have been adsorbed onto sediment particles rather than dissolved in the groundwater.

4.3.2 Polynuclear Aromatic Hydrocarbons

Results for PAHs in groundwater are presented in Table 4. PAHs were not detected in any groundwater samples.

4.3.3 Volatile Organic Compounds

Results for VOCs in groundwater are presented in Table 5 and on Figure 6, which also presents the results from Basics' investigation in 2009. Results for benzene (detected at 1.5 µg/L), chlorobenzene (detected at 84 µg/L), and 1,2-dichlorobenzene (detected at 42 µg/L) in groundwater were greater than their respective ESLs for the samples collected from boring SB-03, adjacent to the sump in the area known as Service Area 2 of Building B at the site. Tetrachoroethene, trichloroethene, cis-1,2-dichloroethene, and 1,4-dichlorobenzene, were also detected in the groundwater sample from boring SB-03; however, these concentrations were below their respective ESLs. VOCs were not detected in any of the other groundwater samples analyzed for VOCs.

4.4 CHROMIUM

Four grab groundwater samples (i.e., SB-05, SB-06, SB-07, and SB-08) were analyzed for total and hexavalent chromium; results are presented in Table 5 and on Figure 7, which also presents the results from Basics' investigation in 2009. The September 2010 investigation results are discussed below.

- Dissolved hexavalent chromium was detected in all samples analyzed; no results exceeded the ESL.
- Total chromium (unfiltered) was detected in all samples analyzed; the result for sample SB-06 (250 µg/L) exceeded the ESL for total chromium (50 µg/L).
- Dissolved total chromium was detected in all samples analyzed. The results ranged from 2.3 to 3.3 µg/L, well below the ESL for total chromium (50 µg/L); however, the results are estimated quantities, and may be biased low, as discussed below.

The work plan specified that the samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. Therefore, the resultant total chromium values likely overestimate the concentration of chromium that is dissolved in groundwater. After this error was noted, AMEC requested that samples SB-05, SB-06, SB-07, and SB-08 be reanalyzed by the analytical laboratory, which filtered some remaining sample volume (from a different, unpreserved container) and then performed dissolved total chromium analysis on each sample. However, since the unfiltered samples were stored in unpreserved glass containers, rather than being filtered and then stored in preserved plastic containers as required by the analytical method, the dissolved total chromium results were qualified as estimated and may be biased low. The data qualification is discussed further in the data quality review (Appendix C).

5.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations based on evaluation of the results of the soil and groundwater sampling conducted in September 2010 and reported herein and the results of Basics' investigation in 2009 are presented below.

5.1 SOIL

No source of TPH in soil has been identified. The TPHg detection in boring SB-03 is likely due to the presence of non-gasoline VOCs, as discussed in Section 4.2.1.

Based on the results of our September 2010 investigation and Basics' 2009 investigation, the source of the VOCs detected in soil is the sump adjacent to the hot parts washer in the area known as Service Area 2 of Building B (Basics, 2008). It is our understanding that the hot parts washer is no longer used. The horizontal and vertical extents of VOCs in soil greater than ESLs have not been fully delineated.

5.2 GROUNDWATER

Basics' investigation in 2009 indicated the presence of TPH in groundwater beneath the site at concentrations that exceeded ESLs. However, our September 2010 investigation found no source of TPH in groundwater, and did not identify TPH in groundwater that exceeded ESLs. Possible reasons for the discrepancy between the results of the two investigations are discussed above, in Section 4.3.1.

Based on the results of this investigation and the Basics investigation in 2009, the source of the VOCs detected in groundwater is the sump adjacent to the hot parts washer in Service Area 2 of Building B (Basics, 2008). Concentrations of VOCs in groundwater did not exceed ESLs in the sample from Basics' boring B10, approximately 60 feet east-southeast of the sump, indicating that VOC concentrations in groundwater rapidly attenuate in the presumed hydraulically downgradient direction from the sump (i.e., east-southeast). Based on this information, VOCs have been adequately delineated in groundwater at the site.

No source of chromium in groundwater has been identified. Basics' investigation in 2009 indicated that dissolved total chromium was present in groundwater above the ESL at one location in Auto Body Shop 2 of Building C. AMEC's initial analysis of total chromium was performed on unfiltered samples, and one result at the eastern property boundary exceeded the ESL. However, subsequent analysis of dissolved total chromium indicated that concentrations of dissolved total chromium in groundwater do not exceed the ESL. Although the results are estimated and may be biased low, the results are well below the ESL.

5.3 RECOMMENDATIONS

AMEC recommends that Crown Chevrolet address the VOC impacts in the vicinity of the existing sump in the area known as Service Area 2 of Building B.

Results from AMEC's investigation indicate the presence of some VOCs in soil above their respective ESLs from approximately 3.0 feet bgs to the maximum depth sampled in boring SB-03 of 11.5 feet bgs. TPHg was also detected above its ESL at 3.2 feet bgs; however, the

reported TPHg concentration is likely due to quantification of non-gasoline VOCs present in the sample. Our results also indicate the presence of VOCs in groundwater above ESLs in the vicinity of the sump.

AMEC recommends a limited excavation be performed in the area of the sump in order to remove accessible soil containing VOCs, and dewatering in conjunction with the excavation to reduce the mass of VOCs in groundwater. Confirmation soil sampling from the walls and floor of the excavation should be performed to assess the presence of remaining soil containing VOCs, if any. VOCs remaining in groundwater, following excavation to remove the source material and dewatering, would be expected to naturally attenuate. Groundwater monitoring should be performed following excavation and dewatering to verify natural attenuation of the VOCs in groundwater.

No further action is recommended relative to chromium, PAHs, and TPH.

6.0 REFERENCES

AEI Consultants (AEI), 2008, Phase I Environmental Site Assessment, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, October 29.

Alameda County Environmental Health Department (ACEH), 2010a, Site Investigation for Fuel Leak Case No. RO000314 and GeoTracker Global ID T10000001616, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard, Dublin, CA, 94568, March 24.

ACEH, 2010b, Site Investigation for Fuel Leak Case No. RO0003014 and GeoTracker Global ID, T10000001616, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard, Dublin, CA, 94568, August 20.

AMEC Geomatrix, Inc. (AMEC), 2010, Soil and Groundwater Investigation Work Plan, Crown Chevrolet Cadillac Isuzu, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, Fuel Leak Case No. RO0003014, June 15.

Bureau Veritas, 2009, Additional Soil and Groundwater Investigation (Fuel Leak Case No. RO0002860), Former Quest Laboratory, 6511 Golden Gate Drive, Dublin, California, March 13.

Basics Environmental, Inc. (Basics), 2008, Phase I Environmental Site Assessment, 7544 Dublin Boulevard and 6707 Golden Gate Drive, Dublin, California, October 14.

Basics, 2009, Limited Phase II Environmental Site Sampling Report, 7544 Dublin Boulevard & 6707 Golden Gate Drive, Dublin, California, March 16.

California Regional Water Quality Control Board, San Francisco Region (Regional Water Board), 2007, Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, November, revised May 2008.

California State Water Resources Control Board (SWRCB), 2010, Leaking Underground Fuel Tank Guidance Manual, Draft for Public Comment, Version 2.0, October 4.

Environmental Audit, Inc., 1996, Ground Water Monitoring Report, Fourth Quarter 1996, Montgomery Ward Auto Service Center, 7575 Dublin Boulevard, Dublin, California, December 12.

Lundegard, P.D. and R. E. Sweeney, 2004, Total Petroleum Hydrocarbons in Groundwater—Evaluation of Nondissolved and Nonhydrocarbon Fractions, Environmental Forensics, Vol. 5, No. 2: 85-95, March.

U.S. Environmental Protection Agency (U.S. EPA), 2008, USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540-R-08-01, June.

U.S. EPA, 2010, USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51. EPA 540-R-10-011, January.

Zemo, D.A. and G.R. Foote. 2003, The technical case for eliminating the use of the TPH analysis in assessing and regulating dissolved petroleum hydrocarbons in ground water, Ground Water Monitoring & Remediation, Vol. 23, No. 3: 95-104.

TABLES

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

Location	Total Depth of Boring (feet bgs)	Sample Depth (feet bgs)	Sample ID	VOCs, TPHg [2]	BTEX, MTBE, TPHg [2]	TPHd/ TPHmo [3]	PAHs [4]	Chromium [5]
SB-01	20.0	11.7	SB-01-11.7	--	X	--	--	--
		13.8	SB-01-13.8	--	X	--	--	--
		GW	SB-01	--	X	--	--	--
SB-02	17.5	9.1	SB-02-9.1	--	X	--	--	--
		11.5	SB-02-11.5	--	X	--	--	--
		GW	SB-02	--	X	--	--	--
SB-03	16.0	1.3	SB-03-1.3	X	--	--	--	--
		2.8	SB-03-2.8	X	--	--	--	--
		3.2	SB-03-3.2	X	--	--	--	--
		6.5	SB-03-6.5	X	--	--	--	--
		11.5	SB-03-11.5	X	--	--	--	--
		GW	SB-03	X	--	--	--	--
SB-04	16.0	3.0	SB-04-3.0	--	X	X	X	--
		7.0	SB-04-7.0	--	X	X	--	--
		8.5	SB-04-8.5	--	X	X	--	--
		12.0	SB-04-12	--	X	X	X	--
		GW	SB-04 [6]	--	X (DUP)	X (DUP)	X (DUP)	--
SB-05	15.0	0.7	SB-05-0.7	--	--	X	X	--
		2.0	SB-05-2	--	--	X	--	--
		11.5	SB-05-11.5	--	--	X	X	--
		GW	SB-05	--	--	X	X	X
SB-06	15.0	3.0	SB-06-3.0	--	--	X	X	--
		11.0	SB-06-11.0	--	--	X	X	--
		GW	SB-06	--	--	X	X	X
SB-07	17.0	13.2	SB-07-13.2	--	--	X	X	--
		GW	SB-07	--	--	X	X	X
SB-08	20.0	15.7	SB-08-15.7	--	X	X	X	
		GW	SB-08	--	X	X	X	X
SB-09	15.0	3.0	SB-09-3.0	--	--	X	--	--
		4.9	SB-09-4.9	--	--	X	X	--
		6.0	SB-09-6.0	--	--	X	--	--
		12.0	SB-09-12.0	--	--	X	X	--
SB-10	16.5	4.0	SB-10-4.0	--	--	X	--	--
		9.0	SB-10-9.0	--	--	X	--	--
		10.5	SB-10-10.5	--	--	X	--	--
		11.5	SB-10-11.5	--	--	X	X	--
		GW	SB-10	--	--	X	X	--
SB-11	18.0	12.8	SB-11-12.8	--	--	X	X	--
		GW	SB-11	--	--	X	X	--
SB-12	17.0	12.0	SB-12-12	--	--	X	X	--
		GW	SB-12	--	--	X	X	--

TABLE 1

SAMPLE AND ANALYTICAL MATRIX [1]

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

Notes

1. Samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California.
2. Samples were analyzed for VOCs (including BTEX) and TPHg using U.S. EPA Method 8260B.
3. Samples were analyzed for TPHd and TPHmo using U.S. EPA Method 8015B, following a silica gel preparation in accordance with U.S. EPA Method 3630C.
4. Samples were analyzed for PAHs using U.S. EPA Method 8270C with selective ion monitoring (SIM).
5. Samples were analyzed using U.S. EPA Method 7199 for dissolved hexavalent chromium and U.S. EPA Method 6020 for total and dissolved total chromium.
6. A blind field duplicate sample was collected from boring SB-04, and was labeled as SB-40.

Abbreviations

-- = analysis not performed
bgs = below ground surface
BTEX = benzene, toluene, ethylbenzene, and xylenes, collectively
DUP = a duplicate sample was also collected and analyzed
GW = a groundwater sample was collected
MTBE - methyl tert-butyl ether
PAHs = polynuclear aromatic hydrocarbons
TPHd = total petroleum hydrocarbons quantified as diesel
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHmo = total petroleum hydrocarbons quantified as motor oil
VOCs = volatile organic compounds
X = sample analyzed

TABLE 2

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL [1]

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

Concentrations reported in miligrams per kilogram (mg/kg)

Sample ID	Location	Depth (feet bgs)	Date	TPH			PAHs	
				TPHg	TPHd	TPHmo	Naphthalene	All other PAHs
SB-01-11.7	SB-01	11.7	9/27/2010	< 0.18	NA	NA	NA	NA
SB-01-13.8		13.8	9/27/2010	13 J	NA	NA	NA	NA
SB-02-9.1	SB-02	9.1	9/27/2010	< 0.19	NA	NA	NA	NA
SB-02-11.5		11.5	9/27/2010	1.4	NA	NA	NA	NA
SB-03-1.3	SB-03	1.3	9/28/2010	< 0.19	NA	NA	< 0.0076	ND
SB-03-2.8		2.8	9/28/2010	< 22	NA	NA	< 0.890	ND
SB-03-3.2		3.2	9/28/2010	**1,200** [2,3]	NA	NA	< 10.0	ND
SB-03-6.5		6.5	9/28/2010	< 20	NA	NA	< 0.800	ND
SB-03-11.5		11.5	9/28/2010	< 22	NA	NA	< 0.880	ND
SB-04-3.0	SB-04	3.0	9/27/2010	< 0.16	2.6	< 50	< 0.0050	ND
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	< 0.0050	ND
SB-05-0.7	SB-05	0.7	9/28/2010	NA	20	58	< 0.0100 UJ	ND
SB-05-2.0		2.0	9/28/2010	NA	< 0.99	< 50	NA	NA
SB-05-11.5		11.5	9/28/2010	NA	< 1.0	< 50	< 0.0050 UJ	ND
SB-06-3.0	SB-06	3.0	9/28/2010	NA	< 0.99	< 50	0.0094 J	ND
SB-06-11.0		11	9/28/2010	NA	< 1.0	< 50	< 0.0050 UJ	ND
SB-07-13.2	SB-07	13.2	9/29/2010	NA	< 1.0	< 50	< 0.0050 UJ	ND
SB-08-15.7	SB-08	15.7	9/29/2010	< 0.24	1.1	< 49	0.0056 J	ND
SB-09-3.0	SB-09	3.0	9/28/2010	NA	< 0.99	< 50	NA	NA
SB-09-4.9		4.9	9/28/2010	NA	1.4	< 50	0.0050 J	ND
SB-09-6.0		6.0	9/28/2010	NA	< 0.99	< 50	NA	NA
SB-09-11.8		11.8	9/28/2010	NA	< 1.0	< 50	0.0051 J	ND
SB-10-4.0	SB-10	4.0	9/28/2010	NA	1.1	< 50	NA	NA
SB-10-9.0		9.0	9/28/2010	NA	< 0.99	< 50	NA	NA
SB-10-10.5		10.5	9/28/2010	NA	< 0.99	< 49	NA	NA
SB-10-11.5		11.5	9/28/2010	NA	< 1.0	< 50	< 0.0050 UJ	ND
SB-11-12.8	SB-11	12.8	9/27/2010	NA	< 0.99	< 50	< 0.0050	ND
SB-12-12.0	SB-12	12.0	9/28/2010	NA	< 0.98	< 49	< 0.0049 UJ	ND
Environmental Screening Level (residential land use) [4]				83	83	370	1.3	--

TABLE 2

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL [1]

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

Notes

1. Samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California. Samples were analyzed for TPHg using U.S. EPA Method 8260B; for TPHd and TPHmo using U.S. EPA Method 8015B, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C; and for PAHs using U.S. EPA Method 8270C with selective ion monitoring (SIM). Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.
2. Results shown in **bold** exceed their respective Environmental Screening Levels.
3. 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 TPHg value reported is likely due to the presence of non-gasoline VOCs in the sample.
4. 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 (≤3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), November, revised May 2008.

Abbreviations

-- = not applicable
< = constituent was 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
ND = not detected at or above the respective laboratory reporting limits
PAHs = polynuclear aromatic hydrocarbons
TPH = total petroleum hydrocarbons
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHd = total petroleum hydrocarbons quantified as diesel
TPHmo = total petroleum hydrocarbons quantified as motor oil
UJ = the analyte was not detected at a level greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise
U.S. EPA = U.S. Environmental Protection Agency

TABLE 3

SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN SOIL [1]

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

Concentrations reported in micrograms per kilogram (µg/kg)

Sample ID	Location	Depth (feet bgs)	Date	Chloro-benzene	1,2-Dichloro-benzene	1,4-Dichloro-benzene	BTEX	All Other VOCs
SB-01-11.7	SB-01	11.7	9/27/2010	NA	NA	NA	ND	NA
SB-01-13.8		13.8	9/27/2010	NA	NA	NA	ND	NA
SB-02-9.1	SB-02	9.1	9/27/2010	NA	NA	NA	ND	NA
SB-02-11.5		11.5	9/27/2010	NA	NA	NA	ND	NA
SB-03-1.3	SB-03	1.3	9/28/2010	< 3.8	< 3.8	< 3.8	NA	ND
SB-03-2.8		2.8	9/28/2010	**2,600** [2]	< 440	< 440	NA	ND
SB-03-3.2		3.2	9/28/2010	**90,000**	< 5,200	**5,400**	NA	ND
SB-03-6.5		6.5	9/28/2010	**26,000**	**30,000**	**1,700**	NA	ND
SB-03-11.5		11.5	9/28/2010	**6,500**	**15,000**	< 440	NA	ND
SB-04-3.0	SB-04	3.0	9/27/2010	NA	NA	NA	ND	NA
SB-04-7.0		7.0	9/27/2010	NA	NA	NA	ND	NA
SB-04-8.5		8.5	9/27/2010	NA	NA	NA	ND	NA
SB-04-12.0		12.0	9/27/2010	NA	NA	NA	ND	NA
SB-08-15.7	SB-08	15.7	9/29/2010	NA	NA	NA	ND	NA
Environmental Screening Level (residential land use) [3]				1,500	1,100	590	--	--

Notes

1. Samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California, using U.S. EPA Method 8260B for VOC analysis. Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.
2. Results shown in **bold** exceed their respective Environmental Screening Levels.
3. 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 (≤3m bgs), Residential Land Use (groundwater is a current or potential drinking water resource), November, revised May 2008.

Abbreviations

-- = not applicable
< = constituent was not detected at or above the laboratory reporting limit shown
bgs = below ground surface
NA = not analyzed
ND = not detected at or above the respective laboratory reporting limits
U.S. EPA = U.S. Environmental Protection Agency
VOCs = volatile organic compounds

TABLE 4

SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC 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)

Sample ID	Location	Date	Total Petroleum Hydrocarbons					PAHs
			TPHg	TPHd (unfiltered)	TPHd (filtered) [2]	TPHmo (unfiltered)	TPHmo (filtered) [2]	
SB-01	SB-01	9/27/2010	< 50	NA	NA	NA	NA	NA
SB-02	SB-02	9/27/2010	63	NA	NA	NA	NA	NA
SB-03	SB-03	9/28/2010	< 50	NA	NA	NA	NA	NA
SB-04	SB-04	9/27/2010	< 50	< 51	< 52	< 300 [3]	< 310 [3]	ND
SB-40 [4]		9/27/2010	< 50	< 52	< 53	< 310 [3]	< 320 [3]	ND
SB-05	SB-05	9/28/2010	NA	< 51	< 52	< 310 [3]	< 310 [3]	ND
SB-06	SB-06	9/28/2010	NA	< 51	< 53	< 310 [3]	< 320 [3]	ND
SB-07	SB-07	9/29/2010	NA	10 J	< 52	< 310 [3]	< 310 [3]	ND
SB-08	SB-08	9/29/2010	< 50	< 51	< 52	< 310 [3]	< 310 [3]	ND
SB-10	SB-10	9/28/2010	NA	< 51	< 53	< 300 [3]	< 320 [3]	ND
SB-11	SB-11	9/27/2010	NA	< 51	< 52	< 300 [3]	< 310 [3]	ND
SB-12	SB-12	9/28/2010	NA	11 J	< 52	< 310 [3]	< 310 [3]	ND
Environmental Screening Level (groundwater is a potential or current drinking water resource) [5]			100	100	100	100	100	--

Notes

1. Samples were collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California. Samples were analyzed for TPHg using U.S. EPA Method 8260B; for TPHd and TPHmo using U.S. EPA Method 8015B, following a silica gel preparation procedure in accordance with U.S. EPA Method 3630C; and for PAHs using U.S. EPA Method 8270C with selective ion monitoring (SIM). Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.
2. Extra sample volume for samples for TPHd and TPHmo analyses was filtered at the laboratory prior to analysis using a 0.7-micron glass fiber filter.
3. The laboratory reporting limits for all TPHmo analyses (i.e., from 300 to 320 µg/L) exceed the ESL of 100 µg/L. However, the method detection limit for unfiltered TPHmo analyses is130 µg/L (and is up to 140 µg/L for filtered TPHmo analyses); TPHmo was not detected at or above the method detection limit in any sample.
4. Sample SB-40 is a blind field duplicate sample of sample SB-04.
5. 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 applicable
< = constituent was not detected at or above the laboratory reporting limit shown
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
ND = not detected at or above the respective laboratory reporting limits
PAHs = polynuclear aromatic hydrocarbons
TPHg = total petroleum hydrocarbons quantified as gasoline
TPHd = total petroleum hydrocarbons quantified as diesel
TPHmo = total petroleum hydrocarbons quantified as motor oil
U.S. EPA = U.S. Environmental Protection Agency

TABLE 5

SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND CHROMIUM 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)

Sample ID	Location	Date	Volatile Organic Compounds								Chromium		
			Benzene	Chloro-benzene	1,2-Dichloro-benzene	1,4-Dichloro-benzene	cis-1,2-DCE	PCE	TCE	All Other VOCs Analyzed	Dissolved Hexavalent Chromium	Total Chromium [2]	Dissolved Total Chromium [3]
SB-01	SB-01	9/27/2010	< 0.50	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
SB-02	SB-02	9/27/2010	< 0.50	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
SB-03	SB-03	9/28/2010	**1.5** [4]	**85**	**42**	1.3	1.3	3.2	0.96	ND	NA	NA	NA
SB-04	SB-04	9/27/2010	< 0.50	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
SB-40 [5]		9/27/2010	< 0.50	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
SB-05	SB-05	9/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	1.1	20	2.5 J-
SB-06	SB-06	9/28/2010	NA	NA	NA	NA	NA	NA	NA	NA	0.94	**250**	2.3 J-
SB-07	SB-07	9/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	1.7	44	2.8 J-
SB-08	SB-08	9/29/2010	< 0.50	NA	NA	NA	NA	NA	NA	ND	1.1	23	3.3 J-
Environmental Screening Level (groundwater is a potential or current drinking water resource) [6]			1.0	25	10	5.0	6.0	5.0	5.0	--	11	50	50

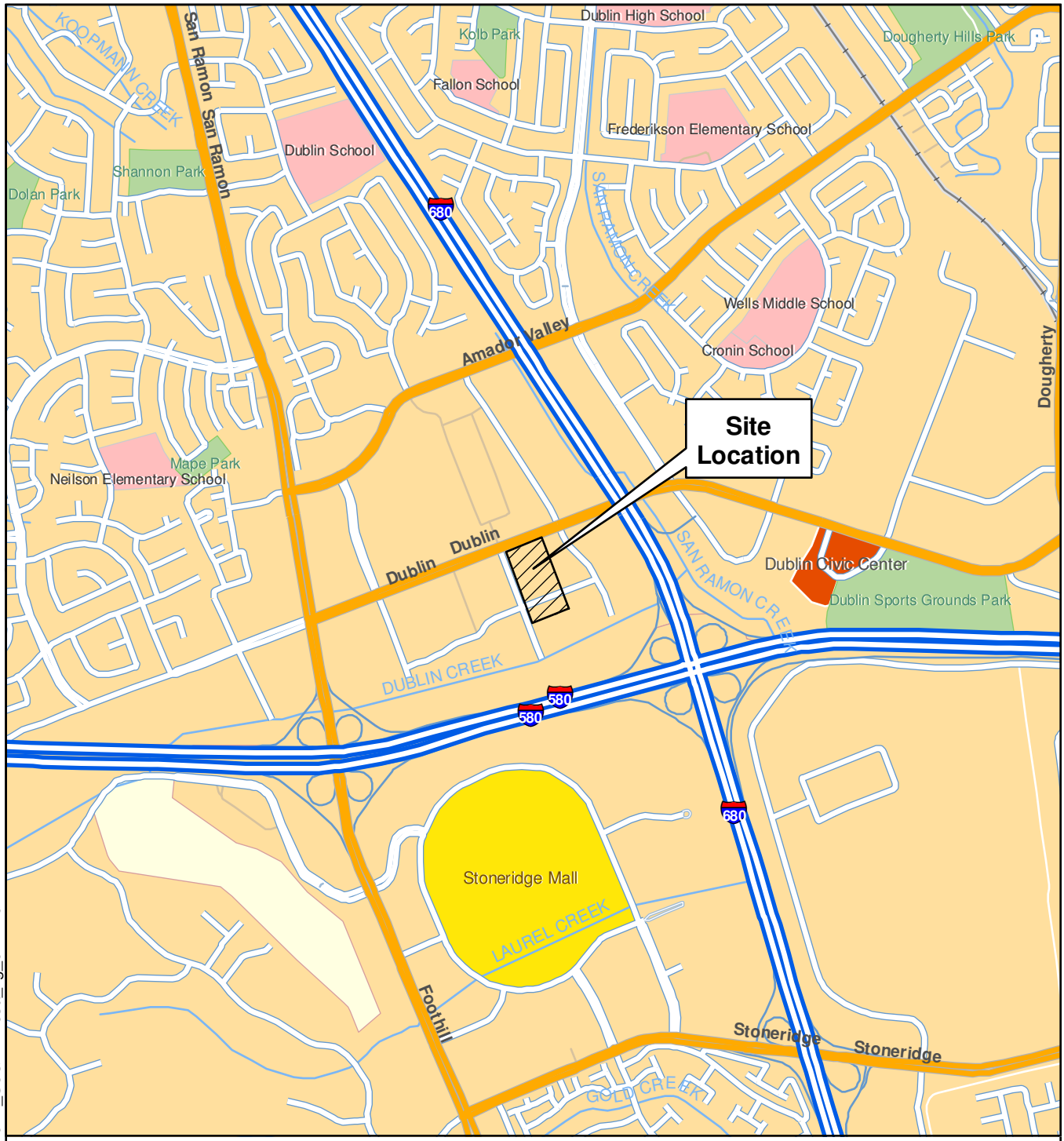
Notes

1. Samples collected by AMEC Geomatrix, Inc., and analyzed by TestAmerica Laboratories, Inc., of Pleasanton, California. Samples were analyzed for VOCs using U.S. EPA Method 8260B, for hexavalent chromium using U.S. EPA Method 7199, and for total chromium and dissolved total chromium using U.S. EPA Method 6020. Only detected constituents are shown on this table; see associated laboratory analytical reports for individual analytes and reporting limits.
2. The work plan specified that the samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. Therefore, the resultant total chromium values likely overestimate the concentration of chromium that is dissolved in groundwater.
3. The work plan specified that the samples would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. After this error was noted, AMEC requested that the analytical laboratory filter some remaining sample volume (from a different, unpreserved container) and perform a dissolved total chromium analysis on each sample. However, since the unfiltered samples were stored in unpreserved glass containers, rather than being filtered and then stored in preserved plastic containers as required by the analytical method, the dissolved total chromium results were qualified as estimated and may be biased low.
4. Results shown in **bold** exceed their respective screening levels.
5. Sample SB-40 is a blind field duplicate sample of sample SB-04.
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 applicable
cis-1,2-DCE = cis-1,2 dichloroethene
J- = the result is an estimated quantity, but the result may be biased low
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

FIGURES



0 1,500 3,000 Feet

N

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

By: AWP	Date: 11/11/2010	Project No. OD1016007
AMEC Geomatrix	Figure 1	

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_01.mxd

Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area
- Approximate location of storm drain inlet

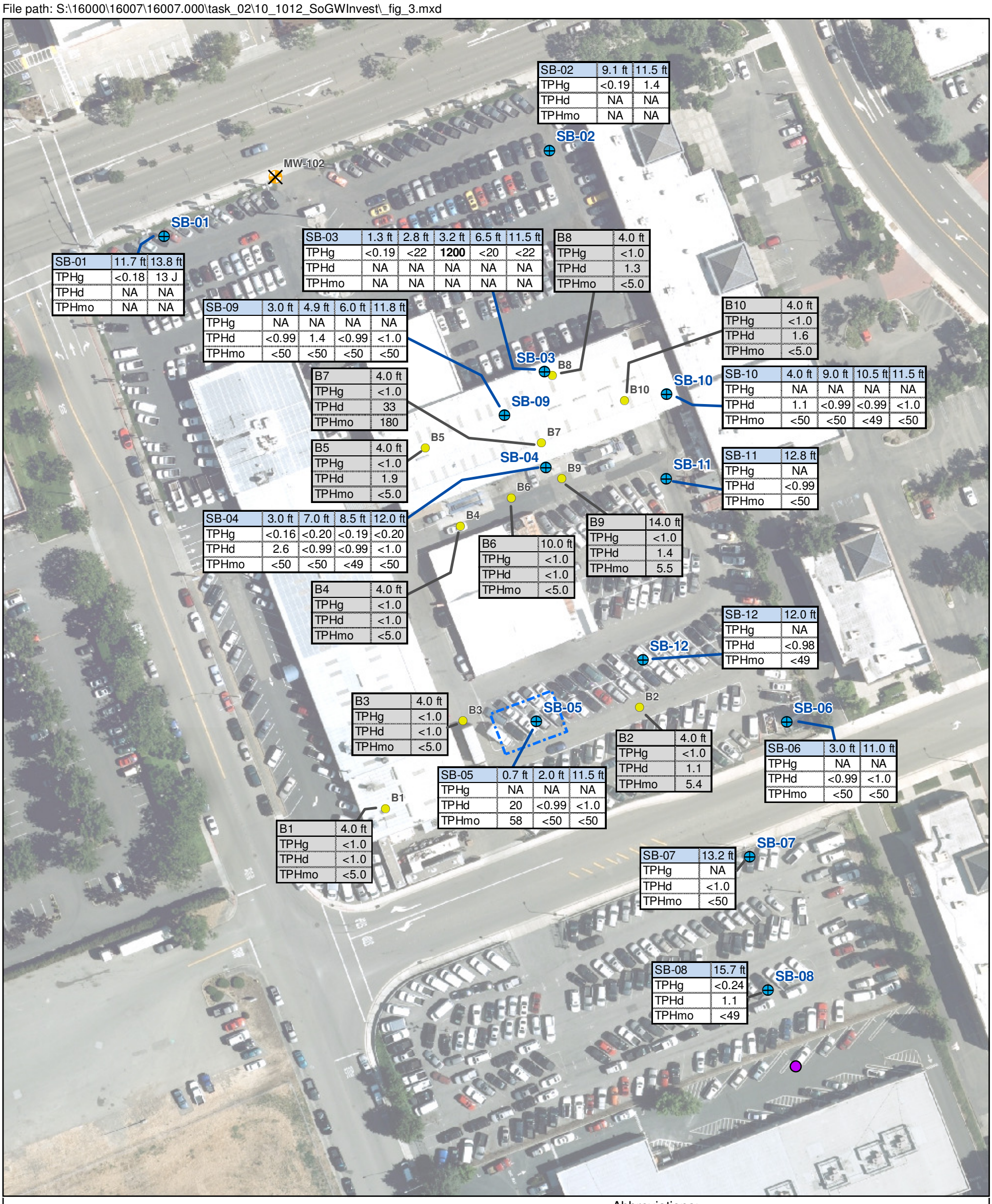
0 50 100 200 Feet

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

By: AWP	Date: 11/11/2010	Project No. OD1016007
AMEC Geomatrix		Figure 2

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_2.mxd

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_3.mxd



Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area

Abbreviations:
< = not detected at or above laboratory reporting limit shown
bgs = below ground surface
mg/kg = milligrams per kilogram
NA = not analyzed
TPH = total petroleum hydrocarbons
TPHd = TPH quantified as diesel
TPHg = TPH quantified as gasoline
TPHmo = TPH quantified as motor oil

N

0 75 150 Feet

Sample Location
Sample depths in feet bgs

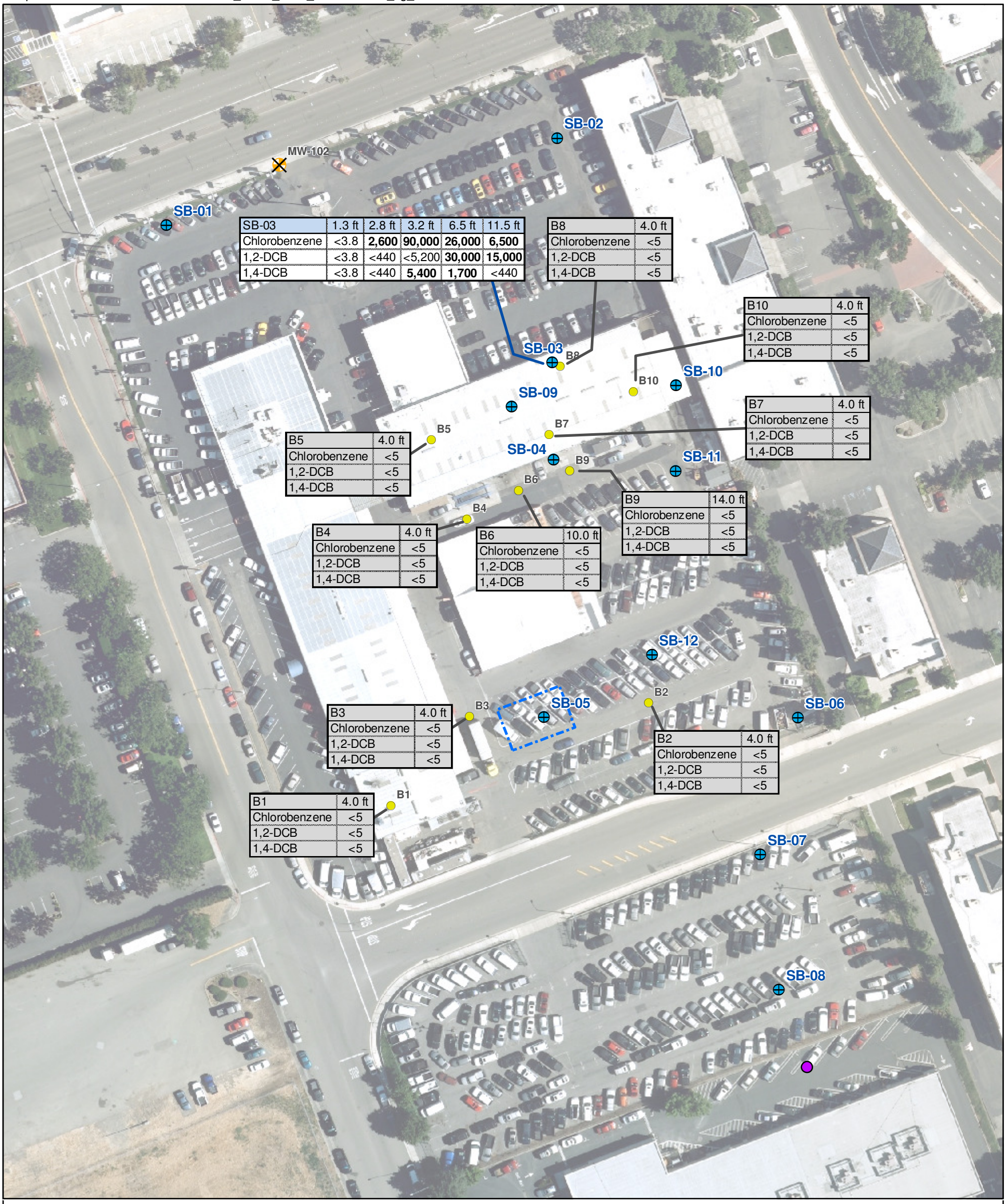
SB-08	15.7 ft
TPHg	<0.24
TPHd	1.1
TPHmo	<49

Analytes
Concentrations in mg/kg

TOTAL PETROLEUM HYDROCARBONS IN SOIL
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: GFS	Date: 11/11/2010	Project No. OD10160070
AMEC Geomatrix	Figure 3	

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_4.mxd



Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area

Abbreviations:
< = not detected at or above laboratory reporting limit shown
1,2-DCB = 1,2-dichlorobenzene
1,4-DCB = 1,4-dichlorobenzene
bgs = below ground surface
µg/kg = micrograms per kilogram
NA = not analyzed

N

0 75 150 Feet

Notes:
1. Results shown in bold exceed their respective screening levels.

Sample location
Sample depths in feet bgs

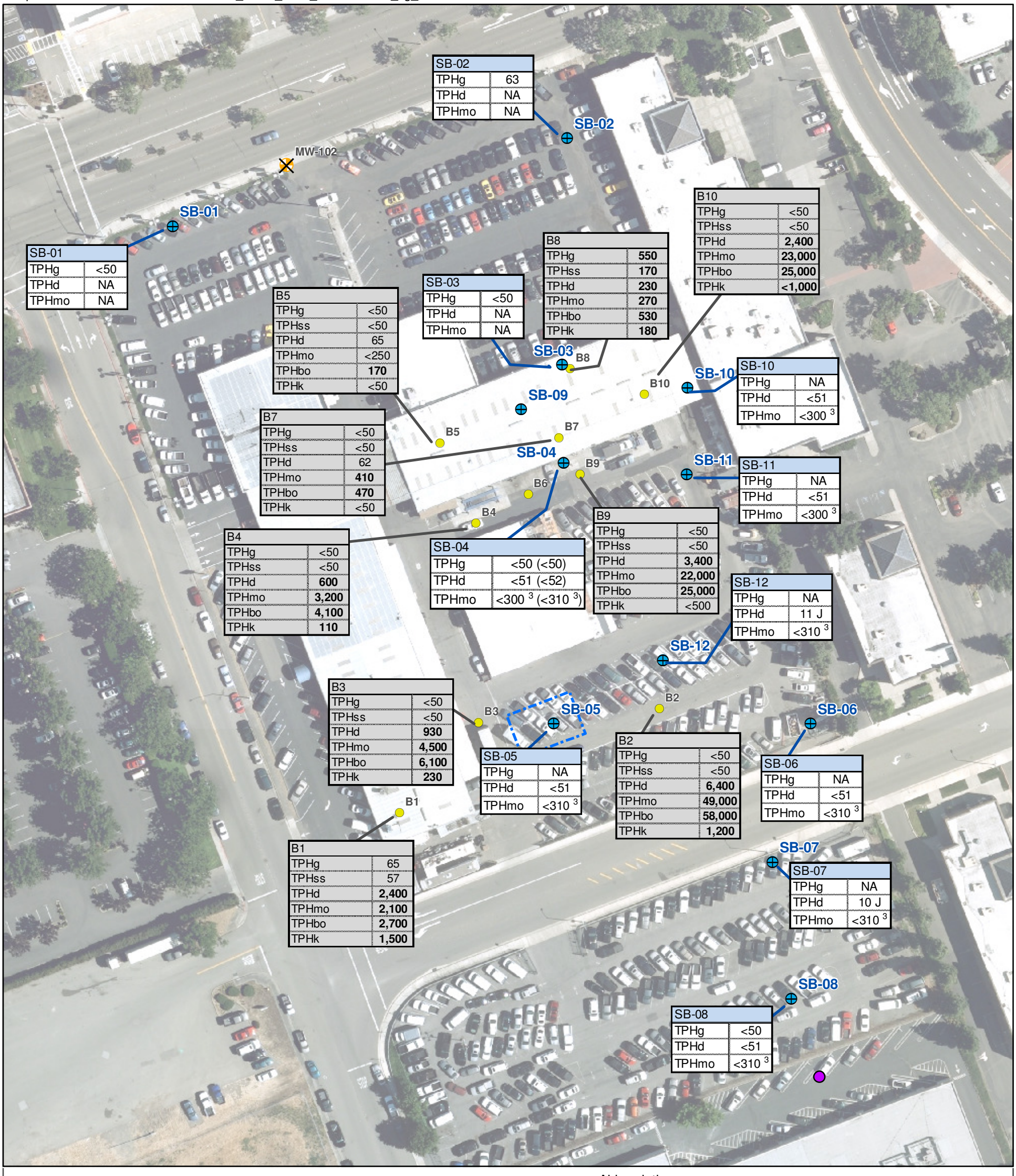
B1	4.0 ft
Chlorobenzene	<5
1,2-DCB	<5
1,4-DCB	<5

Analytes
Concentrations in µg/kg

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

By: GFS	Date: 11/11/2010	Project No. OD10160070
AMEC Geomatrix		Figure 4

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_5.mxd



Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area

Abbreviations:
< = not detected at or above laboratory reporting limit shown
J = the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample
NA = not analyzed
TPH = total petroleum hydrocarbons
TPHbo = TPH quantified as bunker oil
TPHd = TPH quantified as diesel
TPHg = TPH quantified as gasoline
TPHk = TPH quantified as kerosene
TPHmo = TPH quantified as motor oil
TPHss = TPH quantified as stoddard solvent
µg/L = micrograms per liter

N

0 75 150 Feet

Notes:
1. Results shown in bold exceed their respective screening levels.
2. Only results for unfiltered TPHd and TPHmo samples are shown. See Table 4 for additional information.
3. The laboratory reporting limits for TPHmo analyses exceed the ESL of 100 µg/L. However, the method detection limit for TPHmo analyses is 130 µg/L; TPHmo was not detected above the method detection limit in any sample.
4. Duplicate sample results for SB-04 are shown in parentheses.

Sample location

SB-08	
TPHg	<50
TPHd	<51
TPHmo	<310 [3]

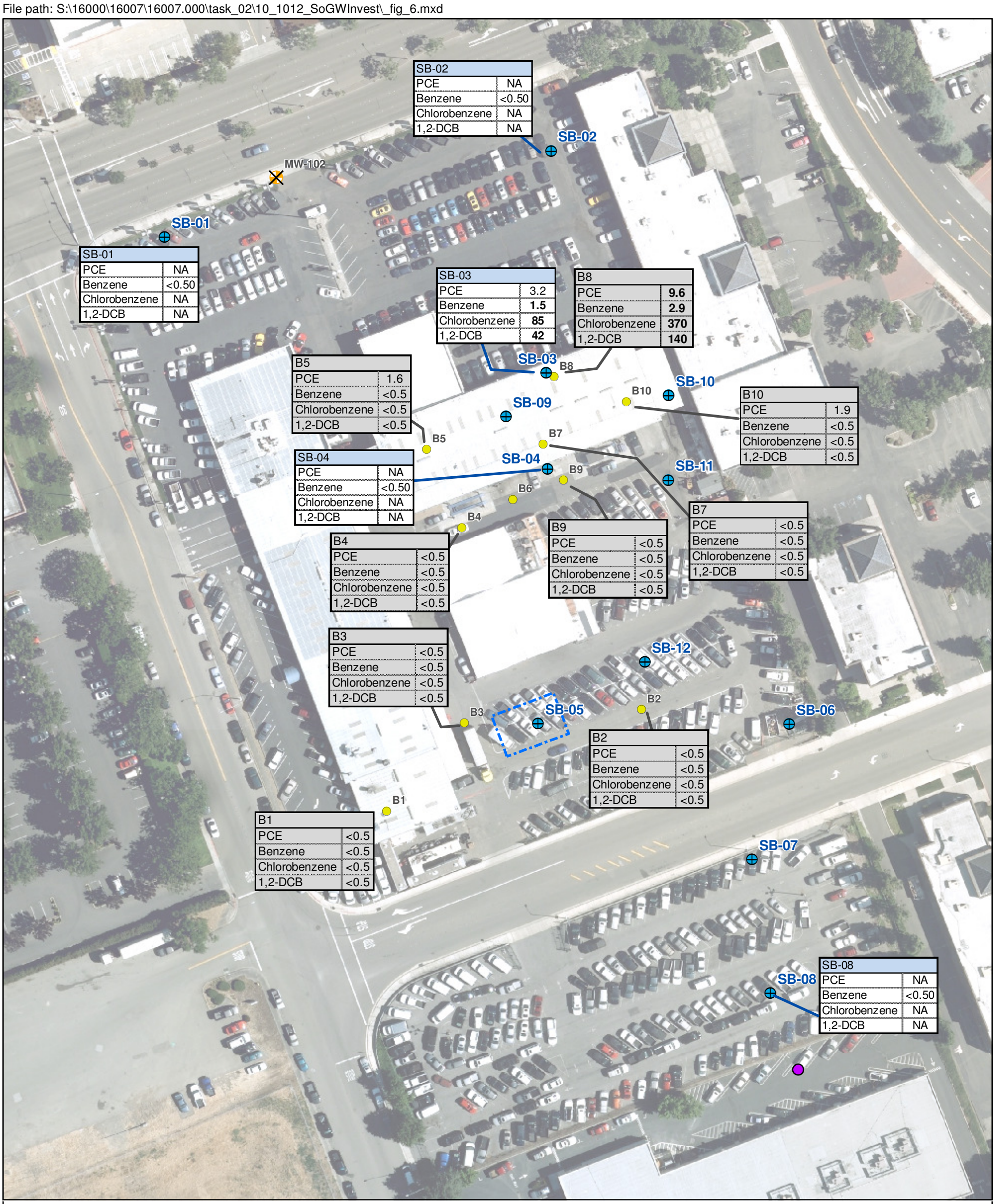
Analytes

Concentrations in µg/L

TOTAL PETROLEUM HYDROCARBONS
IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: GFS	Date: 11/11/2010	Project No. OD10160070
AMEC Geomatrix	Figure 5	

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_6.mxd



Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area

Abbreviations:
< = not detected at or above laboratory reporting limit shown
1,2-DCB = 1,2-dichlorobenzene
NA = not analyzed
PCE = tetrachloroethlene
µg/L = micrograms per liter

N

0 75 150 Feet

Notes:
1. Results shown in bold exceed their respective screening levels.

Sasmple location

SB-08	
PCE	NA
Benzene	<0.50
Chlorobenzene	NA
1,2-DCB	NA

Analytes

Concentrations in µg/L

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

By: GFS	Date: 11/11/2010	Project No. OD10160070

AMEC Geomatrix

Figure 6

File path: S:\16000\16007\16007.000\task_02\10_1012_SoGWInvest_fig_7.mxd

Explanation

- AMEC soil and/or grab groundwater sample location (September 27 through 29, 2010)
- Basics Environmental soil and/or grab groundwater sample location (February 24 and 25, 2009)
- Approximate location of historical Montgomery Ward monitoring well MW-102
- Approximate location of historical Quest Laboratory underground storage tank
- Approximate outline of former bulk storage area

Abbreviations:
< = not detected at or above laboratory reporting limit shown
bgs = below ground surface
Hex Cr = dissolved hexavalent chromium
J- = the result is an estimated quantity, but the result may be biased low
mg/kg = milligrams per kilogram
Tot Cr = dissolved total chromium
µg/L = mircograms per liter

N

0 75 150 Feet

(Depth shown in feet bgs for soil samples) — Sample location — Concentrations in mg/kg

B1 [Basics]	
Tot Cr (4.0)	46
Tot Cr (W)	**59**

(W) shown for groundwater sample — Concentrations in µg/L

Notes:
1. Results shown in bold exceed their respective screening levels

CHROMIUM IN SOIL AND
DISSOLVED CHROMIUM IN GROUNDWATER
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: GFS	Date: 11/11/2010	Project No. OD10160070
AMEC Geomatrix	Figure	7

APPENDIX A

Drilling Permit

ZONE 7 WATER AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

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

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: 37.70368 * LONG: -121.92838 *
APN 941-1500-15-9

CLIENT
Name Patrick Costello
Address PO Box 2010 Phone _____
City Dublin Zip 94568

APPLICANT
Name AMEC Geomatrix (Greg Stemler)
Email greg.stemler@AMEC.com Fax (510) 663 4141
Address 2101 Webster St, 12th Floor Phone (510) 663 4191
City OAKLAND, CA Zip 94612

TYPE OF PROJECT:

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

PROPOSED WELL USE: NONE

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

DRILLING METHOD:

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

DRILLING COMPANY PeneCore Drilling

DRILLER'S LICENSE NO. C57 906899

WELL SPECIFICATIONS: NONE

Drill Hole Diameter	____ in.	Maximum	
Casing Diameter	____ in.	Depth	____ ft.
Surface Seal Depth	____ ft.	Number	____

SOIL BORINGS:

Number of Borings	12	Maximum	
Hole Diameter	3.5 in.	Depth	20 ft.

ESTIMATED STARTING DATE 9/27/2010
ESTIMATED COMPLETION DATE 9/30/2010

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

APPLICANT'S SIGNATURE Greg Stemler Date 5/20/2010

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 2010086
WELL NUMBER _____
APN 941-1500-015-09

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
3. Permit is void if project not begun within 90 days of approval date.
4. **Notify Zone 7 at least 24 hours before the start of work.**

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

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

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

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

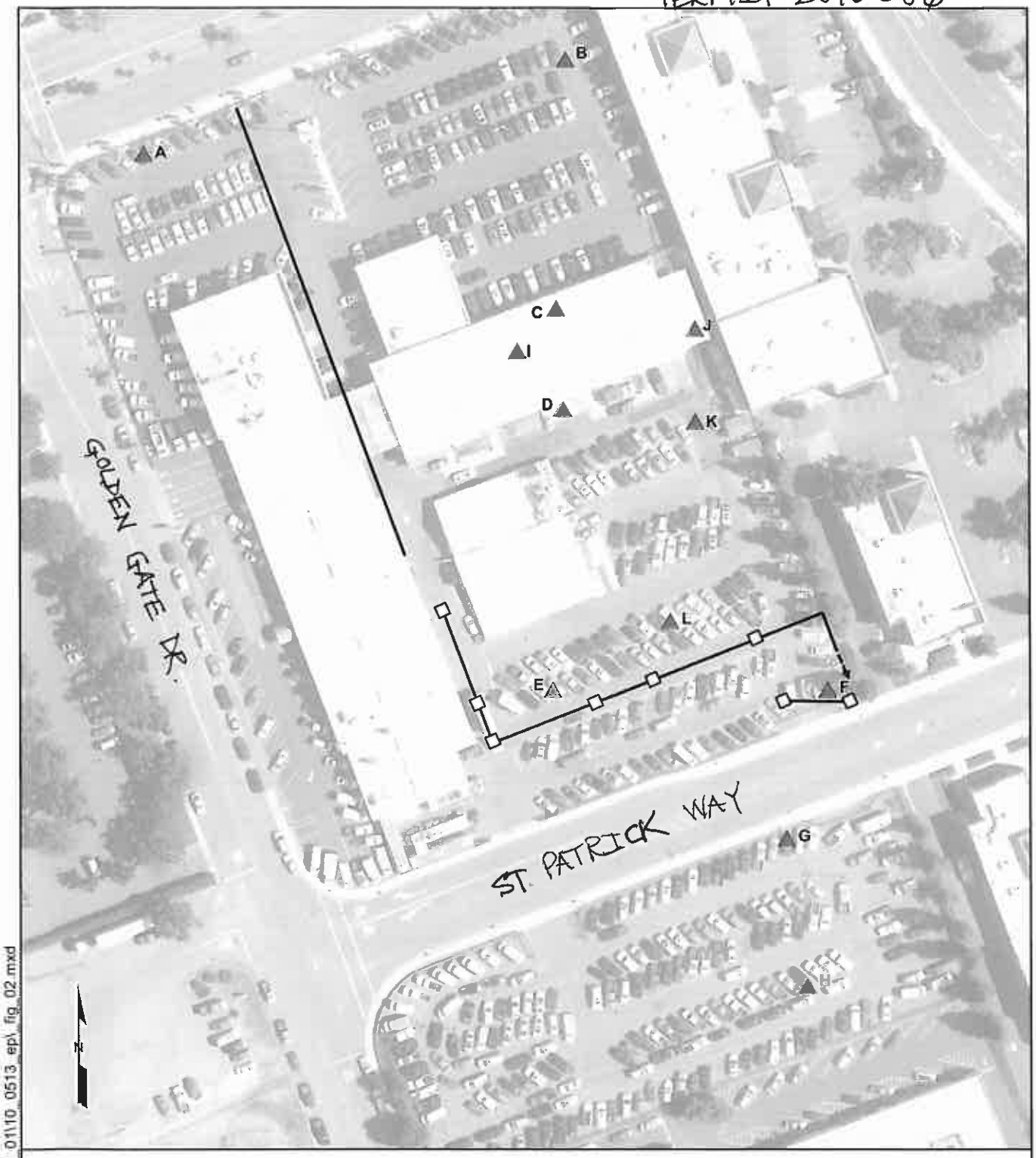
F. WELL DESTRUCTION. See attached.

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

Approved Wyman Hong Date 9/25/10
Wyman Hong

Revised: January 4, 2010

PERMIT 2010086



0 100 Feet

Explanation

▲ Proposed soil and grab groundwater sample location

PROPOSED BORING LOCATIONS
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

By: AWP	Date: 9/20/2010	Project No. OD1016007
AMEC Geomatrix		Figure 2

File path: S:\116000\116007\116007.000\task_01\10_0513_ep_fig_02.mxd

APPENDIX B

Soil Boring Logs

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568		**Boring Log Explanation**	
BORING LOCATION:		ELEVATION AND DATUM:	
DRILLING CONTRACTOR:		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH (ft.):	MEASURING POINT:
DRILLING EQUIPMENT:		DEPTH TO WATER (ft.)	FIRST / COMPL.
SAMPLING METHOD:		LOGGED BY:	
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:	REG. NO.

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation:	REMARKS
1					**Notes:** 1. Soil described using visual-manual procedures of American Society of Testing and Materials (ASTM) Standard D 2488 for guidance; a Standard based on the Unified Soil Classification System.	
2					2. Soil color described according to Munsell Color Chart.	
3					3. Dashed lines separating soil strata represent inferred boundaries between sampled intervals that may be abrupt or gradual transitions.	
4						
5					4. Solid lines represent approximate boundaries observed within sample intervals.	
6					5. OVM = organic vapor meter, reading in volumetric parts per million (ppm).	
7					6. Odor, if noted is subjective and not necessarily indicative of specific compounds or concentrations.	
8					7. NA = not applicable.	
9					Interval of recovered soil collected with a continuous core sampler.	
10						
11					Interval of no recovery.	
12	SB-01-12.5				Sample collected for chemical analysis and sample identification.	
13						
14						
15						

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-01**
BORING LOCATION: 60' E, 20' N of NW corner of site	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE : (5 inches thick)	
1					LEAN CLAY with SAND (CL): dark grayish brown (2.5Y 4/2), moist, 80% fines, 20% fine to medium sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
6				0		
				0	light olive brown (2.5Y 5/4), low plasticity, soft	
7				0		
				0	olive brown (2.5Y 4/4), medium plasticity, firm	
8				0		
				0		
9				0		
				0	soft	
10				0		
				0.1		
11				0.1		
	SB-01-11.7			0.3		
12				0.6	firm	
				0.5		
13				2.3	very dark greenish gray (10Y 3/1)	
	SB-01-13.8			1.2		
14				0.6		
				0.4	olive brown (2.5Y 4/4)	
15						

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES Sample No.	SAMPLES Sample	SAMPLES Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
16				0.1	LEAN CLAY (CL): cont'd sand fraction fine to medium	Grab groundwater sample SB-01 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 15 to 20 feet bgs. Drive casing retracted from bottom of boring to 13 feet bgs to maintain surface seal. Depth to water measured prior to sampling using an electronic water level meter at 1100 on September 27, 2010: 11.6 feet bgs.
17				0.1		
18				0.3		
19				0.1		
20				0.1		
21				0.2		
22				0.1		
23				0.4		
24				0.1		
25				0.1		
26					Bottom of boring at 20.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
27						
28						
29						
30						
31						
32						
33						

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-02**
BORING LOCATION: 60' S of NE corner of site	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

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

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16					dark grayish brown (2.5Y 4/2) LEAN CLAY (CL): cont'd		
17					SANDY LEAN CLAY (CL): dark grayish brown (2.5Y 4/2) mottled with dark greenish gray (10Y 4/1)		
18					Bottom of boring at 17.5 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-03**
BORING LOCATION: 3' W of S corner of Service Area 2 sump	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10 / DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

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

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16					SANDY LEAN CLAY with GRAVEL (CL) LEAN CLAY (CL): cont'd Bottom of boring at 16.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-04**
BORING LOCATION: 75' W, 35' S of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					CONCRETE : (4 inches thick)	
1				0.4	CLAYEY SAND with GRAVEL (SC): light olive brown (2.5Y 5/4), moist, 50% fine to coarse sand, 30% medium plasticity fines, 20% fine to coarse gravel [FILL]	Hand augered to 5 feet bgs.
2				0.6		
3	SB-04-3.0			0.5		OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4				0.4		
5				0.4	LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, hard	
				0.5		
6	SB-04-7.0			0.9		
				0.4		
7				0.6		
				0.5	GRAVELLY LEAN CLAY (CL): light olive brown (2.5Y 5/4) very dark greenish gray (10Y 3/1)	
8	SB-04-8.5			0.4		
				0.4		
9						
10				0.4		
11				0.4	SANDY LEAN CLAY (CL): 40% fine sand, soft	Grab groundwater sample SB-04 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 11 to 16 feet bgs. Drive casing retracted from bottom of boring to 11 feet bgs to maintain surface seal.
	SB-04-12			0.4	SANDY LEAN CLAY (CL): 40% fine sand, soft	
12				0.4		
				0.3	dark olive brown (2.5Y 3/3)	
13						
14						
15						

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16				0.4 0.3	LEAN CLAY (CL): cont'd SANDY LEAN CLAY (CL)		
					Bottom of boring at 16.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-05**	
BORING LOCATION: 210' W, 10' N of SE corner of N site parcel	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10	DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.)	FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton	REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					ASPHALTIC CONCRETE : (1 inch thick)	
					AGGREGATE BASE : (3 inches thick)	
1	SB-05-0.7				LEAN CLAY (CL): black (2.5Y 2.5/1) trace mottling very dark greenish gray (10Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2	SB-05-2.0					
3						
4						
5					olive brown (2.5Y 4/3)	
6						
7						Grab groundwater sample SB-05 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs. Drive casing retracted from bottom of boring to 10 feet bgs to maintain surface seal. Depth to water measured prior to sampling using an electronic water level meter at 1400 on September 28, 2010: 11.2 feet bgs.
8						
9						
10						
11	SB-05-11.5					
12					SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 65% fines, 35% fine sand, medium plasticity, firm	
13					LEAN CLAY (CL): black (2.5Y 2.5/1)	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
15					Bottom of boring at 15.0 feet	

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-06**
BORING LOCATION: SE corner of northern site parcel, near storm drain	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: 11.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					ASPHALTIC CONCRETE : (1 inch thick)	
					CONCRETE : (18 inches thick)	Hand augered to 5 feet bgs.
1						
2					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	
3	SB-06-3.0					OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
					dark olive brown (2.5Y 3/3)	
5				0		
				0		
					contains trace gravel	
6				0	olive brown (2.5Y 4/3)	Grab groundwater sample SB-06 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 10 to 15 feet bgs. Drive casing retracted from bottom of boring to 10 feet bgs to maintain surface seal. Depth to water measured prior to sampling using an electronic water level meter at 1105 on September 28, 2010: 10.8 feet bgs.
				0		
7				0		
8						
9						
10	SB-06-11.0			0		
11				0		
					CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines	
				0		
12				0	LEAN CLAY (CL): light olive brown (2.5Y 5/3) mottled with yellowish brown (10YR 5/6), moist, 90% fines, 10% fine sand, medium plasticity, firm	
				0		
13					black (2.5Y 2.5/1)	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
14						
					Bottom of boring at 15.0 feet	
15						

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-07**
BORING LOCATION: 70' W, 35' S of NE corner of southern site parcel	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10 / DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: 13.2 / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

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

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
16					soft LEAN CLAY (CL): cont'd	
17					black (2.5Y 2.5/1) Bottom of boring at 17.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-08**
BORING LOCATION: 135' S, 60' W of NE corner of southern site parcel	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/29/10 / DATE FINISHED: 9/29/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 20.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: 15.3 / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

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

I:\PROJECT\...\OD10160070\10000_LOGS\GINT\DRAWINGS\SB-08.GDW OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

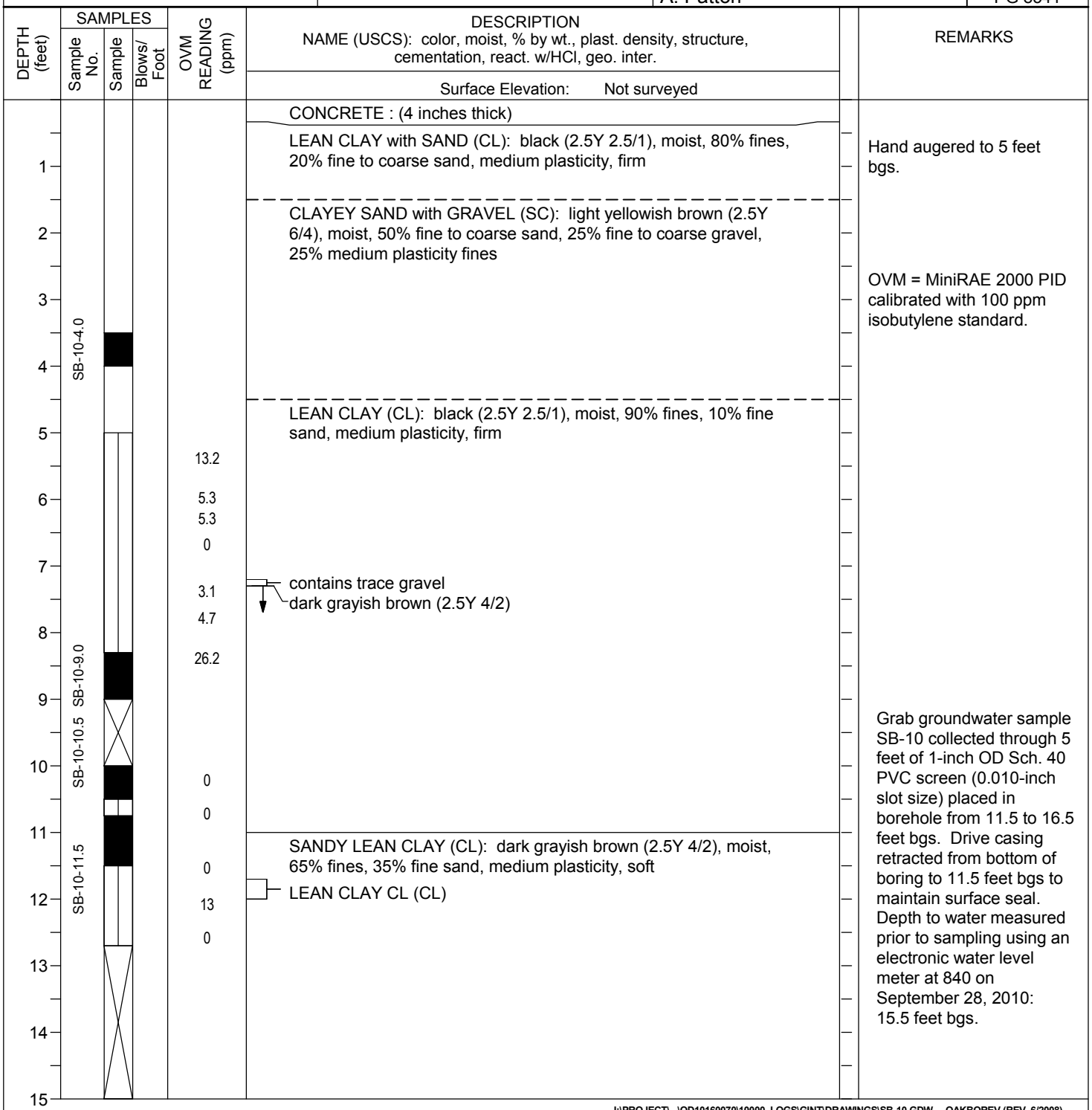
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
16	SB-08-15.7			0	LEAN CLAY with SAND (CL): cont'd	Grab groundwater sample SB-08 collected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

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-09**
BORING LOCATION: 120' W of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

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

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-10**
BORING LOCATION: South end of car wash	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 16.5 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541



I:\PROJECT\...\OD10160070\10000_LOGS\GINT\DRAWINGS\SB-10.GDW OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
				0	SANDY LEAN CLAY (CL): cont'd		
16				0	LEAN CLAY (CL): dark olive brown (2.5Y 3/3), moist, 90% fines, 10% fine sand, low plasticity, firm		
				0	Bottom of boring at 16.5 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-11**
BORING LOCATION: 50' south of car wash	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/27/10 / DATE FINISHED: 9/27/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 18.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
					ASPHALTIC CONCRETE : (6 inches thick)	
1					LEAN CLAY with SAND (CL): very dark gray (10YR 3/1), moist, 75% fines, 25% fine to coarse sand, medium plasticity, hard	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0.6		
6				0.6 1.1		
7				0.3	dark grayish brown (2.5Y 4/2), contains trace gravel	Grab groundwater sample SB-11 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 13 to 18 feet bgs. Drive casing retracted from bottom of boring to 13 feet bgs to maintain surface seal. Depth to water measured prior to sampling using an electronic water level meter at 1355 on September 27, 2010: 12.0 feet bgs.
8				0.9 0.6		
9				0.2	LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% fines, 10% fine sand, medium plasticity, firm	
10				0.9		
11				1.8 1.3		
12	SB-11-12.8			0.6 1.4	very dark grayish brown (2.5Y 3/2)	
13				0.4	SANDY LEAN CLAY (CL): light olive brown (2.5Y 5/4) mottled with dark yellowish brown (10YR 4/6), moist, 65% fines, 35% fine to medium sand, medium plasticity, soft	
14					LEAN CLAY (CL): very dark grayish brown (10YR 4/6), moist, 90% fines, 10% fine sand, medium plasticity, firm	
15						

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
16					LEAN CLAY (CL): cont'd dark grayish brown (2.5Y 4/2)	
17					SANDY LEAN CLAY (CL)	
18					Bottom of boring at 18.0 feet	Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						

OAKBOREV (REV. 6/2008)

PROJECT: 7544 DUBLIN BOULEVARD Dublin, California 94568	**Log of Boring No. SB-12**
BORING LOCATION: 95' W, 230' S of SE corner of Bldg. B	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: PeneCore Drilling	DATE STARTED: 9/28/10 / DATE FINISHED: 9/28/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 17.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7822 DT	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25"]	LOGGED BY: G. Stemler
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: A. Patton / REG. NO. PG 8541

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not surveyed	REMARKS
0					ASPHALTIC CONCRETE : (2 inches thick)	
					AGGREGATE BASE : (5 inches thick)	
1					LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm	Hand augered to 5 feet bgs.
2						
3						OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard.
4						
5				0	LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 85% fines, 15% fine sand, medium plasticity, firm	
6				0		
7				0		
8				0		
9				0		
10				0		
11				0		
12	SB-12-12.0			0		Grab groundwater sample SB-12 collected through 5 feet of 1-inch OD Sch. 40 PVC screen (0.010-inch slot size) placed in borehole from 12 to 17 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs to maintain surface seal.
13				0	SANDY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 55% fines, 45% fine sand, medium plasticity, firm	
14				0	LEAN CLAY (CL) black (2.5Y 2.5/1)	
15						

PROJECT: 7544 DUBLIN BOULEVARD
Dublin, California 94568

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

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
16				0	SANDY LEAN CLAY (CL): cont'd brown (10YR 4/3)		
				0			
17				0			
					Bottom of boring at 17.0 feet		Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

APPENDIX C

Data Quality Review

APPENDIX C
DATA QUALITY REVIEW
Crown Chevrolet Cadillac Isuzu
7544 Dublin Boulevard and 6707 Golden Gate Drive
Dublin, California

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), and the *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (U.S. EPA, 2010).

Quality assurance procedures for soil samples included the collection and analysis of one matrix spike/matrix spike duplicate (MS/MSD) sample; laboratory analysis of method blank samples, surrogate spikes, and laboratory control samples/laboratory control sample duplicates (LCS/LCSDs); and evaluation of the analytical results.

Quality assurance procedures for groundwater samples included the collection and analysis of one blind field duplicate sample and two MS/MSD samples; laboratory analysis of method blank samples, surrogate spikes, and LCS/LCSDs; and evaluation of the analytical results.

The blind duplicate groundwater sample was collected from soil boring SB-04 and labeled SB-40. The groundwater MS/MSD samples were collected from borings SB-04 and SB-07 and the soil MS/MSD sample was collected from boring SB-07.

The data quality review also included a data completeness check of the data packages, a transcription check of sample results, and a review of all laboratory reporting forms. Qualified data are included in the data summary tables in the main body of this report, and data qualifiers are hand-written onto the laboratory analytical reports in Appendix D.

SOIL DATA QUALITY REVIEW

A review of soil data quality is provided in the following sections.

DATA ACCURACY

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

Spike Compounds

No soil results were qualified due to MS, MSD, LCS or LCSD recoveries.

Surrogate Recoveries

All surrogate recoveries were within their respective quality control criteria.

Method Blanks

There were no detections in the method blank samples.

Other Factors

Other factors influenced data accuracy of soil sample results as reported by the analytical laboratory.

Calibration Range Exceedances

The analytical laboratory noted that one result exceeded the calibration range (i.e., total petroleum hydrocarbons quantified as gasoline (TPHg) in sample SB-01-13.8). The affected result was qualified with "J" to indicate that the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample.

Chromatographic Analysis

The analytical laboratory noted that one sample result exhibited a chromatographic pattern that did not match the laboratory standard for the target analyte, TPHg. Volatile organic compounds present in sample SB-03-3.2 were detected in the carbon range used by the laboratory to quantify TPHg; however, the laboratory indicated that the spectra for sample SB-03-3.2 does not resemble the pattern for the laboratory's fresh gasoline standard.

DATA PRECISION

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

The RPDs between the MS and the MSD results were greater than acceptable limits for the polynuclear aromatic hydrocarbons (PAH) compounds acenaphthene, acenaphthylene, fluorene, naphthalene, and phenanthrene. The associated project sample results (i.e., soil samples SB-05-0.7, SB-05-11.5, SB-06-3.0, SB-06-11.0, SB-07-13.2, SB-08-15.7, SB-09-4.9, SB-09-11.8, SB-10-11.5, SB-12-12) were qualified with "J" for detected results to indicate that the analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample. Non-detect results were qualified with "UJ" to indicate that the analyte was not detected at a level greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise.

The RPDs for the all LCS/LCSD analyses were within criteria.

DATA COMPLETENESS

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{\text{(number of valid measurements)}}{\text{(number of measurements planned)}} \times 100$$

The percent complete for soil sample data collected during the September 2010 sampling event is 100 percent.

SUMMARY OF SOIL DATA QUALITY REVIEW

Based on an evaluation of data quality, some data were qualified as estimated (qualified with "J"). Some data were qualified as not detected at or above the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise (qualified with "UJ"). 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.

GROUNDWATER DATA QUALITY REVIEW

A review of groundwater data quality is provided in the following sections.

DATA ACCURACY

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

Spike Compounds

Results for several analytes were qualified due to MS and MSD recoveries that were outside acceptable laboratory control limits. MS and MSD recoveries were below the laboratory control limits for the PAH compounds benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene, and dibenz(a,h)anthracene. All associated project sample results (i.e., groundwater samples SB-05, SB-06, SB-07, SB-08, SB-10, SB-12) were non-detect and were qualified with "UJ" to indicate that the analyte was not detected at a level greater than or equal to the laboratory reporting limit; however, the laboratory reporting limit is approximate and may be inaccurate or imprecise.

No results were qualified due to LCS or LCSD recoveries.

Surrogate Recoveries

All surrogate recoveries were within their respective quality control criteria.

Method Blanks

There were no detections in associated method blank samples.

Other Factors

Other factors influenced data accuracy as reported by the analytical laboratory.

Reporting Trace Compounds

At AMEC's request, the analytical laboratory reported the results for total petroleum hydrocarbons quantified as diesel (TPHd) and total petroleum hydrocarbons quantified as motor oil (TPHmo) that were positively identified between their respective method detection limits (MDLs) and the RLs. The TPHd results for groundwater samples SB-07 and SB-12 were qualified with "J" to indicate that the analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample.

Sample Preparation and Preservation

The work plan specified that the samples SB-05, SB-06, SB-07, and SB-08 would be analyzed for dissolved total chromium; however, the laboratory initially performed the analyses with unfiltered samples. After this error was noted, AMEC requested that samples be reanalyzed by the analytical laboratory using excess groundwater from other sample containers collected from these borings. The sample volume used for the reanalysis was unfiltered and unpreserved between sampling (on September 28 and 29, 2010) and sample extraction (on October 4, 2010), and was stored in a glass container. The laboratory filtered the samples and performed dissolved total chromium analysis. However, since the unfiltered samples were stored in unpreserved glass containers, rather than being filtered and then stored in preserved plastic containers as required by the analytical method, the dissolved total chromium results for samples SB-05, SB-06, SB-07 and SB-08 were qualified with "J-" for detections, to indicate that the result is an estimated quantity, but the result may be biased low.

DATA PRECISION

Data precision is evaluated by comparing analytical results from duplicate sample pairs and evaluating the calculated relative percent difference (RPD) between the data sets. Results for LCS/LCSD and MS/MSD samples and one field duplicate sample were evaluated to assess the precision of the analytical methods. The RPDs for the all LCS/LCSD and MS/MSD analyses were within criteria. There were no detections in the primary sample SB-04 and its field duplicate sample, SB-40.

DATA COMPLETENESS

Completeness is the ratio of the number of valid sample results to the total number of samples analyzed with a specific matrix and/or analysis. The percent complete is calculated by the following equation:

$$\% \text{ Complete} = \frac{(\text{number of valid measurements})}{(\text{number of measurements planned})} \times 100$$

The percent complete for groundwater sample data collected during the September 2010 sampling event is 100 percent.

SUMMARY OF GROUNDWATER DATA QUALITY REVIEW

Based on an evaluation of data quality, some data were qualified as positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (qualified with "J"); some data were qualified as estimated quantities that may be biased low (qualified with "J-"); and some data were qualified as not detected at a level greater than or equal to the laboratory reporting limit, but the laboratory reporting limit is approximate and may be inaccurate or imprecise (qualified with "UJ"). 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.

APPENDIX D

Copies of Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30799-1

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release
Afsaneh Salimpour
Project Manager I
11/4/2010 5:03 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/04/2010
Revision: 2

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-30799-1

Comments
No additional comments.

Receipt
Received 3 vials (soil) and 1 soil jar for SB-04-3.0 which is not listed on COC. Logged in as HOLD.

Did not receive enough sample to do MS/MSD for diesel and PAH.

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

GC/MS VOA
Method(s) 8260B: The amount of GRO was estimated and high level Meoh Ext. was ND.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: SB-01-13.8 (720-30799-1). Evidence of matrix interference is present; therefore, re-analysis was not performed.

No other analytical or quality issues were noted.

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

GC Semi VOA :

Samples for dissolved TPH(Diesel and Motor oil) were filtered at the lab using 0.7 micron glass fiber filter.

All samples for TPH(Diesel and Motor oil) were analysed with Silica Gel clean up using Method 3630C.

No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Lab Sample ID / Client Sample ID / Analyte	Result / Qualifier	Reporting Limit	Units	Method
720-30799-1 SB-01-13.8				
Gasoline Range Organics (GRO)-C5-C12	13000 J E	180	ug/Kg	8260B/CA_LUFTMS
720-30799-3 SB-02-11.5				
Gasoline Range Organics (GRO)-C5-C12	1400	180	ug/Kg	8260B/CA_LUFTMS
720-30799-5 SB-02				
Gasoline Range Organics (GRO)-C5-C12	63	50	ug/L	8260B/CA_LUFTMS
720-30799-8 SB-11				
Dissolved				
Diesel Range Organics [C10-C28]	1452 J B	52	ug/L	8015B
720-30799-12 SB-04				
Dissolved				
Diesel Range Organics [C10-C28]	1452 J B	52	ug/L	8015B
720-30799-14 SB-04-3.0				
Silica Gel Cleanup				
Diesel Range Organics [C10-C28]	2.6	1.0	mg/Kg	8015B

METHOD SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Ultrasonic Extraction	TAL SF		SW846 3550B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Sample Filtration	TAL SF		FILTRATION
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Le, Lien	LL
SW846 8270C SIM	Lee, Michael	ML
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30799-1	SB-01-13.8	Solid	09/27/2010 0850	09/27/2010 1920
720-30799-3	SB-02-11.5	Solid	09/27/2010 1000	09/27/2010 1920
720-30799-5	SB-02	Water	09/27/2010 1050	09/27/2010 1920
720-30799-6	SB-01	Water	09/27/2010 1115	09/27/2010 1920
720-30799-7	SB-11-12.8	Solid	09/27/2010 1330	09/27/2010 1920
720-30799-8	SB-11	Water	09/27/2010 1400	09/27/2010 1920
720-30799-9	SB-04-12.0	Solid	09/27/2010 1645	09/27/2010 1920
720-30799-12	SB-04	Water	09/27/2010 1700	09/27/2010 1920
720-30799-12MS	SB-04	Water	09/27/2010 1700	09/27/2010 1920
720-30799-12MSD	SB-04	Water	09/27/2010 1700	09/27/2010 1920
720-30799-13	SB-40	Water	09/27/2010 1755	09/27/2010 1920
720-30799-14	SB-04-3.0	Solid	09/27/2010 1515	09/27/2010 1920

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-01-13.8

Lab Sample ID: 720-30799-1 Date Sampled: 09/27/2010 0850
Client Matrix: Solid Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-78924 Instrument ID: HP12
Preparation: 5035 Prep Batch: 720-79064 Lab File ID: 09291009.D
Dilution: 1.0 Initial Weight/Volume: 6.916 g
Date Analyzed: 09/29/2010 1201 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 0700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.6
Gasoline Range Organics (GRO)-C5-C12		13000 J	E	180
Ethylbenzene		ND		3.6
MTBE		ND		3.6
Toluene		ND		3.6
Xylenes, Total		ND		7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	145	X	65 - 117
1,2-Dichloroethane-d4 (Surr)	100		73 - 140
Toluene-d8 (Surr)	109		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-02-11.5

Lab Sample ID: 720-30799-3 Date Sampled: 09/27/2010 1000
Client Matrix: Solid Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-78924 Instrument ID: HP12
Preparation: 5035 Prep Batch: 720-79064 Lab File ID: 09291012.D
Dilution: 1.0 Initial Weight/Volume: 6.902 g
Date Analyzed: 09/29/2010 1351 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 0700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.6
Gasoline Range Organics (GRO)-C5-C12		1400		180
Ethylbenzene		ND		3.6
MTBE		ND		3.6
Toluene		ND		3.6
Xylenes, Total		ND		7.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		65 - 117
1,2-Dichloroethane-d4 (Surr)	97		73 - 140
Toluene-d8 (Surr)	99		72 - 113

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-02

Lab Sample ID: 720-30799-5
Client Matrix: Water

Date Sampled: 09/27/2010 1050
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/30/2010 0038
Date Prepared: 09/30/2010 0038

Analysis Batch: 720-79007

Instrument ID: HP12
Lab File ID: 09291034.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	63		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	97		70 - 130

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-01

Lab Sample ID: 720-30799-6
Client Matrix: Water

Date Sampled: 09/27/2010 1115
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/30/2010 0108
Date Prepared: 09/30/2010 0108

Analysis Batch: 720-79007

Instrument ID: HP12
Lab File ID: 09291035.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	95		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-12.0

Lab Sample ID: 720-30799-9
Client Matrix: Solid

Date Sampled: 09/27/2010 1645
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/29/2010 1301
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064

Instrument ID: HP12
Lab File ID: 09291011.D
Initial Weight/Volume: 6.329 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.0
Gasoline Range Organics (GRO)-C5-C12		ND		200
Ethylbenzene		ND		4.0
MTBE		ND		4.0
Toluene		ND		4.0
Xylenes, Total		ND		7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		65 - 117
1,2-Dichloroethane-d4 (Surr)	96		73 - 140
Toluene-d8 (Surr)	96		72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID: 720-30799-12
Client Matrix: Water

Date Sampled: 09/27/2010 1700
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/30/2010 0137
Date Prepared: 09/30/2010 0137

Analysis Batch: 720-79007

Instrument ID: HP12
Lab File ID: 09291036.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	96		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID: 720-30799-13
Client Matrix: Water

Date Sampled: 09/27/2010 1755
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 09/30/2010 0306
Date Prepared: 09/30/2010 0306

Analysis Batch: 720-79007

Instrument ID: HP12
Lab File ID: 09291039.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	94		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID: 720-30799-14
Client Matrix: Solid

Date Sampled: 09/27/2010 1515
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5035
Dilution: 1.0
Date Analyzed: 09/29/2010 1751
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064

Instrument ID: HP12
Lab File ID: 09291020.D
Initial Weight/Volume: 7.68 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.3
Gasoline Range Organics (GRO)-C5-C12		ND		160
Ethylbenzene		ND		3.3
MTBE		ND		3.3
Toluene		ND		3.3
Xylenes, Total		ND		6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		65 - 117
1,2-Dichloroethane-d4 (Surr)	94		73 - 140
Toluene-d8 (Surr)	94		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-11-12.8

Lab Sample ID: 720-30799-7 Date Sampled: 09/27/2010 1330
Client Matrix: Solid Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79035	Instrument ID: SVOA HP 4
Preparation:	3550B	Prep Batch: 720-78948	Lab File ID: 09301005.D
Dilution:	1.0		Initial Weight/Volume: 30.30 g
Date Analyzed:	09/30/2010 1226		Final Weight/Volume: 1 mL
Date Prepared:	09/29/2010 1138		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		5.0
Acenaphthene		ND		5.0
Acenaphthylene		ND		5.0
Fluorene		ND		5.0
Phenanthrene		ND		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		33 - 120
Terphenyl-d14	98		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-11

Lab Sample ID: 720-30799-8 Date Sampled: 09/27/2010 1400
Client Matrix: Water Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79122	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79056	Lab File ID: 10011023.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/01/2010 1936		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1403		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	67		29 - 120
Terphenyl-d14	89		45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-12.0

Lab Sample ID: 720-30799-9
Client Matrix: Solid

Date Sampled: 09/27/2010 1645
Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79035	Instrument ID: SVOA HP 4
Preparation:	3550B	Prep Batch: 720-78948	Lab File ID: 09301006.D
Dilution:	1.0		Initial Weight/Volume: 30.20 g
Date Analyzed:	09/30/2010 1250		Final Weight/Volume: 1 mL
Date Prepared:	09/29/2010 1138		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		5.0
Acenaphthene		ND		5.0
Acenaphthylene		ND		5.0
Fluorene		ND		5.0
Phenanthrene		ND		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	84		33 - 120
Terphenyl-d14	97		35 - 146

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID: 720-30799-12
Client Matrix: Water

Date Sampled: 09/27/2010 1700
Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79373	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79056	Lab File ID: 10061007.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/06/2010 1558		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1403		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		29 - 120
Terphenyl-d14	90		45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID: 720-30799-13
Client Matrix: Water

Date Sampled: 09/27/2010 1755
Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79373	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79056	Lab File ID: 10061008.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/06/2010 1621		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1403		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	61		29 - 120
Terphenyl-d14	88		45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID: 720-30799-14
Client Matrix: Solid

Date Sampled: 09/27/2010 1515
Date Received: 09/27/2010 1920

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79035	Instrument ID: SVOA HP 4
Preparation:	3550B	Prep Batch: 720-78948	Lab File ID: 09301007.D
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	09/30/2010 1314		Final Weight/Volume: 1 mL
Date Prepared:	09/29/2010 1138		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND		5.0
Acenaphthene		ND		5.0
Acenaphthylene		ND		5.0
Fluorene		ND		5.0
Phenanthrene		ND		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	70		33 - 120
Terphenyl-d14	93		35 - 146

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: **SB-11-12.8**

Lab Sample ID: 720-30799-7
Client Matrix: Solid

Date Sampled: 09/27/2010 1330
Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79101	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79041	Initial Weight/Volume: 30.19 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/01/2010 1546		Injection Volume: 1 uL
Date Prepared:	09/30/2010 1126		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	85		46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: **SB-11**

Lab Sample ID: 720-30799-8
Client Matrix: Water

Date Sampled: 09/27/2010 1400
Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79290	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79293	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 2351		Injection Volume: 1 uL
Date Prepared:	10/05/2010 0934		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	91		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-11

Lab Sample ID: 720-30799-8 Date Sampled: 09/27/2010 1400
Client Matrix: Water Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-78937	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-78897	Initial Weight/Volume: 960 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	09/29/2010 1948		Injection Volume: 1 uL
Date Prepared:	09/28/2010 1829		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~47~~ < 52	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	93		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-04-12.0

Lab Sample ID: 720-30799-9 Date Sampled: 09/27/2010 1645
Client Matrix: Solid Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79101	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79041	Initial Weight/Volume: 30.15 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/01/2010 1608		Injection Volume: 1 uL
Date Prepared:	09/30/2010 1126		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	88		46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID: 720-30799-12
Client Matrix: Water

Date Sampled: 09/27/2010 1700
Date Received: 09/27/2010 1920

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 10/06/2010 0014
Date Prepared: 10/05/2010 0934

Analysis Batch: 720-79290
Prep Batch: 720-79293

Instrument ID: CHDRO5
Initial Weight/Volume: 980 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	93		31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID: 720-30799-12
Client Matrix: Water

Date Sampled: 09/27/2010 1700
Date Received: 09/27/2010 1920

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 09/29/2010 2011
Date Prepared: 09/28/2010 1829

Analysis Batch: 720-78937
Prep Batch: 720-78897

Instrument ID: CHDRO5
Initial Weight/Volume: 950 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	1.452	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.6		0 - 5
p-Terphenyl	89		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID: 720-30799-13 Date Sampled: 09/27/2010 1755
Client Matrix: Water Date Received: 09/27/2010 1920

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 10/06/2010 0037
Date Prepared: 10/05/2010 0934
Analysis Batch: 720-79290
Prep Batch: 720-79293
Instrument ID: CHDRO5
Initial Weight/Volume: 960 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	90		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID: 720-30799-13 Date Sampled: 09/27/2010 1755
Client Matrix: Water Date Received: 09/27/2010 1920

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 09/29/2010 2035
Date Prepared: 09/28/2010 1829
Analysis Batch: 720-78937
Prep Batch: 720-78897
Instrument ID: CHDRO5
Initial Weight/Volume: 940 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		11	53
Motor Oil Range Organics [C24-C36]	ND		130	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	92		31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID: 720-30799-14
Client Matrix: Solid

Date Sampled: 09/27/2010 1515
Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79101		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.12 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1631			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		2.6		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	95		46 - 115

DATA REPORTING QUALIFIERS

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Section	Qualifier	Description
GC/MS VOA		
	E	Result exceeded calibration range.
	X	Surrogate is outside control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-78924					
LCS 720-79064/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79064
LCS 720-79064/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79064
LCSD 720-79064/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79064
LCSD 720-79064/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79064
MB 720-79064/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-79064
720-30799-1	SB-01-13.8	T	Solid	8260B/CA_LUFT	720-79064
720-30799-3	SB-02-11.5	T	Solid	8260B/CA_LUFT	720-79064
720-30799-9	SB-04-12.0	T	Solid	8260B/CA_LUFT	720-79064
720-30799-14	SB-04-3.0	T	Solid	8260B/CA_LUFT	720-79064
Analysis Batch:720-79007					
LCS 720-79007/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79007/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79007/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79007/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79007/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30799-5	SB-02	T	Water	8260B/CA_LUFT	
720-30799-6	SB-01	T	Water	8260B/CA_LUFT	
720-30799-12	SB-04	T	Water	8260B/CA_LUFT	
720-30799-12MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30799-12MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-30799-13	SB-40	T	Water	8260B/CA_LUFT	
Prep Batch: 720-79064					
LCS 720-79064/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-79064/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79064/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-79064/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-79064/1-A	Method Blank	T	Solid	5035	
720-30799-1	SB-01-13.8	T	Solid	5035	
720-30799-3	SB-02-11.5	T	Solid	5035	
720-30799-9	SB-04-12.0	T	Solid	5035	
720-30799-14	SB-04-3.0	T	Solid	5035	

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-78948					
LCS 720-78948/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-78948/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-78948/1-A	Method Blank	T	Solid	3550B	
720-30799-7	SB-11-12.8	T	Solid	3550B	
720-30799-9	SB-04-12.0	T	Solid	3550B	
720-30799-14	SB-04-3.0	T	Solid	3550B	
720-30799-14MS	Matrix Spike	T	Solid	3550B	
720-30799-14MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-79035					
LCS 720-78948/2-A	Lab Control Sample	T	Solid	8270C SIM	720-78948
LCSD 720-78948/3-A	Lab Control Sample Duplicate	T	Solid	8270C SIM	720-78948
MB 720-78948/1-A	Method Blank	T	Solid	8270C SIM	720-78948
720-30799-7	SB-11-12.8	T	Solid	8270C SIM	720-78948
720-30799-9	SB-04-12.0	T	Solid	8270C SIM	720-78948
720-30799-14	SB-04-3.0	T	Solid	8270C SIM	720-78948
720-30799-14MS	Matrix Spike	T	Solid	8270C SIM	720-78948
720-30799-14MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	720-78948
Prep Batch: 720-79056					
LCS 720-79056/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-79056/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-79056/1-A	Method Blank	T	Water	3510C	
720-30799-8	SB-11	T	Water	3510C	
720-30799-12	SB-04	T	Water	3510C	
720-30799-13	SB-40	T	Water	3510C	
Analysis Batch:720-79122					
LCS 720-79056/2-A	Lab Control Sample	T	Water	8270C SIM	720-79056
LCSD 720-79056/3-A	Lab Control Sample Duplicate	T	Water	8270C SIM	720-79056
MB 720-79056/1-A	Method Blank	T	Water	8270C SIM	720-79056
720-30799-8	SB-11	T	Water	8270C SIM	720-79056
Analysis Batch:720-79373					
720-30799-12	SB-04	T	Water	8270C SIM	720-79056
720-30799-13	SB-40	T	Water	8270C SIM	720-79056

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-78897					
LCS 720-78890/2-B	Lab Control Sample	D	Water	3510C SGC	
LCSD 720-78890/3-B	Lab Control Sample Duplicate	D	Water	3510C SGC	
MB 720-78890/1-B	Method Blank	D	Water	3510C SGC	
720-30799-8	SB-11	D	Water	3510C SGC	
720-30799-12	SB-04	D	Water	3510C SGC	
720-30799-13	SB-40	D	Water	3510C SGC	
Analysis Batch:720-78937					
LCS 720-78890/2-B	Lab Control Sample	D	Water	8015B	720-78897
LCSD 720-78890/3-B	Lab Control Sample Duplicate	D	Water	8015B	720-78897
MB 720-78890/1-B	Method Blank	D	Water	8015B	720-78897
720-30799-8	SB-11	D	Water	8015B	720-78897
720-30799-12	SB-04	D	Water	8015B	720-78897
720-30799-13	SB-40	D	Water	8015B	720-78897
Prep Batch: 720-79041					
LCS 720-79041/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79041/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79041/1-A	Method Blank	A	Solid	3550B	
720-30799-7	SB-11-12.8	A	Solid	3550B	
720-30799-9	SB-04-12.0	A	Solid	3550B	
720-30799-14	SB-04-3.0	A	Solid	3550B	
720-30837-A-6-B MS	Matrix Spike	A	Solid	3550B	
720-30837-A-6-C MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-79101					
LCS 720-79041/2-A	Lab Control Sample	A	Solid	8015B	720-79041
LCSD 720-79041/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79041
MB 720-79041/1-A	Method Blank	A	Solid	8015B	720-79041
720-30799-7	SB-11-12.8	A	Solid	8015B	720-79041
720-30799-9	SB-04-12.0	A	Solid	8015B	720-79041
720-30799-14	SB-04-3.0	A	Solid	8015B	720-79041
Analysis Batch:720-79102					
720-30837-A-6-B MS	Matrix Spike	A	Solid	8015B	720-79041
720-30837-A-6-C MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79041
Analysis Batch:720-79290					
LCS 720-79293/2-A	Lab Control Sample	A	Water	8015B	720-79293
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79293
720-30799-8	SB-11	A	Water	8015B	720-79293
720-30799-12	SB-04	A	Water	8015B	720-79293
720-30799-13	SB-40	A	Water	8015B	720-79293

Client: AMEC Geomatrix Inc. Job Number: 720-30799-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-79293					
LCS 720-79293/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79293/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79293/1-A	Method Blank	A	Water	3510C SGC	
720-30799-8	SB-11	A	Water	3510C SGC	
720-30799-12	SB-04	A	Water	3510C SGC	
720-30799-13	SB-40	A	Water	3510C SGC	
Analysis Batch:720-79353					
MB 720-79293/1-A	Method Blank	A	Water	8015B	720-79293

Report Basis
D = Dissolved
A = Silica Gel Cleanup

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-79007

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79007/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 0008
Date Prepared: 09/30/2010 0008

Analysis Batch: 720-79007
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 09291033.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Methyl tert-butyl ether	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	95	67 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79007

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79007/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2209
Date Prepared: 09/29/2010 2209

Analysis Batch: 720-79007
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 09291029.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79007/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2239
Date Prepared: 09/29/2010 2239

Analysis Batch: 720-79007
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 09291030.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	94	92	82 - 127	3	20		
Ethylbenzene	97	96	86 - 135	1	20		
Methyl tert-butyl ether	106	98	62 - 130	8	20		
m-Xylene & p-Xylene	98	97	70 - 142	1	20		
o-Xylene	100	97	89 - 136	2	20		
Toluene	96	94	83 - 129	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	87	85	67 - 130
Toluene-d8 (Surr)	98	98	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79007

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79007/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2308
Date Prepared: 09/29/2010 2308

Analysis Batch: 720-79007
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 09291031.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79007/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2338
Date Prepared: 09/29/2010 2338

Analysis Batch: 720-79007
Prep Batch: N/A
Units: ug/L

Instrument ID: HP12
Lab File ID: 09291032.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	80	81	62 - 117	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	101	67 - 130
1,2-Dichloroethane-d4 (Surr)	91	91	67 - 130
Toluene-d8 (Surr)	98	97	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79007

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-30799-12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 0207
Date Prepared: 09/30/2010 0207

Analysis Batch: 720-79007
Prep Batch: N/A

Instrument ID: HP12
Lab File ID: 09291037.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30799-12
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/30/2010 0237
Date Prepared: 09/30/2010 0237

Analysis Batch: 720-79007
Prep Batch: N/A

Instrument ID: HP12
Lab File ID: 09291038.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Methyl tert-butyl ether	105	102	60 - 138	3	20		
Benzene	91	92	60 - 140	1	20		
Ethylbenzene	95	94	60 - 140	1	20		
Toluene	92	92	60 - 140	0	20		
m-Xylene & p-Xylene	96	95	60 - 140	1	20		
o-Xylene	98	98	60 - 140	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	98	67 - 130
1,2-Dichloroethane-d4 (Surr)	97	94	67 - 130
Toluene-d8 (Surr)	99	99	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-79064

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID: MB 720-79064/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 0921
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064
Units: ug/Kg

Instrument ID: HP12
Lab File ID: 09291004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Ethylbenzene	ND		5.0
MTBE	ND		5.0
m-Xylene & p-Xylene	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	65 - 117
1,2-Dichloroethane-d4 (Surr)	100	73 - 140
Toluene-d8 (Surr)	95	72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79064

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79064/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 0951
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064
Units: ug/Kg

Instrument ID: HP12
Lab File ID: 09291005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79064/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1021
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064
Units: ug/Kg

Instrument ID: HP12
Lab File ID: 09291006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	99	101	82 - 124	2	20		
Ethylbenzene	99	101	80 - 137	2	20		
MTBE	112	115	71 - 144	3	20		
m-Xylene & p-Xylene	101	103	79 - 146	2	20		
Toluene	96	99	83 - 128	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	102	65 - 117
1,2-Dichloroethane-d4 (Surr)	100	97	73 - 140
Toluene-d8 (Surr)	100	100	72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79064

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79064/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1051
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064
Units: ug/Kg

Instrument ID: HP12
Lab File ID: 09291007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79064/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/29/2010 1121
Date Prepared: 09/29/2010 0700

Analysis Batch: 720-78924
Prep Batch: 720-79064
Units: ug/Kg

Instrument ID: HP12
Lab File ID: 09291008.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	89	86	68 - 115	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	102	65 - 117
1,2-Dichloroethane-d4 (Surr)	103	102	73 - 140
Toluene-d8 (Surr)	98	96	72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-78948

Method: 8270C SIM
Preparation: 3550B

Lab Sample ID: MB 720-78948/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1203
Date Prepared: 09/29/2010 1138

Analysis Batch: 720-79035
Prep Batch: 720-78948
Units: ug/Kg

Instrument ID: SVOA HP 4
Lab File ID: 09301004.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		5.0
Acenaphthene	ND		5.0
Acenaphthylene	ND		5.0
Fluorene	ND		5.0
Phenanthrene	ND		5.0
Anthracene	ND		5.0
Benzo[a]anthracene	ND		5.0
Chrysene	ND		5.0
Benzo[a]pyrene	ND		5.0
Benzo[b]fluoranthene	ND		5.0
Benzo[k]fluoranthene	ND		5.0
Benzo[g,h,i]perylene	ND		5.0
Indeno[1,2,3-cd]pyrene	ND		5.0
Fluoranthene	ND		5.0
Pyrene	ND		5.0
Dibenz(a,h)anthracene	ND		5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	82	33 - 120
Terphenyl-d14	92	35 - 146

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78948

Method: 8270C SIM
Preparation: 3550B

LCS Lab Sample ID: LCS 720-78948/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1115
Date Prepared: 09/29/2010 1138

Analysis Batch: 720-79035
Prep Batch: 720-78948
Units: ug/Kg

Instrument ID: SVOA HP 4
Lab File ID: 09301002.D
Initial Weight/Volume: 30.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-78948/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1139
Date Prepared: 09/29/2010 1138

Analysis Batch: 720-79035
Prep Batch: 720-78948
Units: ug/Kg

Instrument ID: SVOA HP 4
Lab File ID: 09301003.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	78	76	46 - 120	2	20		
Acenaphthene	85	83	49 - 120	1	20		
Acenaphthylene	79	78	52 - 120	1	20		
Fluorene	98	98	52 - 120	0	20		
Phenanthrene	89	84	48 - 120	6	20		
Anthracene	81	75	52 - 120	7	20		
Benzo[a]anthracene	86	83	52 - 120	3	20		
Chrysene	94	92	54 - 120	1	20		
Benzo[a]pyrene	88	87	54 - 120	0	20		
Benzo[b]fluoranthene	100	98	51 - 120	2	20		
Benzo[k]fluoranthene	86	85	56 - 120	0	20		
Benzo[g,h,i]perylene	91	90	48 - 120	1	20		
Indeno[1,2,3-cd]pyrene	95	93	48 - 120	1	20		
Fluoranthene	91	86	57 - 120	5	20		
Pyrene	90	86	53 - 120	4	20		
Dibenz(a,h)anthracene	94	92	50 - 120	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	82	80	33 - 120
Terphenyl-d14	94	91	35 - 146

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-78948

Method: 8270C SIM
Preparation: 3550B

MS Lab Sample ID: 720-30799-14
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1338
Date Prepared: 09/29/2010 1138

Analysis Batch: 720-79035
Prep Batch: 720-78948

Instrument ID: SVOA HP 4
Lab File ID: 09301008.D
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 720-30799-14
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1402
Date Prepared: 09/29/2010 1138

Analysis Batch: 720-79035
Prep Batch: 720-78948

Instrument ID: SVOA HP 4
Lab File ID: 09301009.D
Initial Weight/Volume: 30.13 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Naphthalene	57	59	32 - 120	4	20		
Acenaphthene	63	66	33 - 120	5	20		
Acenaphthylene	59	62	28 - 120	5	20		
Fluorene	78	82	35 - 120	6	20		
Phenanthrene	77	76	28 - 120	2	20		
Anthracene	71	69	36 - 120	2	20		
Benzo[a]anthracene	80	79	29 - 120	2	20		
Chrysene	89	88	29 - 120	0	20		
Benzo[a]pyrene	83	81	24 - 120	2	20		
Benzo[b]fluoranthene	87	87	17 - 132	0	20		
Benzo[k]fluoranthene	83	82	35 - 120	1	20		
Benzo[g,h,i]perylene	84	83	21 - 120	2	20		
Indeno[1,2,3-cd]pyrene	88	86	20 - 126	1	20		
Fluoranthene	84	81	24 - 120	2	20		
Pyrene	82	81	24 - 123	1	20		
Dibenz(a,h)anthracene	88	86	36 - 120	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	59	61	33 - 120
Terphenyl-d14	85	83	35 - 146

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-79056

Method: 8270C SIM
Preparation: 3510C

Lab Sample ID: MB 720-79056/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1206
Date Prepared: 09/30/2010 1403

Analysis Batch: 720-79122
Prep Batch: 720-79056
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10011004.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	83	29 - 120
Terphenyl-d14	96	45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79056

Method: 8270C SIM
Preparation: 3510C

LCS Lab Sample ID: LCS 720-79056/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1118
Date Prepared: 09/30/2010 1403

Analysis Batch: 720-79122
Prep Batch: 720-79056
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10011002.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-79056/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1142
Date Prepared: 09/30/2010 1403

Analysis Batch: 720-79122
Prep Batch: 720-79056
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10011003.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	89	66	33 - 120	30	35		
Acenaphthene	82	62	37 - 120	28	35		
Acenaphthylene	78	59	36 - 120	29	35		
Fluorene	97	77	39 - 120	24	35		
Phenanthrene	83	71	44 - 120	16	35		
Anthracene	79	72	45 - 120	9	35		
Benzo[a]anthracene	85	83	48 - 120	3	35		
Chrysene	94	91	52 - 120	3	35		
Benzo[a]pyrene	91	88	50 - 120	4	35		
Benzo[b]fluoranthene	97	98	48 - 120	1	35		
Benzo[k]fluoranthene	88	86	50 - 120	3	35		
Benzo[g,h,i]perylene	82	81	49 - 120	2	35		
Indeno[1,2,3-cd]pyrene	86	84	48 - 120	2	35		
Fluoranthene	87	82	46 - 120	6	35		
Pyrene	88	82	50 - 120	6	35		
Dibenz(a,h)anthracene	85	83	48 - 101	2	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	82	60	29 - 120
Terphenyl-d14	91	89	45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-78897

Method: 8015B
Preparation: 3510C SGC
Dissolved

Lab Sample ID: MB 720-78890/1-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2145
Date Prepared: 09/28/2010 1753

Analysis Batch: 720-78937
Prep Batch: 720-78897
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 0929105a_037.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	13.7	J	10	50
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	99	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-78897

Method: 8015B
Preparation: 3510C SGC
Dissolved

LCS Lab Sample ID: LCS 720-78890/2-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2058
Date Prepared: 09/28/2010 1753

Analysis Batch: 720-78937
Prep Batch: 720-78897
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 0929105a_035.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-78890/3-B
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 2122
Date Prepared: 09/28/2010 1753

Analysis Batch: 720-78937
Prep Batch: 720-78897
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 0929105a_036.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	46	52	32 - 119	12	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	86	115	31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID: MB 720-79041/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1431
Date Prepared: 09/30/2010 1126

Analysis Batch: 720-79101
Prep Batch: 720-79041
Units: mg/Kg

Instrument ID: CHDRO6
Lab File ID: FID1000020.D
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	86	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79041/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1503
Date Prepared: 09/30/2010 1126

Analysis Batch: 720-79101
Prep Batch: 720-79041
Units: mg/Kg

Instrument ID: CHDRO6
Lab File ID: FID1000021.D
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79041/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1524
Date Prepared: 09/30/2010 1126

Analysis Batch: 720-79101
Prep Batch: 720-79041
Units: mg/Kg

Instrument ID: CHDRO6
Lab File ID: FID1000022.D
Initial Weight/Volume: 30.24 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	90	86	45 - 115	4	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	98	46 - 115

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID: 720-30837-A-6-B MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1737
Date Prepared: 09/30/2010 1126
Analysis Batch: 720-79102
Prep Batch: 720-79041
Instrument ID: CHDRO6
Lab File ID: FID2000028.D
Initial Weight/Volume: 30.16 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-30837-A-6-C MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1759
Date Prepared: 09/30/2010 1126
Analysis Batch: 720-79102
Prep Batch: 720-79041
Instrument ID: CHDRO6
Lab File ID: FID2000029.D
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	57	58	50 - 130	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	97	46 - 115

Method Blank - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79293/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0958
Date Prepared: 10/05/2010 0934
Analysis Batch: 720-79353
Prep Batch: 720-79293
Units: ug/L
Instrument ID: CHDRO6
Lab File ID: FID1000009.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	50
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	91	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79293

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79293/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0211
Date Prepared: 10/05/2010 0934
Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L
Instrument ID: CHDRO5
Lab File ID: 1005105b_043.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79293/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 0234
Date Prepared: 10/05/2010 0934
Analysis Batch: 720-79290
Prep Batch: 720-79293
Units: ug/L
Instrument ID: CHDRO5
Lab File ID: 1005105b_044.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	45	43	32 - 119	5	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	102	98	31 - 150

CHAIN-OF-CUSTODY RECORD

720-30799

OAK 13205

12747

PROJECT NAME: Crown Chevrolet

DATE: 9/27/2010 PAGE 2 OF 3

PROJECT NUMBER:

RESULTS TO:

TURNAROUND TIME: See Page 1 of 3

SAMPLE SHIPMENT METHOD:

LABORATORY NAME:

LABORATORY ADDRESS:

LABORATORY CONTACT:

LABORATORY PHONE NUMBER:

CLIENT INFORMATION:

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	BTEX, TPHg, MTBE	TPH d/mo	PAH	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9	9/27/2010	1645	SB-04-12.0	X			40 mL VOA	S	N	DI H2O	Y	N	2	
								S	N	Methanol	Y	N	1	
10		1650	SB-04-8.5	X	X		8oz glass jar	S	N	none	Y	N	1	
							40mL VOA			DI H2O			2	HOLD
										Methanol			1	
11		1655	SB-04-7.0	X	X		8oz glass jar			None			1	
							40mL VOA			DI H2O			2	
										Methanol			1	
12		1700	SB-04	X	X		8oz glass jar	↓		None		↓	1	↓
					X		40mL VOA	W		HCl		Y	5	MS/MSD
					X		32oz Amber Jar			HCL		N	2	↓
						X				None		N	2	LAB Filter
							↓			None		Y	2	MS/MSD
13		1755	SB-40	X			40mL VOA			HCl		N	3	↓
	↓	↓	↓		X		32oz Amber Jar	↓		HCl	↓	N	2	↓

TOTAL NUMBER OF CONTAINERS: 28

SAMPLING COMMENTS: See Page 1 of 3

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	9/27/10	1854	SIGNATURE:	9/27/10	1854
PRINTED NAME: Greg Stanley			PRINTED NAME: Kyle Martinez		
COMPANY: AMEC			COMPANY: TASF		
SIGNATURE:	9/27/10	1920	SIGNATURE:	9/27/10	1920
PRINTED NAME: Ed Martinez			PRINTED NAME: Willie H.		
COMPANY: TASF			COMPANY: TASF		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

11/04/2010

Page 52 of 54

CHAIN-OF-CUSTODY RECORD

720-30799

OAK 13204

12747

PROJECT NAME: Crown Chevrolet

DATE: 9/27/2010 PAGE 1 OF 3

PROJECT NUMBER: 9D10016007

RESULTS TO: A. Patton

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD:

LABORATORY NAME: TASF

LABORATORY ADDRESS:

LABORATORY CONTACT: Arsenia

LABORATORY PHONE NUMBER:

CLIENT INFORMATION: AMEC Geomatrix

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE*	TPH d/mo	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	9/27/2010	0850	SB-01-13.8		X				40mL VOA	S	N	DI H2O	Y	N	2	
	↓	↓	↓							S	N	Methanol	Y	N	1	
2		0900	SB-01-11.7		X					S	N	DI H2O	Y	N	2	HOLD
		↓	↓							S	N	Methanol	Y	N	1	↓
3		1000	SB-02-11.5		X					S	N	DI H2O	Y	N	2	
		↓	↓							S	N	Methanol	Y	N	1	
4		1005	SB-02-9.1		X					S	N	DI H2O	Y	N	2	HOLD
		↓	↓							S	N	Methanol	Y	N	1	↓
5		1050	SB-02		X					W	N	HCl	Y	N	3	
6		1115	SB-01		X					W	N	HCl	Y	N	3	
7		1330	SB-11-12.8			X	X		8oz glass Jar	S	N	None	Y	N	1	
8		1400	SB-11			X			32oz Amber Jar	W	N	HCL	Y	N	2	
		↓	↓			X			↓	W	N	None	Y	N	2	Filter @ lab
										W	N	None	Y	N	2	

BLANK LINE

TOTAL NUMBER OF CONTAINERS: 25

SAMPLING COMMENTS:

*Silica Gel cleanup

VOC, TPHg, BTEX by 8260B & MTBE

TPH d/mo by 8015 → blue marked, filter using 0.7µm glass filter

PAHs by 8270C SIM

Chromium = total & Hex by 6020

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	9/27/10	1854	SIGNATURE:	9/27/10	1854
PRINTED NAME: Greg Stanley			PRINTED NAME: Ed Martinez		
COMPANY: AMEC			COMPANY: TASF		
SIGNATURE:	9/27/10	1900	SIGNATURE:	9/27/10	1920
PRINTED NAME: Ed Martinez			PRINTED NAME: Willie H.		
COMPANY: TASF			COMPANY: TASF		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

2 coolers 5.4°C, 5.7°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geom

11/04/2010

Page 51 of 54

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Login Number: 30799
Creator: Hoang, Julie
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30799-2

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release.
Afsaneh Salimpour
Project Manager I
11/4/2010 5:10 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/04/2010
Revision: 1

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-30799-2

Comments
No additional comments.

Receipt
Received 3 vials (soil) and 1 soil jar for SB-04-3.0 which is not listed on COC. Logged in as HOLD.

Did not receive enough sample to do MS/MSD for diesel and PAH.

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

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

GC Semi VOA
No analytical or quality issues were noted.

GC Semi VOA :
All samples for TPH(Diesel and Motor oil) were analysed with Silica Gel clean up using Method 3630C.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30799-2	SB-01-11.7	Solid	09/27/2010 0900	09/27/2010 1920
720-30799-4	SB-02-9.1	Solid	09/27/2010 1005	09/27/2010 1920
720-30799-10	SB-04-8.5	Solid	09/27/2010 1650	09/27/2010 1920
720-30799-11	SB-04-7.0	Solid	09/27/2010 1655	09/27/2010 1920

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Client Sample ID: SB-01-11.7

Lab Sample ID: 720-30799-2 Date Sampled: 09/27/2010 0900
Client Matrix: Solid Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79201		Instrument ID:	HP7
Preparation:	5035	Prep Batch: 720-79321		Lab File ID:	10041009.D
Dilution:	1.0			Initial Weight/Volume:	6.774 g
Date Analyzed:	10/04/2010 1340			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.7
Gasoline Range Organics (GRO)-C5-C12		ND		180
Ethylbenzene		ND		3.7
MTBE		ND		3.7
Toluene		ND		3.7
Xylenes, Total		ND		7.4

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		65 - 117
1,2-Dichloroethane-d4 (Surr)	96		73 - 140
Toluene-d8 (Surr)	96		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Client Sample ID: SB-02-9.1

Lab Sample ID: 720-30799-4 Date Sampled: 09/27/2010 1005
Client Matrix: Solid Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79201		Instrument ID:	HP7
Preparation:	5035	Prep Batch: 720-79321		Lab File ID:	10041010.D
Dilution:	1.0			Initial Weight/Volume:	6.583 g
Date Analyzed:	10/04/2010 1414			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.8
Gasoline Range Organics (GRO)-C5-C12		ND		190
Ethylbenzene		ND		3.8
MTBE		ND		3.8
Toluene		ND		3.8
Xylenes, Total		ND		7.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		65 - 117
1,2-Dichloroethane-d4 (Surr)	100		73 - 140
Toluene-d8 (Surr)	96		72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-04-8.5

Lab Sample ID: 720-30799-10
Client Matrix: Solid

Date Sampled: 09/27/2010 1650
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5035
Dilution: 1.0
Date Analyzed: 10/04/2010 1448
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321

Instrument ID: HP7
Lab File ID: 10041011.D
Initial Weight/Volume: 6.436 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		3.9
Gasoline Range Organics (GRO)-C5-C12		ND		190
Ethylbenzene		ND		3.9
MTBE		ND		3.9
Toluene		ND		3.9
Xylenes, Total		ND		7.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		73 - 140
4-Bromofluorobenzene	94		65 - 117
Toluene-d8 (Surr)	98		72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-04-7.0

Lab Sample ID: 720-30799-11
Client Matrix: Solid

Date Sampled: 09/27/2010 1655
Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS
Preparation: 5035
Dilution: 1.0
Date Analyzed: 10/04/2010 1522
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321

Instrument ID: HP7
Lab File ID: 10041012.D
Initial Weight/Volume: 6.315 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.0
Gasoline Range Organics (GRO)-C5-C12		ND		200
Ethylbenzene		ND		4.0
MTBE		ND		4.0
Toluene		ND		4.0
Xylenes, Total		ND		7.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		73 - 140
4-Bromofluorobenzene	90		65 - 117
Toluene-d8 (Surr)	93		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Client Sample ID: SB-04-8.5

Lab Sample ID: 720-30799-10 Date Sampled: 09/27/2010 1650
Client Matrix: Solid Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.45 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1807		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.04		0 - 5
p-Terphenyl	90		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

Client Sample ID: SB-04-7.0

Lab Sample ID: 720-30799-11 Date Sampled: 09/27/2010 1655
Client Matrix: Solid Date Received: 09/27/2010 1920

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.22 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1829		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	83		46 - 115

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: AMEC Geomatrix Inc. Job Number: 720-30799-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-79201					
LCS 720-79321/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79321
LCS 720-79321/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79321
LCSD 720-79321/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79321
LCSD 720-79321/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79321
MB 720-79321/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-79321
720-30799-2	SB-01-11.7	T	Solid	8260B/CA_LUFT	720-79321
720-30799-4	SB-02-9.1	T	Solid	8260B/CA_LUFT	720-79321
720-30799-10	SB-04-8.5	T	Solid	8260B/CA_LUFT	720-79321
720-30799-11	SB-04-7.0	T	Solid	8260B/CA_LUFT	720-79321
Prep Batch: 720-79321					
LCS 720-79321/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-79321/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79321/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-79321/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-79321/1-A	Method Blank	T	Solid	5035	
720-30799-2	SB-01-11.7	T	Solid	5035	
720-30799-4	SB-02-9.1	T	Solid	5035	
720-30799-10	SB-04-8.5	T	Solid	5035	
720-30799-11	SB-04-7.0	T	Solid	5035	

Report Basis
T = Total

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79206					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	8015B	720-79235
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79235
MB 720-79235/1-A	Method Blank	A	Solid	8015B	720-79235
Prep Batch: 720-79235					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79235/1-A	Method Blank	A	Solid	3550B	
720-30799-10	SB-04-8.5	A	Solid	3550B	
720-30799-11	SB-04-7.0	A	Solid	3550B	
720-30865-A-3-D MS	Matrix Spike	A	Solid	3550B	
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-79276					
720-30799-10	SB-04-8.5	A	Solid	8015B	720-79235
720-30799-11	SB-04-7.0	A	Solid	8015B	720-79235
720-30865-A-3-D MS	Matrix Spike	A	Solid	8015B	720-79235
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79235

Report Basis
A = Silica Gel Cleanup

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Method Blank - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID: MB 720-79321/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1042
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250
Ethylbenzene	ND		5.0
m-Xylene & p-Xylene	ND		5.0
MTBE	ND		5.0
Toluene	ND		5.0
Xylenes, Total	ND		10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	73 - 140
4-Bromofluorobenzene	98	65 - 117
Toluene-d8 (Surr)	96	72 - 113

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79321/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1116
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79321/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1150
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	93	93	82 - 124	0	20		
Ethylbenzene	100	101	80 - 137	1	20		
m-Xylene & p-Xylene	101	103	79 - 146	2	20		
MTBE	94	96	71 - 144	2	20		
Toluene	96	99	83 - 128	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	103	73 - 140
4-Bromofluorobenzene	99	100	65 - 117
Toluene-d8 (Surr)	98	97	72 - 113

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79321/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1224
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79321/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1258
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041008.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	83	84	68 - 115	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	104	73 - 140
4-Bromofluorobenzene	99	103	65 - 117
Toluene-d8 (Surr)	94	98	72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Method Blank - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID: MB 720-79235/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0706
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_061.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	93	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79235/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0619
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_059.d
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79235/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0642
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_060.d
Initial Weight/Volume: 30.43 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	83	85	45 - 115	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	100	46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID: 720-30865-A-3-D MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1125
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000012.D
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-30865-A-3-E MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1147
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000013.D
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	55	73	50 - 130	28	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	93	46 - 115

CHAIN-OF-CUSTODY RECORD 720-30799 OAK 13205 12747

11/04/2010

PROJECT NAME: Crown Chevrolet			DATE: 9/27/2010 PAGE 2 OF 3
PROJECT NUMBER:	LABORATORY NAME:	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO:	LABORATORY ADDRESS:		
TURNAROUND TIME: See Page 1 of 3			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT:		GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	BTEX, TPHg, MTBE	TPH d/mo	PAH	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9	9/27/2010	1645	SB-04-12.0	X			40 mL VOA	S	N	DI H2O	Y	N	2	
		↓	↓	X			↓	S	N	Methanol	Y	N	1	
					X	X	8oz glass jar	S	N	None	Y	N	1	
10		1650	SB-04-8.5	X			40mL VOA			DI H2O			2	HOLD
		↓	↓	X			↓			Methanol			1	
					X	X	8oz glass jar			None			1	
11		1655	SB-04-7.0	X			40mL VOA			DI H2O			2	
		↓					↓			Methanol			1	
					X	X	8oz glass jar	↓		None		↓	1	↓
12		1700	SB-04	X			40mL VOA	W		HCl		Y	5	MS/MSD
					X		32oz Amber Jar			HCL		N	2	↓
					X					None		N	2	LAB Filter
		↓	↓			X	↓			None		Y	2	MS/MSD
13		1755	SB-40	X			40mL VOA			HCl		N	3 (2 overwritten)	
	↓	↓	↓		X		32oz Amber Jar	↓		HCl	↓	N	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	
SIGNATURE: [illegible]	9/27/10	1854	SIGNATURE: [illegible]	9/27/10	1854	TOTAL NUMBER OF CONTAINERS: 28
PRINTED NAME: Greg Stauber			PRINTED NAME: Ed Martinez			SAMPLING COMMENTS:
COMPANY: AMEC			COMPANY: TASF			See Page 1 of 3
SIGNATURE: [illegible]	9/27/10	1920	SIGNATURE: [illegible]	9/27/10	1920	
PRINTED NAME: Ed Martinez			PRINTED NAME: Julie H.			
COMPANY: TASF			COMPANY: TASF			
SIGNATURE:			SIGNATURE:			2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141
PRINTED NAME:			PRINTED NAME:			Geomatrix
COMPANY:			COMPANY:			

CHAIN-OF-CUSTODY RECORD 720-30799 OAK 13204 12747

11/04/2010

PROJECT NAME: Crown Chevrolet			DATE: 9/27/2010 PAGE 1 OF 3
PROJECT NUMBER: 0D10016007	LABORATORY NAME: TASF	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: A. Patton	LABORATORY ADDRESS:	AMEC Geomatrix	
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED [✓ YES] NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPH d/mo*	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	9/27/2010	0850	SB-01-13.8		X				40mL VOA	S	N	DI H2O	Y	N	2	
			↓		X					S	N	Methanol	Y	N	1	
2		0900	SB-01-11.7		X					S	N	DI H2O	Y	N	2	HOLD
			↓		X					S	N	Methanol	Y	N	1	↓
3		1000	SB-02-11.5		X					S	N	DI H2O	Y	N	2	
			↓		X					S	N	Methanol	Y	N	1	
4		1005	SB-02-9.1		X					S	N	DI H2O	Y	N	2	HOLD
			↓		X					S	N	Methanol	Y	N	1	↓
5		1050	SB-02		X					W	N	HCl	Y	N	3	
6		1115	SB-01		X				↓	W	N	HCl	Y	N	3	
7		1330	SB-11-12.8			X	X		8oz glass Jar	S	N	None	Y	N	1	
8		1400	SB-11			X			32oz Amber Jar	W	N	HCL	Y	N	2	
						X				W	N	None	Y	N	2	Filter @ lab
	↓		↓				X		↓	W	N	None	Y	N	2	
			BLANK LINE													

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	
SIGNATURE: [illegible]	9/27/10	1854	SIGNATURE: [illegible]	9/27/10	1854	TOTAL NUMBER OF CONTAINERS: 25
PRINTED NAME: Greg Stauber			PRINTED NAME: Ed Martinez			SAMPLING COMMENTS:
COMPANY: AMEC			COMPANY: TASF			*Silica Gel cleanup
SIGNATURE: [illegible]	9/27/10	1920	SIGNATURE: [illegible]	9/27/10	1920	VOC, TPHg, BTEX by ~~8260~~ 8260B & MTBE
PRINTED NAME: Ed Martinez			PRINTED NAME: Julie H.			TPH d/mo by 8015 → where marked, filter using 0.7 um glass fiber
COMPANY: TASF			COMPANY:			PAHs by 8270C SIM
SIGNATURE:			SIGNATURE:			Chromium = total & Hex by 6020
PRINTED NAME:			PRINTED NAME:			2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141
COMPANY:			COMPANY:			Geom

2 coolers 5.4°C, 5.7°C

CHAIN-OF-CUSTODY RECORD

720-30799 OAK 13206

PROJECT NAME: Crown Chevrolet

PROJECT NUMBER:

RESULTS TO:

TURNAROUND TIME: See Page 1/3

SAMPLE SHIPMENT METHOD:

LABORATORY NAME:

LABORATORY ADDRESS:

LABORATORY CONTACT:

LABORATORY PHONE NUMBER:

CLIENT INFORMATION:

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED YES NO

SITE SPECIFIC GLOBAL ID NO.

DATE: 9/27/2010 PAGE 3 OF 3

SAMPLERS (SIGNATURE):

DATE	TIME	SAMPLE NUMBER	ANALYSES: TPHd/mo	ANALYSES: PAH	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9/27/10	1755	SB-40 (Continued)	X	X	32oz Amber	W	N	None	Y	N	2	LAB FILTER

TOTAL NUMBER OF CONTAINERS: 4

SAMPLING COMMENTS: See page 1/3. 57 total containers

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: / PRINTED NAME: Greg Stemler / COMPANY: AMEC	9/27/10	1854	SIGNATURE: / PRINTED NAME: / COMPANY:	9/27/10	1854
SIGNATURE: / PRINTED NAME: / COMPANY: TAPF	9/27/10	1920	SIGNATURE: / PRINTED NAME: / COMPANY:	9/27/10	1923
SIGNATURE: / PRINTED NAME: / COMPANY:			SIGNATURE: / PRINTED NAME: / COMPANY:		

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Login Number: 30799
Creator: Hoang, Julie
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

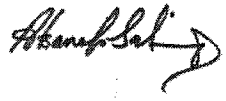
ANALYTICAL REPORT

Job Number: 720-30837-1

Job Description: Crown Chevrolet

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

Attention: Avery Patton



Approved for release.
Afsaneh Salimpour
Project Manager I
11/12/2010 10:50 AM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/12/2010
Revision: 4

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

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

GC/MS VOA

The spectra for sample SB-03-3.2 does not resemble the pattern for our fresh gasoline standard. Reviewing the spectra reveals that the sample does not have the appearance of the majority of the characteristic aromatic compounds found in fresh or weathered gasoline product .

No analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch #79044 was outside control limits. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8270C SIM: The following sample(s) was diluted due to the abundance of non-target analytes: SB-05-0.7 (720-30837-15). Elevated reporting limits (RLs) are provided.

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #79141 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Samples for dissolved TPH(Diesel and Motor oil) were filtered at the lab using 0.7 micron glass fiber filter.

All samples for TPH(Diesel and Motor oil) were analysed with Silica Gel clean up using Method 3630C.

No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30837-5	**SB-10**				
Dissolved					
Diesel Range Organics [C10-C28]		~~18~~ < 53 J B	53	ug/L	8015B
720-30837-6	**SB-06-3.0**				
Naphthalene		9.4 J	4.9	ug/Kg	8270C SIM
720-30837-8	**SB-06**				
Cr (VI)		0.94	0.50	ug/L	7199
Dissolved					
Diesel Range Organics [C10-C28]		~~22~~ < 53 J B	53	ug/L	8015B
720-30837-11	**SB-12**				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		11 J J	51	ug/L	8015B
Dissolved					
Diesel Range Organics [C10-C28]		~~18~~ < 52 J B	52	ug/L	8015B
720-30837-13	**SB-09-4.9**				
Naphthalene		5.0 J	5.0	ug/Kg	8270C SIM
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1.4	0.99	mg/Kg	8015B
720-30837-14	**SB-05**				
Cr (VI)		1.1	0.50	ug/L	7199
Dissolved					
Diesel Range Organics [C10-C28]		~~18~~ < 52 J B	52	ug/L	8015B
720-30837-15	**SB-05-0.7**				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		20	1.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		58	50	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30837-17	**SB-09-11.8**				
Naphthalene		5.1 J	5.0	ug/Kg	8270C SIM
720-30837-20	**SB-03-2.8**				
Chlorobenzene		2600	440	ug/Kg	8260B/CA_LUFTMS
720-30837-21	**SB-03-3.2**				
Chlorobenzene		90000	5200	ug/Kg	8260B/CA_LUFTMS
1,4-Dichlorobenzene		5400	5200	ug/Kg	8260B/CA_LUFTMS
Gasoline Range Organics (GRO)-C5-C12		1200000	260000	ug/Kg	8260B/CA_LUFTMS
720-30837-22	**SB-03-11.5**				
Chlorobenzene		6500	440	ug/Kg	8260B/CA_LUFTMS
1,2-Dichlorobenzene		15000	440	ug/Kg	8260B/CA_LUFTMS
720-30837-23	**SB-03-6.5**				
Chlorobenzene		26000	400	ug/Kg	8260B/CA_LUFTMS
1,2-Dichlorobenzene		30000	400	ug/Kg	8260B/CA_LUFTMS
1,4-Dichlorobenzene		1700	400	ug/Kg	8260B/CA_LUFTMS

METHOD SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Ultrasonic Extraction	TAL SF		SW846 3550B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Matrix: Water			
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Sample Filtration	TAL SF		FILTRATION
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC
Chromium, Hexavalent (IC)	TAL SF	SW846 7199	
General Sub Contract Method	TAL IRV	Subcontract	

Lab References:

TAL IRV = TestAmerica Irvine

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Nguyen, Thuy M	TMN
SW846 8270C SIM	Lee, Michael	ML
SW846 8015B	Hayashi, Derek	DH
SW846 7199	Kojiro, Mariko J	MJK

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30837-1	SB-10-11.5	Solid	09/28/2010 0730	09/28/2010 1800
720-30837-5	SB-10	Water	09/28/2010 0848	09/28/2010 1800
720-30837-6	SB-06-3.0	Solid	09/28/2010 1005	09/28/2010 1800
720-30837-7	SB-06-11.0	Solid	09/28/2010 1025	09/28/2010 1800
720-30837-8	SB-06	Water	09/28/2010 1105	09/28/2010 1800
720-30837-9	SB-12-12	Solid	09/28/2010 1155	09/28/2010 1800
720-30837-10	SB-05-11.5	Solid	09/28/2010 1205	09/28/2010 1800
720-30837-11	SB-12	Water	09/28/2010 1340	09/28/2010 1800
720-30837-13	SB-09-4.9	Solid	09/28/2010 1405	09/28/2010 1800
720-30837-14	SB-05	Water	09/28/2010 1420	09/28/2010 1800
720-30837-15	SB-05-0.7	Solid	09/28/2010 1130	09/28/2010 1800
720-30837-17	SB-09-11.8	Solid	09/28/2010 1528	09/28/2010 1800
720-30837-20	SB-03-2.8	Solid	09/28/2010 1558	09/28/2010 1800
720-30837-21	SB-03-3.2	Solid	09/28/2010 1610	09/28/2010 1800
720-30837-22	SB-03-11.5	Solid	09/28/2010 1640	09/28/2010 1800
720-30837-23	SB-03-6.5	Solid	09/28/2010 1655	09/28/2010 1800

Analytical Data

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-2.8

Lab Sample ID: 720-30837-20 Date Sampled: 09/28/2010 1558
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79265 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79297 Lab File ID: 100410023.D
Dilution: 100 Initial Weight/Volume: 5.633 g
Date Analyzed: 10/04/2010 2113 Final Weight/Volume: 10 mL
Date Prepared: 10/04/2010 1700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		440
Acetone		ND		4400
Benzene		ND		440
Dichlorobromomethane		ND		440
Bromobenzene		ND		440
Chlorobromomethane		ND		1800
Bromoform		ND		440
Bromomethane		ND		890
2-Butanone (MEK)		ND		4400
n-Butylbenzene		ND		440
sec-Butylbenzene		ND		440
tert-Butylbenzene		ND		440
Carbon disulfide		ND		440
Carbon tetrachloride		ND		440
Chlorobenzene		2600		440
Chloroethane		ND		890
Chloroform		ND		440
Chloromethane		ND		890
2-Chlorotoluene		ND		440
4-Chlorotoluene		ND		440
Chlorodibromomethane		ND		440
1,2-Dichlorobenzene		ND		440
1,3-Dichlorobenzene		ND		440
1,4-Dichlorobenzene		ND		440
1,3-Dichloropropane		ND		440
1,1-Dichloropropene		ND		440
1,2-Dibromo-3-Chloropropane		ND		4400
Ethylene Dibromide		ND		440
Dibromomethane		ND		890
Dichlorodifluoromethane		ND		890
1,1-Dichloroethane		ND		440
1,2-Dichloroethane		ND		440
1,1-Dichloroethene		ND		440
cis-1,2-Dichloroethene		ND		440
trans-1,2-Dichloroethene		ND		440
1,2-Dichloropropane		ND		440
cis-1,3-Dichloropropene		ND		440
trans-1,3-Dichloropropene		ND		440
Ethylbenzene		ND		440
Hexachlorobutadiene		ND		440
2-Hexanone		ND		4400
Isopropylbenzene		ND		440
4-Isopropyltoluene		ND		440
Methylene Chloride		ND		890
4-Methyl-2-pentanone (MIBK)		ND		4400
Naphthalene		ND		890

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-2.8

Lab Sample ID: 720-30837-20 Date Sampled: 09/28/2010 1558
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79265 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79297 Lab File ID: 100410023.D
Dilution: 100 Initial Weight/Volume: 5.633 g
Date Analyzed: 10/04/2010 2113 Final Weight/Volume: 10 mL
Date Prepared: 10/04/2010 1700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		440
Styrene		ND		440
1,1,1,2-Tetrachloroethane		ND		440
1,1,2,2-Tetrachloroethane		ND		440
Tetrachloroethene		ND		440
Toluene		ND		440
1,2,3-Trichlorobenzene		ND		440
1,2,4-Trichlorobenzene		ND		440
1,1,1-Trichloroethane		ND		440
1,1,2-Trichloroethane		ND		440
Trichloroethene		ND		440
Trichlorofluoromethane		ND		440
1,2,3-Trichloropropane		ND		440
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		440
1,2,4-Trimethylbenzene		ND		440
1,3,5-Trimethylbenzene		ND		440
Vinyl acetate		ND		4400
Vinyl chloride		ND		440
Xylenes, Total		ND		890
2,2-Dichloropropane		ND		440
Gasoline Range Organics (GRO)-C5-C12		ND		22000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	102		66 - 148
1,2-Dichloroethane-d4 (Surr)	102		62 - 137
Toluene-d8 (Surr)	99		65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-3.2

Lab Sample ID: 720-30837-21 Date Sampled: 09/28/2010 1610
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79105 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79069 Lab File ID: 100110012.D
Dilution: 1000 Initial Weight/Volume: 4.806 g
Date Analyzed: 10/01/2010 1420 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 1542

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		5200
Acetone		ND		52000
Benzene		ND		5200
Dichlorobromomethane		ND		5200
Bromobenzene		ND		5200
Chlorobromomethane		ND		21000
Bromoform		ND		5200
Bromomethane		ND		10000
2-Butanone (MEK)		ND		52000
n-Butylbenzene		ND		5200
sec-Butylbenzene		ND		5200
tert-Butylbenzene		ND		5200
Carbon disulfide		ND		5200
Carbon tetrachloride		ND		5200
Chlorobenzene		90000		5200
Chloroethane		ND		10000
Chloroform		ND		5200
Chloromethane		ND		10000
2-Chlorotoluene		ND		5200
4-Chlorotoluene		ND		5200
Chlorodibromomethane		ND		5200
1,2-Dichlorobenzene		ND		5200
1,3-Dichlorobenzene		ND		5200
1,4-Dichlorobenzene		5400		5200
1,3-Dichloropropane		ND		5200
1,1-Dichloropropene		ND		5200
1,2-Dibromo-3-Chloropropane		ND		52000
Ethylene Dibromide		ND		5200
Dibromomethane		ND		10000
Dichlorodifluoromethane		ND		10000
1,1-Dichloroethane		ND		5200
1,2-Dichloroethane		ND		5200
1,1-Dichloroethene		ND		5200
cis-1,2-Dichloroethene		ND		5200
trans-1,2-Dichloroethene		ND		5200
1,2-Dichloropropane		ND		5200
cis-1,3-Dichloropropene		ND		5200
trans-1,3-Dichloropropene		ND		5200
Ethylbenzene		ND		5200
Hexachlorobutadiene		ND		5200
2-Hexanone		ND		52000
Isopropylbenzene		ND		5200
4-Isopropyltoluene		ND		5200
Methylene Chloride		ND		10000
4-Methyl-2-pentanone (MIBK)		ND		52000
Naphthalene		ND		10000

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-3.2

Lab Sample ID: 720-30837-21 Date Sampled: 09/28/2010 1610
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79105 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79069 Lab File ID: 100110012.D
Dilution: 1000 Initial Weight/Volume: 4.806 g
Date Analyzed: 10/01/2010 1420 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 1542

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		5200
Styrene		ND		5200
1,1,1,2-Tetrachloroethane		ND		5200
1,1,2,2-Tetrachloroethane		ND		5200
Tetrachloroethene		ND		5200
Toluene		ND		5200
1,2,3-Trichlorobenzene		ND		5200
1,2,4-Trichlorobenzene		ND		5200
1,1,1-Trichloroethane		ND		5200
1,1,2-Trichloroethane		ND		5200
Trichloroethene		ND		5200
Trichlorofluoromethane		ND		5200
1,2,3-Trichloropropane		ND		5200
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		5200
1,2,4-Trimethylbenzene		ND		5200
1,3,5-Trimethylbenzene		ND		5200
Vinyl acetate		ND		52000
Vinyl chloride		ND		5200
Xylenes, Total		ND		10000
2,2-Dichloropropane		ND		5200
Gasoline Range Organics (GRO)-C5-C12		1200000		260000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		66 - 148
1,2-Dichloroethane-d4 (Surr)	92		62 - 137
Toluene-d8 (Surr)	95		65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-11.5

Lab Sample ID: 720-30837-22 Date Sampled: 09/28/2010 1640
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79105 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79069 Lab File ID: 100110011.D
Dilution: 100 Initial Weight/Volume: 5.704 g
Date Analyzed: 10/01/2010 1348 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 1542

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		440
Acetone		ND		4400
Benzene		ND		440
Dichlorobromomethane		ND		440
Bromobenzene		ND		440
Chlorobromomethane		ND		1800
Bromoform		ND		440
Bromomethane		ND		880
2-Butanone (MEK)		ND		4400
n-Butylbenzene		ND		440
sec-Butylbenzene		ND		440
tert-Butylbenzene		ND		440
Carbon disulfide		ND		440
Carbon tetrachloride		ND		440
Chlorobenzene		6500		440
Chloroethane		ND		880
Chloroform		ND		440
Chloromethane		ND		880
2-Chlorotoluene		ND		440
4-Chlorotoluene		ND		440
Chlorodibromomethane		ND		440
1,2-Dichlorobenzene		15000		440
1,3-Dichlorobenzene		ND		440
1,4-Dichlorobenzene		ND		440
1,3-Dichloropropane		ND		440
1,1-Dichloropropene		ND		440
1,2-Dibromo-3-Chloropropane		ND		4400
Ethylene Dibromide		ND		440
Dibromomethane		ND		880
Dichlorodifluoromethane		ND		880
1,1-Dichloroethane		ND		440
1,2-Dichloroethane		ND		440
1,1-Dichloroethene		ND		440
cis-1,2-Dichloroethene		ND		440
trans-1,2-Dichloroethene		ND		440
1,2-Dichloropropane		ND		440
cis-1,3-Dichloropropene		ND		440
trans-1,3-Dichloropropene		ND		440
Ethylbenzene		ND		440
Hexachlorobutadiene		ND		440
2-Hexanone		ND		4400
Isopropylbenzene		ND		440
4-Isopropyltoluene		ND		440
Methylene Chloride		ND		880
4-Methyl-2-pentanone (MIBK)		ND		4400
Naphthalene		ND		880

Analytical Data

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-11.5

Lab Sample ID: 720-30837-22 Date Sampled: 09/28/2010 1640
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79105 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79069 Lab File ID: 100110011.D
Dilution: 100 Initial Weight/Volume: 5.704 g
Date Analyzed: 10/01/2010 1348 Final Weight/Volume: 10 mL
Date Prepared: 09/29/2010 1542

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		440
Styrene		ND		440
1,1,1,2-Tetrachloroethane		ND		440
1,1,2,2-Tetrachloroethane		ND		440
Tetrachloroethene		ND		440
Toluene		ND		440
1,2,3-Trichlorobenzene		ND		440
1,2,4-Trichlorobenzene		ND		440
1,1,1-Trichloroethane		ND		440
1,1,2-Trichloroethane		ND		440
Trichloroethene		ND		440
Trichlorofluoromethane		ND		440
1,2,3-Trichloropropane		ND		440
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		440
1,2,4-Trimethylbenzene		ND		440
1,3,5-Trimethylbenzene		ND		440
Vinyl acetate		ND		4400
Vinyl chloride		ND		440
Xylenes, Total		ND		880
2,2-Dichloropropane		ND		440
Gasoline Range Organics (GRO)-C5-C12		ND		22000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		66 - 148
1,2-Dichloroethane-d4 (Surr)	91		62 - 137
Toluene-d8 (Surr)	96		65 - 141

Analytical Data

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-6.5

Lab Sample ID: 720-30837-23 Date Sampled: 09/28/2010 1655
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79265 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79297 Lab File ID: 100410024.D
Dilution: 100 Initial Weight/Volume: 6.234 g
Date Analyzed: 10/04/2010 2145 Final Weight/Volume: 10 mL
Date Prepared: 10/04/2010 1700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		400
Acetone		ND		4000
Benzene		ND		400
Dichlorobromomethane		ND		400
Bromobenzene		ND		400
Chlorobromomethane		ND		1600
Bromoform		ND		400
Bromomethane		ND		800
2-Butanone (MEK)		ND		4000
n-Butylbenzene		ND		400
sec-Butylbenzene		ND		400
tert-Butylbenzene		ND		400
Carbon disulfide		ND		400
Carbon tetrachloride		ND		400
Chlorobenzene		26000		400
Chloroethane		ND		800
Chloroform		ND		400
Chloromethane		ND		800
2-Chlorotoluene		ND		400
4-Chlorotoluene		ND		400
Chlorodibromomethane		ND		400
1,2-Dichlorobenzene		30000		400
1,3-Dichlorobenzene		ND		400
1,4-Dichlorobenzene		1700		400
1,3-Dichloropropane		ND		400
1,1-Dichloropropene		ND		400
1,2-Dibromo-3-Chloropropane		ND		4000
Ethylene Dibromide		ND		400
Dibromomethane		ND		800
Dichlorodifluoromethane		ND		800
1,1-Dichloroethane		ND		400
1,2-Dichloroethane		ND		400
1,1-Dichloroethene		ND		400
cis-1,2-Dichloroethene		ND		400
trans-1,2-Dichloroethene		ND		400
1,2-Dichloropropane		ND		400
cis-1,3-Dichloropropene		ND		400
trans-1,3-Dichloropropene		ND		400
Ethylbenzene		ND		400
Hexachlorobutadiene		ND		400
2-Hexanone		ND		4000
Isopropylbenzene		ND		400
4-Isopropyltoluene		ND		400
Methylene Chloride		ND		800
4-Methyl-2-pentanone (MIBK)		ND		4000
Naphthalene		ND		800

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-03-6.5

Lab Sample ID: 720-30837-23 Date Sampled: 09/28/2010 1655
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79265 Instrument ID: HP5
Preparation: 5035 Prep Batch: 720-79297 Lab File ID: 100410024.D
Dilution: 100 Initial Weight/Volume: 6.234 g
Date Analyzed: 10/04/2010 2145 Final Weight/Volume: 10 mL
Date Prepared: 10/04/2010 1700

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		400
Styrene		ND		400
1,1,1,2-Tetrachloroethane		ND		400
1,1,2,2-Tetrachloroethane		ND		400
Tetrachloroethene		ND		400
Toluene		ND		400
1,2,3-Trichlorobenzene		ND		400
1,2,4-Trichlorobenzene		ND		400
1,1,1-Trichloroethane		ND		400
1,1,2-Trichloroethane		ND		400
Trichloroethene		ND		400
Trichlorofluoromethane		ND		400
1,2,3-Trichloropropane		ND		400
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		400
1,2,4-Trimethylbenzene		ND		400
1,3,5-Trimethylbenzene		ND		400
Vinyl acetate		ND		4000
Vinyl chloride		ND		400
Xylenes, Total		ND		800
2,2-Dichloropropane		ND		400
Gasoline Range Organics (GRO)-C5-C12		ND		20000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		66 - 148
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
Toluene-d8 (Surr)	98		65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-10-11.5

Lab Sample ID: 720-30837-1 Date Sampled: 09/28/2010 0730
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C SIM Analysis Batch: 720-79121 Instrument ID: HP # 3
Preparation: 3550B Prep Batch: 720-79044 Lab File ID: 100110019.D
Dilution: 1.0 Initial Weight/Volume: 30.21 g
Date Analyzed: 10/01/2010 1748 Final Weight/Volume: 1 mL
Date Prepared: 09/30/2010 1137 Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND UJ		5.0
Acenaphthene		ND UJ		5.0
Acenaphthylene		ND UJ		5.0
Fluorene		ND UJ		5.0
Phenanthrene		ND UJ		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	82		33 - 120
Terphenyl-d14	105		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-10

Lab Sample ID: 720-30837-5 Date Sampled: 09/28/2010 0848
Client Matrix: Water Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79226	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79141	Lab File ID: 10041012.D
Dilution:	1.0		Initial Weight/Volume: 980 mL
Date Analyzed:	10/04/2010 1606		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND	UJ	0.10
Indeno[1,2,3-cd]pyrene	ND	UJ	0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND	UJ	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	48		29 - 120
Terphenyl-d14	97		45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06-3.0

Lab Sample ID: 720-30837-6 Date Sampled: 09/28/2010 1005
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID: HP # 3
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID: 100110020.D
Dilution:	1.0		Initial Weight/Volume: 30.32 g
Date Analyzed:	10/01/2010 1811		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		9.4	J	4.9
Acenaphthene		ND	UJ	4.9
Acenaphthylene		ND	UJ	4.9
Fluorene		ND	UJ	4.9
Phenanthrene		ND	UJ	4.9
Anthracene		ND		4.9
Benzo[a]anthracene		ND		4.9
Chrysene		ND		4.9
Benzo[a]pyrene		ND		4.9
Benzo[b]fluoranthene		ND		4.9
Benzo[k]fluoranthene		ND		4.9
Benzo[g,h,i]perylene		ND		4.9
Indeno[1,2,3-cd]pyrene		ND		4.9
Fluoranthene		ND		4.9
Pyrene		ND		4.9
Dibenz(a,h)anthracene		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		33 - 120
Terphenyl-d14	106		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06-11.0

Lab Sample ID: 720-30837-7 Date Sampled: 09/28/2010 1025
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID:	HP # 3	
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID:	100110021.D	
Dilution:	1.0		Initial Weight/Volume:	30.13	g
Date Analyzed:	10/01/2010 1834		Final Weight/Volume:	1	mL
Date Prepared:	09/30/2010 1137		Injection Volume:	1	uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND UJ		5.0
Acenaphthene		ND UJ		5.0
Acenaphthylene		ND UJ		5.0
Fluorene		ND UJ		5.0
Phenanthrene		ND UJ		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	58		33 - 120
Terphenyl-d14	96		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID: 720-30837-8 Date Sampled: 09/28/2010 1105
Client Matrix: Water Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79226	Instrument ID:	SVOA HP 4	
Preparation:	3510C	Prep Batch: 720-79141	Lab File ID:	10041013.D	
Dilution:	1.0		Initial Weight/Volume:	970	mL
Date Analyzed:	10/04/2010 1630		Final Weight/Volume:	1	mL
Date Prepared:	10/01/2010 1436		Injection Volume:	1	uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.10
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND UJ		0.10
Indeno[1,2,3-cd]pyrene	ND UJ		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND UJ		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	60		29 - 120
Terphenyl-d14	85		45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-12-12

Lab Sample ID: 720-30837-9 Date Sampled: 09/28/2010 1155
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID:	HP # 3	
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID:	100110022.D	
Dilution:	1.0		Initial Weight/Volume:	30.38	g
Date Analyzed:	10/01/2010 1857		Final Weight/Volume:	1	mL
Date Prepared:	09/30/2010 1137		Injection Volume:	1	uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND UJ		4.9
Acenaphthene		ND UJ		4.9
Acenaphthylene		ND UJ		4.9
Fluorene		ND UJ		4.9
Phenanthrene		ND UJ		4.9
Anthracene		ND		4.9
Benzo[a]anthracene		ND		4.9
Chrysene		ND		4.9
Benzo[a]pyrene		ND		4.9
Benzo[b]fluoranthene		ND		4.9
Benzo[k]fluoranthene		ND		4.9
Benzo[g,h,i]perylene		ND		4.9
Indeno[1,2,3-cd]pyrene		ND		4.9
Fluoranthene		ND		4.9
Pyrene		ND		4.9
Dibenz(a,h)anthracene		ND		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	93		33 - 120
Terphenyl-d14	102		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-05-11.5

Lab Sample ID: 720-30837-10 Date Sampled: 09/28/2010 1205
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID:	HP # 3	
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID:	100110023.D	
Dilution:	1.0		Initial Weight/Volume:	30.28	g
Date Analyzed:	10/01/2010 1920		Final Weight/Volume:	1	mL
Date Prepared:	09/30/2010 1137		Injection Volume:	1	uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND UJ		5.0
Acenaphthene		ND UJ		5.0
Acenaphthylene		ND UJ		5.0
Fluorene		ND UJ		5.0
Phenanthrene		ND UJ		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	89		33 - 120
Terphenyl-d14	101		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-12

Lab Sample ID: 720-30837-11 Date Sampled: 09/28/2010 1340
Client Matrix: Water Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79226	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79141	Lab File ID: 10041014.D
Dilution:	1.0		Initial Weight/Volume: 990 mL
Date Analyzed:	10/04/2010 1653		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.10
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND	UJ	0.10
Indeno[1,2,3-cd]pyrene	ND	UJ	0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND	UJ	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	61		29 - 120
Terphenyl-d14	96		45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-09-4.9

Lab Sample ID: 720-30837-13 Date Sampled: 09/28/2010 1405
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID: HP # 3
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID: 100110024.D
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	10/01/2010 1943		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		5.0	J	5.0
Acenaphthene		ND	UJ	5.0
Acenaphthylene		ND	UJ	5.0
Fluorene		ND	UJ	5.0
Phenanthrene		ND	UJ	5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	81		33 - 120
Terphenyl-d14	102		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-05

Lab Sample ID: 720-30837-14 Date Sampled: 09/28/2010 1420
Client Matrix: Water Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79226	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79141	Lab File ID: 10041015.D
Dilution:	1.0		Initial Weight/Volume: 990 mL
Date Analyzed:	10/04/2010 1717		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		0.10
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND	UJ	0.10
Indeno[1,2,3-cd]pyrene	ND	UJ	0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND	UJ	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	51		29 - 120
Terphenyl-d14	96		45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-05-0.7

Lab Sample ID: 720-30837-15 Date Sampled: 09/28/2010 1130
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID: HP # 3
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID: 100110030.D
Dilution:	2.0		Initial Weight/Volume: 30.11 g
Date Analyzed:	10/01/2010 2200		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND	UJ	10
Acenaphthene		ND	UJ	10
Acenaphthylene		ND	UJ	10
Fluorene		ND	UJ	10
Phenanthrene		ND	UJ	10
Anthracene		ND		10
Benzo[a]anthracene		ND		10
Chrysene		ND		10
Benzo[a]pyrene		ND		10
Benzo[b]fluoranthene		ND		10
Benzo[k]fluoranthene		ND		10
Benzo[g,h,i]perylene		ND		10
Indeno[1,2,3-cd]pyrene		ND		10
Fluoranthene		ND		10
Pyrene		ND		10
Dibenz(a,h)anthracene		ND		10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	75		33 - 120
Terphenyl-d14	94		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: **SB-09-11.8**

Lab Sample ID: 720-30837-17 Date Sampled: 09/28/2010 1528
Client Matrix: Solid Date Received: 09/28/2010 1800

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID: HP # 3
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID: 100110029.D
Dilution:	1.0		Initial Weight/Volume: 30.06 g
Date Analyzed:	10/01/2010 2137		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		5.1 J		5.0
Acenaphthene		ND UJ		5.0
Acenaphthylene		ND UJ		5.0
Fluorene		ND UJ		5.0
Phenanthrene		ND UJ		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	93		33 - 120
Terphenyl-d14	105		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: **SB-10-11.5**

Lab Sample ID: 720-30837-1 Date Sampled: 09/28/2010 0730
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79041	Initial Weight/Volume: 30.07 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/01/2010 1653		Injection Volume: 1 uL
Date Prepared:	09/30/2010 1126		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	97		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-10

Lab Sample ID: 720-30837-5 Date Sampled: 09/28/2010 0848
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79440	Instrument ID: CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79363	Initial Weight/Volume: 980 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/07/2010 1151		Injection Volume: 1 uL
Date Prepared:	10/06/2010 0810		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	97		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-10

Lab Sample ID: 720-30837-5 Date Sampled: 09/28/2010 0848
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79118	Initial Weight/Volume: 930 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/04/2010 1019		Injection Volume: 1 uL
Date Prepared:	10/01/2010 1004		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~18~~ <53	J B	11	53
Motor Oil Range Organics [C24-C36]	ND		140	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.5		0 - 5
p-Terphenyl	95		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06-3.0

Lab Sample ID: 720-30837-6 Date Sampled: 09/28/2010 1005
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.26 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1715			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	100		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06-11.0

Lab Sample ID: 720-30837-7 Date Sampled: 09/28/2010 1025
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1821			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	92		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID: 720-30837-8 Date Sampled: 09/28/2010 1105
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79440	Instrument ID: CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79386	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/07/2010 1030		Injection Volume: 1 uL
Date Prepared:	10/06/2010 1311		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	93		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID: 720-30837-8 Date Sampled: 09/28/2010 1105
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79118	Initial Weight/Volume: 930 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/04/2010 1216		Injection Volume: 1 uL
Date Prepared:	10/01/2010 1258		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~26~~ <53	J B	11	53
Motor Oil Range Organics [C24-C36]	ND		140	320

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	94		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: **SB-12-12**

Lab Sample ID: 720-30837-9 Date Sampled: 09/28/2010 1155
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.46 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1842			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.98
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	99		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: **SB-05-11.5**

Lab Sample ID: 720-30837-10 Date Sampled: 09/28/2010 1205
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1904			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	104		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-12

Lab Sample ID: 720-30837-11 Date Sampled: 09/28/2010 1340
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method: 8015B Analysis Batch: 720-79440 Instrument ID: CHDRO6
Preparation: 3510C SGC Prep Batch: 720-79386 Initial Weight/Volume: 970 mL
Dilution: 1.0 Final Weight/Volume: 2 mL
Date Analyzed: 10/07/2010 1052 Injection Volume: 1 uL
Date Prepared: 10/06/2010 1311 Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	11 J	J	10	51
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	105		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Client Sample ID: SB-12

Lab Sample ID: 720-30837-11 Date Sampled: 09/28/2010 1340
Client Matrix: Water Date Received: 09/28/2010 1800

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

Method: 8015B Analysis Batch: 720-79205 Instrument ID: CHDRO5
Preparation: 3510C SGC Prep Batch: 720-79118 Initial Weight/Volume: 960 mL
Dilution: 1.0 Final Weight/Volume: 2 mL
Date Analyzed: 10/04/2010 1042 Injection Volume: 1 uL
Date Prepared: 10/01/2010 1004 Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~16~~ < 52	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	96		31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: **SB-09-4.9**

Lab Sample ID: 720-30837-13
Client Matrix: Solid

Date Sampled: 09/28/2010 1405
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79102		Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79041		Initial Weight/Volume:	30.23 g
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/01/2010 1926			Injection Volume:	1 uL
Date Prepared:	09/30/2010 1126			Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.4		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	111		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: **SB-05**

Lab Sample ID: 720-30837-14
Client Matrix: Water

Date Sampled: 09/28/2010 1420
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79440		Instrument ID:	CHDRO6
Preparation:	3510C SGC	Prep Batch: 720-79386		Initial Weight/Volume:	980 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Date Analyzed:	10/07/2010 1113			Injection Volume:	1 uL
Date Prepared:	10/06/2010 1311			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	102		31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05

Lab Sample ID: 720-30837-14
Client Matrix: Water

Date Sampled: 09/28/2010 1420
Date Received: 09/28/2010 1800

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 10/04/2010 1106
Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205
Prep Batch: 720-79118

Instrument ID: CHDRO5
Initial Weight/Volume: 960 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	16 52	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.1		0 - 5
p-Terphenyl	91		31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05-0.7

Lab Sample ID: 720-30837-15
Client Matrix: Solid

Date Sampled: 09/28/2010 1130
Date Received: 09/28/2010 1800

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

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 10/01/2010 1503
Date Prepared: 09/30/2010 1126

Analysis Batch: 720-79102
Prep Batch: 720-79041

Instrument ID: CHDRO6
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		20		1.0
Motor Oil Range Organics [C24-C36]		58		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	85		46 - 115

Client Sample ID: SB-09-11.8

Lab Sample ID: 720-30837-17 Date Sampled: 09/28/2010 1528
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79277	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume: 30.02 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 1851		Injection Volume: 1 uL
Date Prepared:	10/04/2010 1427		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	96		46 - 115

General Chemistry

Client Sample ID: SB-06

Lab Sample ID: 720-30837-8 Date Sampled: 09/28/2010 1105
Client Matrix: Water Date Received: 09/28/2010 1800

Analyte	Result	Qual	Units	RL	Dil	Method
Cr (VI)	0.94		ug/L	0.50	1.0	7199

Analysis Batch: 720-79232 Date Analyzed: 09/28/2010 2130

General Chemistry

Client Sample ID: **SB-05**

Lab Sample ID: 720-30837-14 Date Sampled: 09/28/2010 1420
Client Matrix: Water Date Received: 09/28/2010 1800

Analyte	Result	Qual	Units	RL	Dil	Method
Cr (VI)	1.1		ug/L	0.50	1.0	7199

Analysis Batch: 720-79232 Date Analyzed: 09/28/2010 2140

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-78924					
LCS 720-79069/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79069
LCSD 720-79069/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79069
Prep Batch: 720-79069					
LCS 720-79069/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79069/5-A	Lab Control Sample Duplicate	T	Solid	5035	
720-30837-21	SB-03-3.2	T	Solid	5035	
720-30837-22	SB-03-11.5	T	Solid	5035	
Analysis Batch:720-79105					
720-30837-21	SB-03-3.2	T	Solid	8260B/CA_LUFT	720-79069
720-30837-22	SB-03-11.5	T	Solid	8260B/CA_LUFT	720-79069
Analysis Batch:720-79265					
LCS 720-79297/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79297
LCS 720-79297/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79297
LCSD 720-79297/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79297
LCSD 720-79297/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79297
MB 720-79297/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-79297
720-30837-20	SB-03-2.8	T	Solid	8260B/CA_LUFT	720-79297
720-30837-23	SB-03-6.5	T	Solid	8260B/CA_LUFT	720-79297
Prep Batch: 720-79297					
LCS 720-79297/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-79297/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79297/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-79297/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-79297/1-A	Method Blank	T	Solid	5035	
720-30837-20	SB-03-2.8	T	Solid	5035	
720-30837-23	SB-03-6.5	T	Solid	5035	

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-79044					
LCS 720-79044/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-79044/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-79044/1-A	Method Blank	T	Solid	3550B	
720-30837-1	SB-10-11.5	T	Solid	3550B	
720-30837-6	SB-06-3.0	T	Solid	3550B	
720-30837-7	SB-06-11.0	T	Solid	3550B	
720-30837-9	SB-12-12	T	Solid	3550B	
720-30837-10	SB-05-11.5	T	Solid	3550B	
720-30837-13	SB-09-4.9	T	Solid	3550B	
720-30837-15	SB-05-0.7	T	Solid	3550B	
720-30837-17	SB-09-11.8	T	Solid	3550B	
720-30865-A-3-B MS	Matrix Spike	T	Solid	3550B	
720-30865-A-3-C MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-79121					
LCS 720-79044/2-A	Lab Control Sample	T	Solid	8270C SIM	720-79044
LCSD 720-79044/3-A	Lab Control Sample Duplicate	T	Solid	8270C SIM	720-79044
MB 720-79044/1-A	Method Blank	T	Solid	8270C SIM	720-79044
720-30837-1	SB-10-11.5	T	Solid	8270C SIM	720-79044
720-30837-6	SB-06-3.0	T	Solid	8270C SIM	720-79044
720-30837-7	SB-06-11.0	T	Solid	8270C SIM	720-79044
720-30837-9	SB-12-12	T	Solid	8270C SIM	720-79044
720-30837-10	SB-05-11.5	T	Solid	8270C SIM	720-79044
720-30837-13	SB-09-4.9	T	Solid	8270C SIM	720-79044
720-30837-15	SB-05-0.7	T	Solid	8270C SIM	720-79044
720-30837-17	SB-09-11.8	T	Solid	8270C SIM	720-79044
720-30865-A-3-B MS	Matrix Spike	T	Solid	8270C SIM	720-79044
720-30865-A-3-C MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	720-79044
Prep Batch: 720-79141					
LCS 720-79141/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-79141/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-79141/1-A	Method Blank	T	Water	3510C	
720-30837-5	SB-10	T	Water	3510C	
720-30837-8	SB-06	T	Water	3510C	
720-30837-11	SB-12	T	Water	3510C	
720-30837-14	SB-05	T	Water	3510C	
720-30865-B-4-A MS	Matrix Spike	T	Water	3510C	
720-30865-B-4-B MSD	Matrix Spike Duplicate	T	Water	3510C	

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:720-79226					
LCS 720-79141/2-A	Lab Control Sample	T	Water	8270C SIM	720-79141
LCSD 720-79141/3-A	Lab Control Sample Duplicate	T	Water	8270C SIM	720-79141
MB 720-79141/1-A	Method Blank	T	Water	8270C SIM	720-79141
720-30837-5	SB-10	T	Water	8270C SIM	720-79141
720-30837-8	SB-06	T	Water	8270C SIM	720-79141
720-30837-11	SB-12	T	Water	8270C SIM	720-79141
720-30837-14	SB-05	T	Water	8270C SIM	720-79141
720-30865-B-4-A MS	Matrix Spike	T	Water	8270C SIM	720-79141
720-30865-B-4-B MSD	Matrix Spike Duplicate	T	Water	8270C SIM	720-79141

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-79041					
LCS 720-79041/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79041/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79041/1-A	Method Blank	A	Solid	3550B	
720-30837-1	SB-10-11.5	A	Solid	3550B	
720-30837-6	SB-06-3.0	A	Solid	3550B	
720-30837-6MS	Matrix Spike	A	Solid	3550B	
720-30837-6MSD	Matrix Spike Duplicate	A	Solid	3550B	
720-30837-7	SB-06-11.0	A	Solid	3550B	
720-30837-9	SB-12-12	A	Solid	3550B	
720-30837-10	SB-05-11.5	A	Solid	3550B	
720-30837-13	SB-09-4.9	A	Solid	3550B	
720-30837-15	SB-05-0.7	A	Solid	3550B	
Analysis Batch:720-79101					
LCS 720-79041/2-A	Lab Control Sample	A	Solid	8015B	720-79041
LCSD 720-79041/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79041
MB 720-79041/1-A	Method Blank	A	Solid	8015B	720-79041
Analysis Batch:720-79102					
720-30837-1	SB-10-11.5	A	Solid	8015B	720-79041
720-30837-6	SB-06-3.0	A	Solid	8015B	720-79041
720-30837-6MS	Matrix Spike	A	Solid	8015B	720-79041
720-30837-6MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79041
720-30837-7	SB-06-11.0	A	Solid	8015B	720-79041
720-30837-9	SB-12-12	A	Solid	8015B	720-79041
720-30837-10	SB-05-11.5	A	Solid	8015B	720-79041
720-30837-13	SB-09-4.9	A	Solid	8015B	720-79041
720-30837-15	SB-05-0.7	A	Solid	8015B	720-79041
Prep Batch: 720-79118					
LCS 720-79115/2-C	Lab Control Sample	D	Water	3510C SGC	
LCSD 720-79115/3-C	Lab Control Sample Duplicate	D	Water	3510C SGC	
MB 720-79115/1-C	Method Blank	D	Water	3510C SGC	
720-30837-5	SB-10	D	Water	3510C SGC	
720-30837-8	SB-06	D	Water	3510C SGC	
720-30837-11	SB-12	D	Water	3510C SGC	
720-30837-14	SB-05	D	Water	3510C SGC	

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79205					
LCS 720-79115/2-C	Lab Control Sample	D	Water	8015B	720-79118
LCSD 720-79115/3-C	Lab Control Sample Duplicate	D	Water	8015B	720-79118
MB 720-79115/1-C	Method Blank	D	Water	8015B	720-79118
720-30837-5	SB-10	D	Water	8015B	720-79118
720-30837-8	SB-06	D	Water	8015B	720-79118
720-30837-11	SB-12	D	Water	8015B	720-79118
720-30837-14	SB-05	D	Water	8015B	720-79118
Analysis Batch:720-79206					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	8015B	720-79235
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79235
MB 720-79235/1-A	Method Blank	A	Solid	8015B	720-79235
Prep Batch: 720-79235					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79235/1-A	Method Blank	A	Solid	3550B	
720-30837-17	SB-09-11.8	A	Solid	3550B	
720-30865-A-3-D MS	Matrix Spike	A	Solid	3550B	
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-79276					
720-30865-A-3-D MS	Matrix Spike	A	Solid	8015B	720-79235
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79235
Analysis Batch:720-79277					
720-30837-17	SB-09-11.8	A	Solid	8015B	720-79235
Prep Batch: 720-79363					
LCS 720-79363/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79363/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79363/1-A	Method Blank	A	Water	3510C SGC	
720-30837-5	SB-10	A	Water	3510C SGC	
Prep Batch: 720-79386					
LCS 720-79386/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79386/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79386/1-A	Method Blank	A	Water	3510C SGC	
720-30837-8	SB-06	A	Water	3510C SGC	
720-30837-11	SB-12	A	Water	3510C SGC	
720-30837-14	SB-05	A	Water	3510C SGC	

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79440					
720-30837-5	SB-10	A	Water	8015B	720-79363
720-30837-8	SB-06	A	Water	8015B	720-79386
720-30837-11	SB-12	A	Water	8015B	720-79386
720-30837-14	SB-05	A	Water	8015B	720-79386
Analysis Batch:720-79456					
LCS 720-79363/2-A	Lab Control Sample	A	Water	8015B	720-79363
LCSD 720-79363/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79363
MB 720-79363/1-A	Method Blank	A	Water	8015B	720-79363
LCS 720-79386/2-A	Lab Control Sample	A	Water	8015B	720-79386
LCSD 720-79386/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79386
MB 720-79386/1-A	Method Blank	A	Water	8015B	720-79386

Report Basis
D = Dissolved
A = Silica Gel Cleanup

General Chemistry

Analysis Batch:720-79232					
LCS 720-79232/3	Lab Control Sample	T	Water	7199	
LCSD 720-79232/4	Lab Control Sample Duplicate	T	Water	7199	
MB 720-79232/2	Method Blank	T	Water	7199	
720-30814-A-3 MS	Matrix Spike	T	Water	7199	
720-30814-A-3 MSD	Matrix Spike Duplicate	T	Water	7199	
720-30837-8	SB-06	T	Water	7199	
720-30837-14	SB-05	T	Water	7199	

Report Basis
T = Total

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8260B/CA_LUFTMS_8260B / CA LUFT MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DCA %Rec	TOL %Rec
720-30837-20	SB-03-2.8	102	102	99
720-30837-21	SB-03-3.2	101	92	95
720-30837-22	SB-03-11.5	97	91	96
720-30837-23	SB-03-6.5	108	106	98
MB 720-79297/1-A		97	105	98
LCS 720-79069/4-A		100	89	96
LCS 720-79297/2-A		102	100	101
LCS 720-79297/4-A		105	107	100
LCSD 720-79069/5-A		101	91	96
LCSD 720-79297/3-A		100	98	99
LCSD 720-79297/5-A		101	91	99

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	66-148
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	65-141

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	TPH %Rec
720-30837-1	SB-10-11.5	82	105
720-30837-6	SB-06-3.0	81	106
720-30837-7	SB-06-11.0	58	96
720-30837-9	SB-12-12	93	102
720-30837-10	SB-05-11.5	89	101
720-30837-13	SB-09-4.9	81	102
720-30837-15	SB-05-0.7	75	94
720-30837-17	SB-09-11.8	93	105
MB 720-79044/1-A		90	106
LCS 720-79044/2-A		94	103
LCSD 720-79044/3-A		91	101
720-30865-A-3-B MS		56	85
720-30865-A-3-C MSD		81	97

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	33-120
TPH = Terphenyl-d14	35-146

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	TPH %Rec
720-30837-5	SB-10	48	97
720-30837-8	SB-06	60	85
720-30837-11	SB-12	61	96
720-30837-14	SB-05	51	96
MB 720-79141/1-A		75	101
LCS 720-79141/2-A		76	98
LCSD 720-79141/3-A		60	96
720-30865-B-4-A MS		63	87
720-30865-B-4-B MSD		63	80

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	29-120
TPH = Terphenyl-d14	45-120

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Solid Silica Gel Cleanup

Lab Sample ID	Client Sample ID	NDA1 %Rec	TPH1 %Rec
720-30837-1	SB-10-11.5	0	97
720-30837-6	SB-06-3.0	0	100
720-30837-7	SB-06-11.0	0	92
720-30837-9	SB-12-12	0	99
720-30837-10	SB-05-11.5	0	104
720-30837-13	SB-09-4.9	0	111
720-30837-15	SB-05-0.7	0	85
720-30837-17	SB-09-11.8	0	96
MB 720-79041/1-A		0	86
MB 720-79235/1-A		0.2	93

Surrogate	Acceptance Limits
NDA = Capric Acid (Surr)	0-5
TPH = p-Terphenyl	46-115

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Solid Silica Gel Cleanup

Lab Sample ID	Client Sample ID	TPH1 %Rec
LCS 720-79041/2-A		103
LCS 720-79235/2-A		103
LCSD 720-79041/3-A		98
LCSD 720-79235/3-A		100
720-30837-6 MS	SB-06-3.0 MS	93
720-30865-A-3-D MS		93
720-30837-6 MSD	SB-06-3.0 MSD	97
720-30865-A-3-E MSD		93

Surrogate	Acceptance Limits
TPH = p-Terphenyl	46-115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Dissolved

Lab Sample ID	Client Sample ID	NDA1 %Rec	TPH1 %Rec
720-30837-5	SB-10	0.5	95
720-30837-8	SB-06	0.2	94
720-30837-11	SB-12	0.3	96
720-30837-14	SB-05	0.1	91
MB 720-79115/1-C		0.1	94

Surrogate	Acceptance Limits
NDA = Capric Acid (Surr)	0-5
TPH = p-Terphenyl	31-150

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Dissolved

Lab Sample ID	Client Sample ID	TPH1 %Rec
LCS 720-79115/2-C		91
LCSD 720-79115/3-C		88

Surrogate	Acceptance Limits
TPH = p-Terphenyl	31-150

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Silica Gel Cleanup

Lab Sample ID	Client Sample ID	NDA1 %Rec	TPH1 %Rec
720-30837-5	SB-10	0	97
720-30837-8	SB-06	0	93
720-30837-11	SB-12	0	105
720-30837-14	SB-05	0	102
MB 720-79363/1-A		0.2	94
MB 720-79386/1-A		0.2	99

Surrogate	Acceptance Limits
NDA = Capric Acid (Surr)	0-5
TPH = p-Terphenyl	31-150

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Silica Gel Cleanup

Lab Sample ID	Client Sample ID	TPH1 %Rec
LCS 720-79363/2-A		102
LCS 720-79386/2-A		99
LCSD 720-79363/3-A		116
LCSD 720-79386/3-A		104

Surrogate	Acceptance Limits
TPH = p-Terphenyl	31-150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79069

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-79069/4-A	Analysis Batch: 720-78924	Instrument ID: HP12
Client Matrix:	Solid	Prep Batch: 720-79069	Lab File ID: 09291015.D
Dilution:	100	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	09/29/2010 1521		Final Weight/Volume: 10 mL
Date Prepared:	09/29/2010 1400		

LCSD Lab Sample ID:	LCSD 720-79069/5-A	Analysis Batch: 720-78924	Instrument ID: HP12
Client Matrix:	Solid	Prep Batch: 720-79069	Lab File ID: 09291016.D
Dilution:	100	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	09/29/2010 1551		Final Weight/Volume: 10 mL
Date Prepared:	09/29/2010 1400		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	80	80	70 - 130	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	101	66 - 148
1,2-Dichloroethane-d4 (Surr)	89	91	62 - 137
Toluene-d8 (Surr)	96	96	65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method Blank - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID:	MB 720-79297/1-A	Analysis Batch: 720-79265	Instrument ID: HP5
Client Matrix:	Solid	Prep Batch: 720-79297	Lab File ID: 100410032.D
Dilution:	100	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	10/05/2010 0206		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 1700		

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		500
Acetone	ND		5000
Benzene	ND		500
Dichlorobromomethane	ND		500
Bromobenzene	ND		500
Chlorobromomethane	ND		2000
Bromoform	ND		500
Bromomethane	ND		1000
2-Butanone (MEK)	ND		5000
n-Butylbenzene	ND		500
sec-Butylbenzene	ND		500
tert-Butylbenzene	ND		500
Carbon disulfide	ND		500
Carbon tetrachloride	ND		500
Chlorobenzene	ND		500
Chloroethane	ND		1000
Chloroform	ND		500
Chloromethane	ND		1000
2-Chlorotoluene	ND		500
4-Chlorotoluene	ND		500
Chlorodibromomethane	ND		500
1,2-Dichlorobenzene	ND		500
1,3-Dichlorobenzene	ND		500
1,4-Dichlorobenzene	ND		500
1,3-Dichloropropane	ND		500
1,1-Dichloropropene	ND		500
1,2-Dibromo-3-Chloropropane	ND		5000
Ethylene Dibromide	ND		500
Dibromomethane	ND		1000
Dichlorodifluoromethane	ND		1000
1,1-Dichloroethane	ND		500
1,2-Dichloroethane	ND		500
1,1-Dichloroethene	ND		500
cis-1,2-Dichloroethene	ND		500
trans-1,2-Dichloroethene	ND		500
1,2-Dichloropropane	ND		500
cis-1,3-Dichloropropene	ND		500
trans-1,3-Dichloropropene	ND		500
Ethylbenzene	ND		500
Hexachlorobutadiene	ND		500
2-Hexanone	ND		5000
Isopropylbenzene	ND		500
4-Isopropyltoluene	ND		500

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method Blank - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID: MB 720-79297/1-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/05/2010 0206
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410032.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		1000
4-Methyl-2-pentanone (MIBK)	ND		5000
Naphthalene	ND		1000
N-Propylbenzene	ND		500
Styrene	ND		500
1,1,1,2-Tetrachloroethane	ND		500
1,1,2,2-Tetrachloroethane	ND		500
Tetrachloroethene	ND		500
Toluene	ND		500
1,2,3-Trichlorobenzene	ND		500
1,2,4-Trichlorobenzene	ND		500
1,1,1-Trichloroethane	ND		500
1,1,2-Trichloroethane	ND		500
Trichloroethene	ND		500
Trichlorofluoromethane	ND		500
1,2,3-Trichloropropane	ND		500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500
1,2,4-Trimethylbenzene	ND		500
1,3,5-Trimethylbenzene	ND		500
Vinyl acetate	ND		5000
Vinyl chloride	ND		500
m-Xylene & p-Xylene	ND		500
o-Xylene	ND		500
Xylenes, Total	ND		1000
2,2-Dichloropropane	ND		500
Gasoline Range Organics (GRO)-C5-C12	ND		25000

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	66 - 148
1,2-Dichloroethane-d4 (Surr)	105	62 - 137
Toluene-d8 (Surr)	98	65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79297/2-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/04/2010 2355
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410028.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79297/3-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/05/2010 0028
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410029.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	106	102	71 - 146	3	20		
Acetone	84	78	12 - 234	8	20		
Benzene	99	99	76 - 122	0	20		
Dichlorobromomethane	100	102	80 - 131	2	20		
Bromobenzene	106	106	77 - 125	0	20		
Chlorobromomethane	105	104	74 - 134	1	20		
Bromoform	84	83	54 - 149	2	20		
Bromomethane	82	94	14 - 175	14	20		
2-Butanone (MEK)	96	90	58 - 159	7	20		
n-Butylbenzene	112	113	57 - 164	0	20		
sec-Butylbenzene	110	111	62 - 153	0	20		
tert-Butylbenzene	113	112	72 - 136	1	20		
Carbon disulfide	99	100	13 - 151	1	20		
Carbon tetrachloride	107	106	72 - 136	1	20		
Chlorobenzene	98	97	81 - 128	1	20		
Chloroethane	87	101	54 - 128	14	20		
Chloroform	101	101	75 - 133	0	20		
Chloromethane	97	103	43 - 146	5	20		
2-Chlorotoluene	108	108	66 - 143	0	20		
4-Chlorotoluene	107	108	73 - 136	1	20		
Chlorodibromomethane	95	94	76 - 134	1	20		
1,2-Dichlorobenzene	105	103	77 - 140	1	20		
1,3-Dichlorobenzene	105	104	71 - 135	0	20		
1,4-Dichlorobenzene	101	101	76 - 130	0	20		
1,3-Dichloropropane	107	105	73 - 133	2	20		
1,1-Dichloropropene	105	105	81 - 134	0	20		
1,2-Dibromo-3-Chloropropane	81	77	52 - 156	4	20		
Ethylene Dibromide	106	103	80 - 138	2	20		
Dibromomethane	106	104	76 - 139	1	20		
Dichlorodifluoromethane	107	108	30 - 120	1	20		
1,1-Dichloroethane	100	100	79 - 125	1	20		
1,2-Dichloroethane	104	101	77 - 133	3	20		
1,1-Dichloroethene	97	96	74 - 122	1	20		

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79297/2-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/04/2010 2355
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410028.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79297/3-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/05/2010 0028
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410029.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	109	109	77 - 132	0	20		
trans-1,2-Dichloroethene	102	102	74 - 128	0	20		
1,2-Dichloropropane	107	106	84 - 129	1	20		
cis-1,3-Dichloropropene	103	102	79 - 144	1	20		
trans-1,3-Dichloropropene	100	99	78 - 144	1	20		
Ethylbenzene	102	102	76 - 137	0	20		
Hexachlorobutadiene	103	105	63 - 150	2	20		
2-Hexanone	91	84	63 - 165	8	20		
Isopropylbenzene	107	106	65 - 128	1	20		
4-Isopropyltoluene	106	107	62 - 153	1	20		
Methylene Chloride	99	98	79 - 128	1	20		
4-Methyl-2-pentanone (MIBK)	94	88	66 - 150	6	20		
Naphthalene	97	97	62 - 151	0	20		
N-Propylbenzene	106	106	65 - 144	1	20		
Styrene	110	109	79 - 139	1	20		
1,1,1,2-Tetrachloroethane	116	113	72 - 129	2	20		
1,1,2,2-Tetrachloroethane	109	108	69 - 133	2	20		
Tetrachloroethene	96	95	79 - 130	1	20		
Toluene	95	95	77 - 120	0	20		
1,2,3-Trichlorobenzene	106	109	72 - 159	2	20		
1,2,4-Trichlorobenzene	105	105	71 - 163	0	20		
1,1,1-Trichloroethane	103	105	69 - 132	2	20		
1,1,2-Trichloroethane	111	108	80 - 140	2	20		
Trichloroethene	96	96	69 - 129	0	20		
Trichlorofluoromethane	112	114	49 - 140	2	20		
1,2,3-Trichloropropane	108	104	74 - 135	4	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	93	91	66 - 128	2	20		
1,2,4-Trimethylbenzene	116	117	62 - 155	0	20		
1,3,5-Trimethylbenzene	113	114	69 - 142	1	20		
Vinyl acetate	94	94	56 - 200	0	20		
Vinyl chloride	19	20	10 - 118	4	20		
m-Xylene & p-Xylene	104	104	71 - 142	0	20		
o-Xylene	107	106	71 - 142	1	20		

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79297/2-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/04/2010 2355
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410028.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79297/3-A
Client Matrix: Solid
Dilution: 100
Date Analyzed: 10/05/2010 0028
Date Prepared: 10/04/2010 1700

Analysis Batch: 720-79265
Prep Batch: 720-79297
Units: ug/Kg

Instrument ID: HP5
Lab File ID: 100410029.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	100	104	67 - 146	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	102	100	66 - 148
1,2-Dichloroethane-d4 (Surr)	100	98	62 - 137
Toluene-d8 (Surr)	101	99	65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79297

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-79297/4-A	Analysis Batch: 720-79265	Instrument ID: HP5
Client Matrix:	Solid	Prep Batch: 720-79297	Lab File ID: 100410030.D
Dilution:	100	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	10/05/2010 0101		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 1700		

LCSD Lab Sample ID:	LCSD 720-79297/5-A	Analysis Batch: 720-79265	Instrument ID: HP5
Client Matrix:	Solid	Prep Batch: 720-79297	Lab File ID: 100410031.D
Dilution:	100	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	10/05/2010 0133		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 1700		

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	79	86	70 - 130	8	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	105	101	66 - 148
1,2-Dichloroethane-d4 (Surr)	107	91	62 - 137
Toluene-d8 (Surr)	100	99	65 - 141

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method Blank - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

Lab Sample ID:	MB 720-79044/1-A	Analysis Batch: 720-79121	Instrument ID: HP # 3
Client Matrix:	Solid	Prep Batch: 720-79044	Lab File ID: 100110018.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 30.04 g
Date Analyzed:	10/01/2010 1725		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		5.0
Acenaphthene	ND		5.0
Acenaphthylene	ND		5.0
Fluorene	ND		5.0
Phenanthrene	ND		5.0
Anthracene	ND		5.0
Benzo[a]anthracene	ND		5.0
Chrysene	ND		5.0
Benzo[a]pyrene	ND		5.0
Benzo[b]fluoranthene	ND		5.0
Benzo[k]fluoranthene	ND		5.0
Benzo[g,h,i]perylene	ND		5.0
Indeno[1,2,3-cd]pyrene	ND		5.0
Fluoranthene	ND		5.0
Pyrene	ND		5.0
Dibenz(a,h)anthracene	ND		5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	90	33 - 120
Terphenyl-d14	106	35 - 146

Quality Control Results

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

LCS Lab Sample ID: LCS 720-79044/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1639
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044
Units: ug/Kg

Instrument ID: HP # 3
Lab File ID: 100110016.D
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-79044/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1702
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044
Units: ug/Kg

Instrument ID: HP # 3
Lab File ID: 100110017.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	88	85	46 - 120	3	20		
Acenaphthene	80	86	49 - 120	7	20		
Acenaphthylene	89	88	52 - 120	0	20		
Fluorene	112	110	52 - 120	2	20		
Phenanthrene	94	92	48 - 120	1	20		
Anthracene	95	94	52 - 120	1	20		
Benzo[a]anthracene	86	83	52 - 120	4	20		
Chrysene	101	100	54 - 120	1	20		
Benzo[a]pyrene	99	98	54 - 120	1	20		
Benzo[b]fluoranthene	89	88	51 - 120	1	20		
Benzo[k]fluoranthene	110	104	56 - 120	5	20		
Benzo[g,h,i]perylene	92	93	48 - 120	1	20		
Indeno[1,2,3-cd]pyrene	98	99	48 - 120	1	20		
Fluoranthene	105	103	57 - 120	2	20		
Pyrene	93	91	53 - 120	2	20		
Dibenz(a,h)anthracene	97	98	50 - 120	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	94	91	33 - 120
Terphenyl-d14	103	101	35 - 146

Quality Control Results

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

MS Lab Sample ID: 720-30865-A-3-B MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 2051
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044

Instrument ID: HP # 3
Lab File ID: 100110027.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 720-30865-A-3-C MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 2114
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044

Instrument ID: HP # 3
Lab File ID: 100110028.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Naphthalene	60	74	32 - 120	21	20		F
Acenaphthene	58	78	33 - 120	29	20		F
Acenaphthylene	59	86	28 - 120	37	20		F
Fluorene	78	107	35 - 120	32	20		F
Phenanthrene	67	86	28 - 120	25	20		F
Anthracene	73	87	36 - 120	18	20		
Benzo[a]anthracene	70	81	29 - 120	15	20		
Chrysene	82	93	29 - 120	12	20		
Benzo[a]pyrene	81	91	24 - 120	11	20		
Benzo[b]fluoranthene	76	85	17 - 132	11	20		
Benzo[k]fluoranthene	83	96	35 - 120	14	20		
Benzo[g,h,i]perylene	82	92	21 - 120	12	20		
Indeno[1,2,3-cd]pyrene	87	98	20 - 126	12	20		
Fluoranthene	86	96	24 - 120	12	20		
Pyrene	76	87	24 - 123	14	20		
Dibenz(a,h)anthracene	86	98	36 - 120	12	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	56	81	33 - 120
Terphenyl-d14	85	97	35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method Blank - Batch: 720-79141 **Method: 8270C SIM**
Preparation: 3510C

Lab Sample ID: MB 720-79141/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1408
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041007.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	75	29 - 120
Terphenyl-d14	101	45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79141 **Method: 8270C SIM**
Preparation: 3510C

LCS Lab Sample ID: LCS 720-79141/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1320
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041005.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-79141/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1344
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041006.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	70	57	33 - 120	21	35		
Acenaphthene	75	59	37 - 120	25	35		
Acenaphthylene	72	56	36 - 120	25	35		
Fluorene	91	71	39 - 120	25	35		
Phenanthrene	86	66	44 - 120	26	35		
Anthracene	85	70	45 - 120	19	35		
Benzo[a]anthracene	93	93	48 - 120	1	35		
Chrysene	105	101	52 - 120	4	35		
Benzo[a]pyrene	103	101	50 - 120	2	35		
Benzo[b]fluoranthene	107	110	48 - 120	2	35		
Benzo[k]fluoranthene	101	94	50 - 120	7	35		
Benzo[g,h,i]perylene	92	90	49 - 120	1	35		
Indeno[1,2,3-cd]pyrene	96	94	48 - 120	2	35		
Fluoranthene	95	86	46 - 120	10	35		
Pyrene	95	87	50 - 120	9	35		
Dibenz(a,h)anthracene	95	93	48 - 101	2	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	76	60	29 - 120
Terphenyl-d14	98	96	45 - 120

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79141

Method: 8270C SIM
Preparation: 3510C

MS Lab Sample ID:	720-30865-B-4-A MS	Analysis Batch: 720-79226	Instrument ID: SVOA HP 4
Client Matrix:	Water	Prep Batch: 720-79141	Lab File ID: 10041008.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/04/2010 1431		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

MSD Lab Sample ID:	720-30865-B-4-B MSD	Analysis Batch: 720-79226	Instrument ID: SVOA HP 4
Client Matrix:	Water	Prep Batch: 720-79141	Lab File ID: 10041009.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/04/2010 1455		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Naphthalene	58	59	36 - 120	0	35		
Acenaphthene	62	61	40 - 120	2	35		
Acenaphthylene	59	59	39 - 120	1	35		
Fluorene	71	71	44 - 120	0	35		
Phenanthrene	62	62	44 - 120	0	35		
Anthracene	67	66	48 - 120	2	35		
Benzo[a]anthracene	86	84	48 - 120	3	35		
Chrysene	99	93	52 - 120	6	35		
Benzo[a]pyrene	72	60	50 - 120	18	35		
Benzo[b]fluoranthene	78	74	48 - 120	6	35		
Benzo[k]fluoranthene	71	58	50 - 120	21	35		
Benzo[g,h,i]perylene	36	31	49 - 120	16	35	F	F
Indeno[1,2,3-cd]pyrene	40	34	48 - 120	16	35	F	F
Fluoranthene	81	81	52 - 120	0	35		
Pyrene	81	81	50 - 120	0	35		
Dibenz(a,h)anthracene	33	28	48 - 120	14	35	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	63	63	29 - 120
Terphenyl-d14	87	80	45 - 120

Method Blank - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID:	MB 720-79041/1-A	Analysis Batch: 720-79101	Instrument ID: CHDRO6
Client Matrix:	Solid	Prep Batch: 720-79041	Lab File ID: FID1000020.D
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.20 g
Date Analyzed:	10/01/2010 1431		Final Weight/Volume: 2 mL
Date Prepared:	09/30/2010 1126		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		0.99
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0	0 - 5
p-Terphenyl	86	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID:	LCS 720-79041/2-A	Analysis Batch: 720-79101	Instrument ID: CHDRO6
Client Matrix:	Solid	Prep Batch: 720-79041	Lab File ID: FID1000021.D
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.22 g
Date Analyzed:	10/01/2010 1503		Final Weight/Volume: 2 mL
Date Prepared:	09/30/2010 1126		Injection Volume: 1 uL
			Column ID: PRIMARY

LCSD Lab Sample ID:	LCSD 720-79041/3-A	Analysis Batch: 720-79101	Instrument ID: CHDRO6
Client Matrix:	Solid	Prep Batch: 720-79041	Lab File ID: FID1000022.D
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.24 g
Date Analyzed:	10/01/2010 1524		Final Weight/Volume: 2 mL
Date Prepared:	09/30/2010 1126		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	90	86	45 - 115	4	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	98	46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79041

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID:	720-30837-6	Analysis Batch: 720-79102	Instrument ID: CHDRO6
Client Matrix:	Solid	Prep Batch: 720-79041	Lab File ID: FID2000028.D
Dilution:	1.0		Initial Weight/Volume: 30.16 g
Date Analyzed:	10/01/2010 1737		Final Weight/Volume: 2 mL
Date Prepared:	09/30/2010 1126		Injection Volume: 1 uL
			Column ID: PRIMARY
MSD Lab Sample ID:	720-30837-6	Analysis Batch: 720-79102	Instrument ID: CHDRO6
Client Matrix:	Solid	Prep Batch: 720-79041	Lab File ID: FID2000029.D
Dilution:	1.0		Initial Weight/Volume: 30.18 g
Date Analyzed:	10/01/2010 1759		Final Weight/Volume: 2 mL
Date Prepared:	09/30/2010 1126		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	% Rec. MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	57	58	50 - 130	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	97	46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Method Blank - Batch: 720-79118

Method: 8015B
Preparation: 3510C SGC
Dissolved

Lab Sample ID: MB 720-79115/1-C	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Client Matrix: Water	Prep Batch: 720-79118	Lab File ID: 1004105a_009.d
Dilution: 1.0	Units: ug/L	Initial Weight/Volume: 1000 mL
Date Analyzed: 10/04/2010 0955		Final Weight/Volume: 2 mL
Date Prepared: 10/01/2010 1004		Injection Volume: 1 uL
		Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	18.6	J	10	50
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.1	0 - 5
p-Terphenyl	94	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79118

Method: 8015B
Preparation: 3510C SGC
Dissolved

LCS Lab Sample ID: LCS 720-79115/2-C	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Client Matrix: Water	Prep Batch: 720-79118	Lab File ID: 1004105a_007.d
Dilution: 1.0	Units: ug/L	Initial Weight/Volume: 1000 mL
Date Analyzed: 10/04/2010 0909		Final Weight/Volume: 2 mL
Date Prepared: 10/01/2010 1004		Injection Volume: 1 uL
		Column ID: PRIMARY
LCSD Lab Sample ID: LCSD 720-79115/3-C	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Client Matrix: Water	Prep Batch: 720-79118	Lab File ID: 1004105a_008.d
Dilution: 1.0	Units: ug/L	Initial Weight/Volume: 1000 mL
Date Analyzed: 10/04/2010 0932		Final Weight/Volume: 2 mL
Date Prepared: 10/01/2010 1004		Injection Volume: 1 uL
		Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	66	58	32 - 119	12	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	91	88	31 - 150

Method Blank - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID: MB 720-79235/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0706
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_061.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	93	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79235/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0619
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_059.d
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79235/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0642
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_060.d
Initial Weight/Volume: 30.43 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	83	85	45 - 115	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	100	46 - 115

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID: 720-30865-A-3-D MS
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1125
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000012.D
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-30865-A-3-E MSD
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1147
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000013.D
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	NaN	NaN	50 - 130	28	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	93	46 - 115

Method Blank - Batch: 720-79363

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79363/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 1047
Date Prepared: 10/06/2010 0810

Analysis Batch: 720-79456
Prep Batch: 720-79363
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_010.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	94	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79363

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79363/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 1110
Date Prepared: 10/06/2010 0810

Analysis Batch: 720-79456
Prep Batch: 720-79363
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_011.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79363/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 1134
Date Prepared: 10/06/2010 0810

Analysis Batch: 720-79456
Prep Batch: 720-79363
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_012.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	60	64	32 - 119	7	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	102	116	31 - 150

Method Blank - Batch: 720-79386

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79386/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 0934
Date Prepared: 10/06/2010 1311

Analysis Batch: 720-79456
Prep Batch: 720-79386
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	99	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79386

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79386/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 1000
Date Prepared: 10/06/2010 1311

Analysis Batch: 720-79456
Prep Batch: 720-79386
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79386/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/07/2010 1024
Date Prepared: 10/06/2010 1311

Analysis Batch: 720-79456
Prep Batch: 720-79386
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1007105b_009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	56	64	32 - 119	13	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	99	104	31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Method Blank - Batch: 720-79232 **Method: 7199**
Preparation: N/A

Lab Sample ID: MB 720-79232/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 1606
Date Prepared: N/A

Analysis Batch: 720-79232
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092810.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Cr (VI)	ND		0.50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79232 **Method: 7199**
Preparation: N/A

LCS Lab Sample ID: LCS 720-79232/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 1616
Date Prepared: N/A

Analysis Batch: 720-79232
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092810.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79232/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 1626
Date Prepared: N/A

Analysis Batch: 720-79232
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092810.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cr (VI)	103	101	85 - 115	2	20		

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79232 **Method: 7199**
Preparation: N/A

MS Lab Sample ID: 720-30814-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 1936
Date Prepared: N/A

Analysis Batch: 720-79232
Prep Batch: N/A

Instrument ID: IC3
Lab File ID: 092810.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30814-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2010 1947
Date Prepared: N/A

Analysis Batch: 720-79232
Prep Batch: N/A

Instrument ID: IC3
Lab File ID: 092810.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	97	100	80 - 120	3	20		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Project: 720-30837

Sampled: 09/28/10
Received: 09/30/10
Issued: 10/05/10 18:27

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITI2549-01	SB-06	Water
ITI2549-02	SB-05	Water

Reviewed By:

TestAmerica Irvine

Steven Garcia
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Project ID: 720-30837
Report Number: ITI2549

Sampled: 09/28/10
Received: 09/30/10

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITI2549-01 (SB-06 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020	10J0140	10	**250**	5	10/2/2010	10/3/2010	
Sample ID: ITI2549-02 (SB-05 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020	10J0140	2.0	**20**	1	10/2/2010	10/2/2010	

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Project ID: 720-30837
Report Number: ITI2549

Sampled: 09/28/10
Received: 09/30/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0140 Extracted: 10/02/10										
Blank Analyzed: 10/02/2010 (10J0140-BLK1)										
Chromium	ND	2.0	ug/l							
LCS Analyzed: 10/02/2010 (10J0140-BS1)										
Chromium	81.0	2.0	ug/l	80.0		101	80-120			
Matrix Spike Analyzed: 10/02/2010 (10J0140-MS1)					**Source: ITJ0043-02**					
Chromium	117	2.0	ug/l	80.0	43.9	91	75-125			
Matrix Spike Dup Analyzed: 10/02/2010 (10J0140-MSD1)					**Source: ITJ0043-02**					
Chromium	111	2.0	ug/l	80.0	43.9	83	75-125	6	20	

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Project ID: 720-30837
Report Number: ITI2549

Sampled: 09/28/10
Received: 09/30/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Project ID: 720-30837

Report Number: ITI2549

Sampled: 09/28/10
Received: 09/30/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

ITI2549

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com	COC No: 720-10115.1
Company: TestAmerica Laboratories, Inc			Page: Page 1 of 1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 10/4/2010		Job #: 720-30837-1
City: Irvine	TAT Requested (days):		
State, Zip: CA, 92614-5817			
Phone: 949-261-1022(Tel) 949-261-1228(Fax)	PO #:		
Email:	WO #:		
Project Name: Crown Chevrolet	Project #: 72006900		
Site:	SSOW#:		

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Cr by 6020	Total Number of containers	Special Instructions/Note:
			Preservation Codes:						
SB-06 (720-30837-8)	9/28/10	11:05 Pacific		Water			X	1	
SB-05 (720-30837-14)	9/28/10	14:20 Pacific		Water			X	1	

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

OO 9/30/10

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9-29-10 1700	SF	[signature]	9/30/10 11:15	TAI

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: (CS) 4.2

CHAIN-OF-CUSTODY RECORD

720-30837

OAK 13209 127182

PROJECT NAME: CROWN CHEVROLET | DATE: 9/28/2010 | PAGE 2 OF 3

PROJECT NUMBER: OD101 600 70

LABORATORY NAME: TASF

CLIENT INFORMATION: AMEC Geomatrix

REPORTING REQUIREMENTS:

RESULTS TO: A. Patton

LABORATORY ADDRESS:

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD:

LABORATORY CONTACT: Afsaneh

LABORATORY PHONE NUMBER:

GEOTRACKER REQUIRED (YES) NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [signatures]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/mo	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
	9/28	11:05	SB-06					X	Poly 250 mL	W	N	HNO3	Y	N	1	
		11:05	SB-06					X	Poly 250 mL	W	N	None	Y	N	1	
9		11:55	SB-12-12			X	X		8 oz glass jar	S	N	None	Y	N	1	
10		12:05	SB-05-11.5			X	X		8 oz glass jar	S	N	None	Y	N	1	
11		13:40	SB-12			X			32 oz Amber jar	W	N	HCL	Y	N	2	
			↓			X			↓	W	N	None	Y	N	2	filter@lab
			↓			[circled]	X		↓	W	N	None	Y	N	2	
12		14:00	SB-09-3.0			X	X		8 oz glass jar	S	N	none	Y	N	1	HOLD
13		14:05	SB-09-4.9			X	X		↓	S	N	none	Y	N	1	
14		14:20	SB-05			X				W	N	HCL	Y	N	2	
		14:20	↓			X				W	N	None	Y	N	2	filter@lab
		14:20	↓				X			W	N	None	Y	N	2	
		14:20	↓					X		W	N	HNO3	Y	N	1	
		14:20	↓					X		W	N	None	Y	N	1	
			BLANK LINE													

TOTAL NUMBER OF CONTAINERS: 20

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: David Greenstein COMPANY: Amec Geomatrix	9/28/10	17:05	SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TASF	9/28/10	1722
SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TASF	9/28/10	1800	SIGNATURE: [signature] PRINTED NAME: Muller COMPANY: TA [illegible]	9/28/10	1800
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

SAMPLING COMMENTS: See page 1 of 3

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

CHAIN-OF-CUSTODY RECORD

720-30837

OAK 13207 127187

PROJECT NAME: CROWN CHEVROLET | DATE: 9/28/2010 | PAGE 1 OF 3

PROJECT NUMBER: OD101 600 70

LABORATORY NAME: TASF

CLIENT INFORMATION: Amec Geomatrix

REPORTING REQUIREMENTS:

RESULTS TO: A. PATTON

LABORATORY ADDRESS:

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD:

LABORATORY CONTACT: Afsaneh

LABORATORY PHONE NUMBER:

GEOTRACKER REQUIRED (YES) NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [signatures]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/mo*	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	9/28/2010	730	SB-10-11.5			X	X		8 oz glass jar	S	N	None	Y	N	1	
2	↓	747	SB-10-9.0			X	X		↓	S	N	None	Y	N	1	Hold
3	↓	748	SB-10-10.5			X	X		↓	S	N	None	Y	N	1	Hold
4	↓	7:51	SB-10-4.0			X	X		↓	S	N	None	Y	N	1	Hold
5	↓	8:48	SB-10			X			32 oz Amber Jar	W	N	HCL	Y	N	1	
	↓	8:48	SB			X			↓	W	N	HCL	Y	N	1	
	↓	8:48	↓			X			↓	W	N	None	Y	N	1	Filter@lab
	↓	8:48	↓			X			↓	W	N	None	Y	N	1	Filter@lab
	↓	8:48	↓				X		↓	W	N	None	Y	N	1	
	↓	8:48	↓				X		↓	W	N	None	Y	N	1	
6	↓	10:06	SB-06-3.0			X	X		8 oz glass jar	S	N	None	Y	N	1	
7	↓	10:25	SB-06-11.0			X	X		8 oz glass jar	S	N	None	Y	N	1	
8	↓	11:05	SB-06			X			32 oz Amber Jar	W	N	HCL	Y	N	2	
	↓	11:05	SB-06			X			↓	W	N	None	Y	N	2	Filter@lab
	↓	11:05	SB-06				X		↓	W	N	None	Y	N	2	

TOTAL NUMBER OF CONTAINERS: 18

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: David Greenstein COMPANY: Amec Geomatrix	9/28/10	17:05	SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TASF	9/28/10	1722
SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TASF	9/28/10	1800	SIGNATURE: [signature] PRINTED NAME: Muller COMPANY: TA [illegible]	9/28/10	1800
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

SAMPLING COMMENTS: Total 57

* Silica Gel Prep for TPHd/mo
VOC, BTEX, MTBE, TPHg by 8260B
~~TPHd/mo~~ TPH d/mo by 8015 5.4°C 5.7°C 3.3°C
PAHs by 8270C SIM
Chromium by 6020

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

CHAIN-OF-CUSTODY RECORD 720-30837

OAK 13208 127182

PROJECT NAME: CROWN CHEVROLET | DATE: 9/28/2010 | PAGE 3 OF 3

PROJECT NUMBER: OD10160070

RESULTS TO: A. PATTON

TURNAROUND TIME: Standard

SAMPLE SHIPMENT METHOD:

LABORATORY NAME: TASF

LABORATORY ADDRESS:

LABORATORY CONTACT: Af Sanch

LABORATORY PHONE NUMBER:

CLIENT INFORMATION: Amec Geomatrix

REPORTING REQUIREMENTS:

GEOTRACKER REQUIRED: (YES) NO

SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [signature]

	DATE	TIME	SAMPLE NUMBER	Voc, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/Mo	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
15	9/28/10	11:30	SB-05-0.7			X	X		8oz glass jar	S	N	None	Y	N	1	
16		11:35	SB-05-2.0			X	X		↓	S	N	None	Y	N	1	Hold
17		15:28	SB-09-11.8			X	X		↓	S	N	None	Y	N	1	
18		15:30	SB-09-6.0			X	X		↓	S	N	None	Y	N	1	HOLD
19		16:01	SB-03-1.3	X					40 ml voa	S	N	DI Water	Y	N	2	HOLD
		16:01	SB-03-1.3	X					↓	S	N	Methanol	Y	N	1	↓
20		15:58	SB-03-2.8	X					↓	S	N	DI Water	Y	N	2	↓
		15:58	SB-03-2.8	X					↓	S	N	Methanol	Y	N	1	↓
21		16:10	SB-03-3.2	X					↓	S	N	DI Water	Y	N	2	
		16:10	SB-03-3.2	X					↓	S	N	Methanol	Y	N	1	
22		16:40	SB-03-11.5	X					40 ml VOA	S	N	DI Water	Y	N	2	
		16:40	SB-03-11.5	X					↓	S	N	Methanol	Y	N	1	
23		16:55	SB-03-6.5	X					↓	S	N	DI Water	Y	N	2	HOLD
		16:55	SB-03-6.5	X					↓	S	N	Methanol	Y	N	1	HOLD

BLANK LINE

TOTAL NUMBER OF CONTAINERS: 19

SAMPLING COMMENTS: See page 1 of 3

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: David Greenstein COMPANY: Amec Geomatrix	9/28/10	17:05	SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TAF	9/28/10	1722
SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TASF	9/29/10	1800	SIGNATURE: [signature] PRINTED NAME: Mullen COMPANY: TA Amer	9/29/10	1800
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc. Job Number: 720-30837-1

Login Number: 30837
Creator: Mullen, Joan
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30837-2

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release.
Afsaneh Salimpour
Project Manager I
11/5/2010 8:43 AM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/05/2010
Revision: 1

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Job Narrative
720-30837-2

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

All samples for TPH(Diesel and Motor oil) were analysed with Silica Gel clean up using Method 3630C.
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30837-4	SB-10-4.0				
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1.1	1.0	mg/Kg	8015B

METHOD SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Description	Lab Location	Method	Preparation Method
Matrix Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8015B	Hayashi, Derek	DH

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30837-2	SB-10-9.0	Solid	09/28/2010 0747	09/28/2010 1800
720-30837-3	SB-10-10.5	Solid	09/28/2010 0748	09/28/2010 1800
720-30837-4	SB-10-4.0	Solid	09/28/2010 0751	09/28/2010 1800
720-30837-12	SB-09-3.0	Solid	09/28/2010 1400	09/28/2010 1800
720-30837-16	SB-05-2.0	Solid	09/28/2010 1135	09/28/2010 1800
720-30837-18	SB-09-6.0	Solid	09/28/2010 1530	09/28/2010 1800
720-30837-19	SB-03-1.3	Solid	09/28/2010 1601	09/28/2010 1800

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Client Sample ID: SB-03-1.3

Lab Sample ID: 720-30837-19 Date Sampled: 09/28/2010 1601
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79201		Instrument ID:	HP7
Preparation:	5035	Prep Batch: 720-79321		Lab File ID:	10041013.D
Dilution:	1.0			Initial Weight/Volume:	6.60 g
Date Analyzed:	10/04/2010 1556			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Methyl tert-butyl ether		ND		3.8
Acetone		ND		38
Benzene		ND		3.8
Dichlorobromomethane		ND		3.8
Bromobenzene		ND		3.8
Chlorobromomethane		ND		15
Bromoform		ND		3.8
Bromomethane		ND		7.6
2-Butanone (MEK)		ND		38
n-Butylbenzene		ND		3.8
sec-Butylbenzene		ND		3.8
tert-Butylbenzene		ND		3.8
Carbon disulfide		ND		3.8
Carbon tetrachloride		ND		3.8
Chlorobenzene		ND		3.8
Chloroethane		ND		7.6
Chloroform		ND		3.8
Chloromethane		ND		7.6
2-Chlorotoluene		ND		3.8
4-Chlorotoluene		ND		3.8
Chlorodibromomethane		ND		3.8
1,2-Dichlorobenzene		ND		3.8
1,3-Dichlorobenzene		ND		3.8
1,4-Dichlorobenzene		ND		3.8
1,3-Dichloropropane		ND		3.8
1,1-Dichloropropene		ND		3.8
1,2-Dibromo-3-Chloropropane		ND		3.8
Ethylene Dibromide		ND		3.8
Dibromomethane		ND		7.6
Dichlorodifluoromethane		ND		7.6
1,1-Dichloroethane		ND		3.8
1,2-Dichloroethane		ND		3.8
1,1-Dichloroethene		ND		3.8
cis-1,2-Dichloroethene		ND		3.8
trans-1,2-Dichloroethene		ND		3.8
1,2-Dichloropropane		ND		3.8
cis-1,3-Dichloropropene		ND		3.8
trans-1,3-Dichloropropene		ND		3.8
Ethylbenzene		ND		3.8
Hexachlorobutadiene		ND		3.8
2-Hexanone		ND		38
Isopropylbenzene		ND		3.8
4-Isopropyltoluene		ND		3.8
Methylene Chloride		ND		7.6
4-Methyl-2-pentanone (MIBK)		ND		38
Naphthalene		ND		7.6

Analytical Data

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Client Sample ID: SB-03-1.3

Lab Sample ID: 720-30837-19 Date Sampled: 09/28/2010 1601
Client Matrix: Solid Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method:	8260B/CA_LUFTMS	Analysis Batch: 720-79201		Instrument ID:	HP7
Preparation:	5035	Prep Batch: 720-79321		Lab File ID:	10041013.D
Dilution:	1.0			Initial Weight/Volume:	6.60 g
Date Analyzed:	10/04/2010 1556			Final Weight/Volume:	10 mL
Date Prepared:	10/04/2010 0800				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
N-Propylbenzene		ND		3.8
Styrene		ND		3.8
1,1,1,2-Tetrachloroethane		ND		3.8
1,1,2,2-Tetrachloroethane		ND		3.8
Tetrachloroethene		ND		3.8
Toluene		ND		3.8
1,2,3-Trichlorobenzene		ND		3.8
1,2,4-Trichlorobenzene		ND		3.8
1,1,1-Trichloroethane		ND		3.8
1,1,2-Trichloroethane		ND		3.8
Trichloroethene		ND		3.8
Trichlorofluoromethane		ND		3.8
1,2,3-Trichloropropane		ND		3.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		3.8
1,2,4-Trimethylbenzene		ND		3.8
1,3,5-Trimethylbenzene		ND		3.8
Vinyl acetate		ND		38
Vinyl chloride		ND		3.8
Xylenes, Total		ND		7.6
2,2-Dichloropropane		ND		3.8
Gasoline Range Organics (GRO)-C5-C12		ND		190

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		65 - 117
1,2-Dichloroethane-d4 (Surr)	97		73 - 140
Toluene-d8 (Surr)	98		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Client Sample ID: **SB-10-9.0**

Lab Sample ID: 720-30837-2 Date Sampled: 09/28/2010 0747
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.16 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1913		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.04		0 - 5
p-Terphenyl	90		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Client Sample ID: **SB-10-10.5**

Lab Sample ID: 720-30837-3 Date Sampled: 09/28/2010 0748
Client Matrix: Solid Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.45 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1935		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	81		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID: SB-10-4.0

Lab Sample ID: 720-30837-4
Client Matrix: Solid

Date Sampled: 09/28/2010 0751
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume: 30.12 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 1957		Injection Volume: 1 uL
Date Prepared:	10/04/2010 1427		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.1		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	88		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID: SB-09-3.0

Lab Sample ID: 720-30837-12
Client Matrix: Solid

Date Sampled: 09/28/2010 1400
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79277	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume: 30.23 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 1807		Injection Volume: 1 uL
Date Prepared:	10/04/2010 1427		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	96		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID: SB-05-2.0

Lab Sample ID: 720-30837-16
Client Matrix: Solid

Date Sampled: 09/28/2010 1135
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79277	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.18 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1829		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	93		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID: SB-09-6.0

Lab Sample ID: 720-30837-18
Client Matrix: Solid

Date Sampled: 09/28/2010 1530
Date Received: 09/28/2010 1800

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

Method:	8015B	Analysis Batch: 720-79277	Instrument ID:	CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume:	30.26 g
Dilution:	1.0		Final Weight/Volume:	2 mL
Date Analyzed:	10/05/2010 1913		Injection Volume:	1 uL
Date Prepared:	10/04/2010 1427		Result Type:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		0.99
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0		0 - 5
p-Terphenyl	85		46 - 115

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-79201					
LCS 720-79321/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79321
LCS 720-79321/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79321
LCSD 720-79321/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79321
LCSD 720-79321/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79321
MB 720-79321/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-79321
720-30837-19	SB-03-1.3	T	Solid	8260B/CA_LUFT	720-79321
Prep Batch: 720-79321					
LCS 720-79321/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-79321/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79321/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-79321/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-79321/1-A	Method Blank	T	Solid	5035	
720-30837-19	SB-03-1.3	T	Solid	5035	

Report Basis
T = Total

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79206					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	8015B	720-79235
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79235
MB 720-79235/1-A	Method Blank	A	Solid	8015B	720-79235
Prep Batch: 720-79235					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79235/1-A	Method Blank	A	Solid	3550B	
720-30837-2	SB-10-9.0	A	Solid	3550B	
720-30837-3	SB-10-10.5	A	Solid	3550B	
720-30837-4	SB-10-4.0	A	Solid	3550B	
720-30837-12	SB-09-3.0	A	Solid	3550B	
720-30837-16	SB-05-2.0	A	Solid	3550B	
720-30837-18	SB-09-6.0	A	Solid	3550B	
720-30865-A-3-D MS	Matrix Spike	A	Solid	3550B	
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-79276					
720-30837-2	SB-10-9.0	A	Solid	8015B	720-79235
720-30837-3	SB-10-10.5	A	Solid	8015B	720-79235
720-30837-4	SB-10-4.0	A	Solid	8015B	720-79235
720-30865-A-3-D MS	Matrix Spike	A	Solid	8015B	720-79235
720-30865-A-3-E MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79235
Analysis Batch:720-79277					
720-30837-12	SB-09-3.0	A	Solid	8015B	720-79235
720-30837-16	SB-05-2.0	A	Solid	8015B	720-79235
720-30837-18	SB-09-6.0	A	Solid	8015B	720-79235

Report Basis
A = Silica Gel Cleanup

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Method Blank - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID: MB 720-79321/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1042
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		5.0
Dichlorobromomethane	ND		5.0
Bromobenzene	ND		5.0
Chlorobromomethane	ND		20
Bromoform	ND		5.0
Bromomethane	ND		10
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		5.0
sec-Butylbenzene	ND		5.0
tert-Butylbenzene	ND		5.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		5.0
Chlorobenzene	ND		5.0
Chloroethane	ND		10
Chloroform	ND		5.0
Chloromethane	ND		10
2-Chlorotoluene	ND		5.0
4-Chlorotoluene	ND		5.0
Chlorodibromomethane	ND		5.0
1,2-Dichlorobenzene	ND		5.0
1,3-Dichlorobenzene	ND		5.0
1,4-Dichlorobenzene	ND		5.0
1,3-Dichloropropane	ND		5.0
1,1-Dichloropropene	ND		5.0
1,2-Dibromo-3-Chloropropane	ND		5.0
Ethylene Dibromide	ND		5.0
Dibromomethane	ND		10
Dichlorodifluoromethane	ND		10
1,1-Dichloroethane	ND		5.0
1,2-Dichloroethane	ND		5.0
1,1-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
trans-1,3-Dichloropropene	ND		5.0
Ethylbenzene	ND		5.0
Hexachlorobutadiene	ND		5.0
2-Hexanone	ND		50
Isopropylbenzene	ND		5.0
4-Isopropyltoluene	ND		5.0

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Method Blank - Batch: 720-79321 **Method: 8260B/CA_LUFTMS**
Preparation: 5035

Lab Sample ID: MB 720-79321/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1042
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		10
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		10
N-Propylbenzene	ND		5.0
Styrene	ND		5.0
1,1,1,2-Tetrachloroethane	ND		5.0
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND		5.0
1,2,3-Trichlorobenzene	ND		5.0
1,2,4-Trichlorobenzene	ND		5.0
1,1,1-Trichloroethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Trichloroethene	ND		5.0
Trichlorofluoromethane	ND		5.0
1,2,3-Trichloropropane	ND		5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0
1,2,4-Trimethylbenzene	ND		5.0
1,3,5-Trimethylbenzene	ND		5.0
Vinyl acetate	ND		50
Vinyl chloride	ND		5.0
m-Xylene & p-Xylene	ND		5.0
o-Xylene	ND		5.0
Xylenes, Total	ND		10
2,2-Dichloropropane	ND		5.0
Gasoline Range Organics (GRO)-C5-C12	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	65 - 117
1,2-Dichloroethane-d4 (Surr)	95	73 - 140
Toluene-d8 (Surr)	96	72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321 **Method: 8260B/CA_LUFTMS**
Preparation: 5035

LCS Lab Sample ID: LCS 720-79321/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1116
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79321/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1150
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Methyl tert-butyl ether	94	96	71 - 144	2	20		
Acetone	73	73	45 - 154	0	30		
Benzene	93	93	82 - 124	0	20		
Dichlorobromomethane	106	107	89 - 131	1	20		
Bromobenzene	100	104	86 - 112	3	20		
Chlorobromomethane	100	98	82 - 115	2	20		
Bromoform	105	109	59 - 158	4	20		
Bromomethane	105	109	71 - 136	4	20		
2-Butanone (MEK)	81	82	61 - 150	2	20		
n-Butylbenzene	110	113	80 - 142	3	20		
sec-Butylbenzene	106	108	85 - 136	2	20		
tert-Butylbenzene	102	104	74 - 134	2	20		
Carbon disulfide	97	95	60 - 136	2	20		
Carbon tetrachloride	108	106	81 - 138	2	20		
Chlorobenzene	98	99	85 - 108	1	20		
Chloroethane	104	110	69 - 141	5	20		
Chloroform	101	103	77 - 127	1	20		
Chloromethane	110	112	60 - 149	2	20		
2-Chlorotoluene	101	105	80 - 138	4	20		
4-Chlorotoluene	100	105	79 - 136	4	20		
Chlorodibromomethane	105	106	75 - 146	1	20		
1,2-Dichlorobenzene	100	104	84 - 130	4	20		
1,3-Dichlorobenzene	102	104	84 - 131	2	20		
1,4-Dichlorobenzene	102	103	85 - 125	1	20		
1,3-Dichloropropane	95	99	79 - 140	4	20		
1,1-Dichloropropene	105	104	70 - 130	1	20		
1,2-Dibromo-3-Chloropropane	101	103	68 - 148	2	20		
Ethylene Dibromide	100	102	79 - 140	2	20		
Dibromomethane	100	100	80 - 139	0	20		
Dichlorodifluoromethane	121	126	37 - 158	4	20		
1,1-Dichloroethane	96	98	86 - 111	2	20		
1,2-Dichloroethane	101	104	78 - 140	3	20		
1,1-Dichloroethene	96	96	77 - 120	0	20		

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79321/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1116
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79321/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1150
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	101	103	91 - 133	2	20		
trans-1,2-Dichloroethene	99	96	73 - 117	3	20		
1,2-Dichloropropane	93	96	81 - 124	3	20		
cis-1,3-Dichloropropene	103	105	68 - 147	1	20		
trans-1,3-Dichloropropene	106	108	84 - 136	2	20		
Ethylbenzene	100	101	80 - 137	1	20		
Hexachlorobutadiene	113	114	72 - 132	1	20		
2-Hexanone	90	93	60 - 161	4	20		
Isopropylbenzene	107	108	83 - 121	1	20		
4-Isopropyltoluene	107	110	85 - 133	2	20		
Methylene Chloride	93	92	68 - 126	1	20		
4-Methyl-2-pentanone (MIBK)	90	95	69 - 160	5	20		
Naphthalene	105	108	70 - 147	4	20		
N-Propylbenzene	96	100	72 - 125	3	20		
Styrene	102	103	87 - 128	2	20		
1,1,1,2-Tetrachloroethane	107	107	90 - 130	0	20		
1,1,2,2-Tetrachloroethane	95	102	82 - 146	7	20		
Tetrachloroethene	109	102	78 - 132	7	20		
Toluene	96	99	83 - 128	2	20		
1,2,3-Trichlorobenzene	107	108	74 - 136	0	20		
1,2,4-Trichlorobenzene	106	107	70 - 131	1	20		
1,1,1-Trichloroethane	105	103	85 - 133	2	20		
1,1,2-Trichloroethane	93	95	82 - 125	2	20		
Trichloroethene	105	102	81 - 133	3	20		
Trichlorofluoromethane	118	120	71 - 139	2	20		
1,2,3-Trichloropropane	98	103	76 - 146	5	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	110	104	70 - 130	6	20		
1,2,4-Trimethylbenzene	105	109	84 - 131	4	20		
1,3,5-Trimethylbenzene	105	108	86 - 134	3	20		
Vinyl acetate	91	95	38 - 176	4	20		
Vinyl chloride	103	107	63 - 140	4	20		
m-Xylene & p-Xylene	101	103	79 - 146	2	20		
o-Xylene	96	99	84 - 140	3	20		

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79321/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1116
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79321/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/04/2010 1150
Date Prepared: 10/04/2010 0800

Analysis Batch: 720-79201
Prep Batch: 720-79321
Units: ug/Kg

Instrument ID: HP7
Lab File ID: 10041006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	107	102	73 - 162	5	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	100	65 - 117
1,2-Dichloroethane-d4 (Surr)	101	103	73 - 140
Toluene-d8 (Surr)	98	97	72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79321

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID:	LCS 720-79321/4-A	Analysis Batch: 720-79201	Instrument ID: HP7
Client Matrix:	Solid	Prep Batch: 720-79321	Lab File ID: 10041007.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	10/04/2010 1224		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 0800		

LCSD Lab Sample ID:	LCSD 720-79321/5-A	Analysis Batch: 720-79201	Instrument ID: HP7
Client Matrix:	Solid	Prep Batch: 720-79321	Lab File ID: 10041008.D
Dilution:	1.0	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed:	10/04/2010 1258		Final Weight/Volume: 10 mL
Date Prepared:	10/04/2010 0800		

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	83	84	68 - 115	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	103	65 - 117
1,2-Dichloroethane-d4 (Surr)	100	104	73 - 140
Toluene-d8 (Surr)	94	98	72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30837-2

Method Blank - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID:	MB 720-79235/1-A	Analysis Batch: 720-79206	Instrument ID: CHDRO5
Client Matrix:	Solid	Prep Batch: 720-79235	Lab File ID: 1004105b_061.d
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.12 g
Date Analyzed:	10/05/2010 0706		Final Weight/Volume: 2 mL
Date Prepared:	10/04/2010 1427		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	93	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID:	LCS 720-79235/2-A	Analysis Batch: 720-79206	Instrument ID: CHDRO5
Client Matrix:	Solid	Prep Batch: 720-79235	Lab File ID: 1004105b_059.d
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.21 g
Date Analyzed:	10/05/2010 0619		Final Weight/Volume: 2 mL
Date Prepared:	10/04/2010 1427		Injection Volume: 1 uL
			Column ID: PRIMARY

LCSD Lab Sample ID:	LCSD 720-79235/3-A	Analysis Batch: 720-79206	Instrument ID: CHDRO5
Client Matrix:	Solid	Prep Batch: 720-79235	Lab File ID: 1004105b_060.d
Dilution:	1.0	Units: mg/Kg	Initial Weight/Volume: 30.43 g
Date Analyzed:	10/05/2010 0642		Final Weight/Volume: 2 mL
Date Prepared:	10/04/2010 1427		Injection Volume: 1 uL
			Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	83	85	45 - 115	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	100	46 - 115

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID:	720-30865-A-3-D MS	Analysis Batch:	720-79276	Instrument ID:	CHDRO6
Client Matrix:	Solid	Prep Batch:	720-79235	Lab File ID:	FID1000012.D
Dilution:	1.0			Initial Weight/Volume:	30.42 g
Date Analyzed:	10/05/2010 1125			Final Weight/Volume:	2 mL
Date Prepared:	10/04/2010 1427			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	720-30865-A-3-E MSD	Analysis Batch:	720-79276	Instrument ID:	CHDRO6
Client Matrix:	Solid	Prep Batch:	720-79235	Lab File ID:	FID1000013.D
Dilution:	1.0			Initial Weight/Volume:	30.30 g
Date Analyzed:	10/05/2010 1147			Final Weight/Volume:	2 mL
Date Prepared:	10/04/2010 1427			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	55	73	50 - 130	28	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	93	46 - 115

CHAIN-OF-CUSTODY RECORD 720-30837 OAK 13207 127187

PROJECT NAME: Crown Chevrolet — DATE: 9/28/2010 — PAGE 1 OF 3
PROJECT NUMBER: OB1016000 70 — LABORATORY NAME: TA SF — CLIENT INFORMATION: Amec Geomatrix — REPORTING REQUIREMENTS:
RESULTS TO: A. Patton — LABORATORY ADDRESS:
TURNAROUND TIME: Standard
SAMPLE SHIPMENT METHOD: — LABORATORY CONTACT: Afsaneh — GEOTRACKER REQUIRED (YES) NO
LABORATORY PHONE NUMBER: — SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [signature]

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/mo*	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	9/28/2010	730	SB-10-11.5			X	X		8 oz glass jar	S	N	None	Y	N	1	
2		747	SB-10-9.0			X	X			S	N	None	Y	N	1	Hold
3		748	SB-10-10.5			X	X			S	N	None	Y	N	1	Hold
4		7:51	SB-10-4.0			X	X			S	N	None	Y	N	1	Hold
5		8:48	SB-10			X			32 oz Amber Jar	W	N	HCL	Y	N	1	
		8:48	SB			X				W	N	HCL	Y	N	1	
		8:48				X				W	N	None	Y	N	1	Filter@ lab
		8:48				X				W	N	None	Y	N	1	Filter@ lab
		8:48					X			W	N	None	Y	N	1	
		8:48					X			W	N	None	Y	N	1	
6		10:06	SB-06-3.0			X	X		8 oz glass jar	S	N	None	Y	N	1	
7		10:25	SB-06-11.0			X	X		8 oz glass jar	S	N	None	Y	N	1	
8		11:05	SB-06			X			32 oz Amber Jar	W	N	HCL	Y	N	2	
		11:05	SB-06			X				W	N	None	Y	N	2	Filter@ lab
		11:25	SB-06				X			W	N	None	Y	N	2	

TOTAL NUMBER OF CONTAINERS: 18

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [signature] PRINTED NAME: David Greenstein COMPANY: Amec Geomatrix	9/28/10	17:05	SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TA SF	9/28/10	1720
SIGNATURE: [signature] PRINTED NAME: Ed Martinez COMPANY: TA SF	9/28/10	1800	SIGNATURE: [signature] PRINTED NAME: [illegible] COMPANY: TA [illegible]	9/28/10	1800
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

SAMPLING COMMENTS: 720xi 57
* Silica Gel Prep for TPHd/mo
VOC, BTEX, MTBE, TPHg by 8260B
~~TPHd/mo~~ TPHd/mo by 8015 5.4°C 5.7°C 3.3°C
PAHs by 8270C SIM
Chromium by 6020

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

Geomatrix

CHAIN-OF-CUSTODY RECORD **720-30837** OAK 13208 127182

PROJECT NAME: CROWN CHEVROLET		DATE: 9/28/2010	PAGE 3 OF 3
PROJECT NUMBER: OD10160070	LABORATORY NAME: TASF	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: A. PATTON	LABORATORY ADDRESS:	Amec Geomatrix	
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED [✓ YES] NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/Mo	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
15	9/28/10	11:30	SB-05-0.7			X	X		8 oz glass jar	S	N	None	Y	N	1	
16		11:35	SB-05-2.0			X	X			S	N	None	Y	N	1	Hold
17		15:28	SB-09-11.8			X	X			S	N	None	Y	N	1	
18		15:30	SB-09-6.0			X	X			S	N	None	Y	N	1	HOLD
19		16:01	SB-03-1.3	X					40 ml VOA	S	N	DI Water	Y	N	2	HOLD
		16:01	SB-03-1.3	X						S	N	Methanol	Y	N	1	
20		15:58	SB-03-2.8	X						S	N	DI Water	Y	N	2	
		15:58	SB-03-2.8	X						S	N	Methanol	Y	N	1	
21		16:10	SB-03-3.2	X						S	N	DI Water	Y	N	2	
		16:10	SB-03-3.2	X						S	N	Methanol	Y	N	1	
22		1640	SB-03-11.5	X					40 ml VOA	S	N	DI Water	Y	N	2	
		16:40	SB-03-11.5	X						S	N	Methanol	Y	N	1	
23		16:55	SB-03-6.5	X						S	N	DI Water	Y	N	2	HOLD
		16:55	SB-03-6.5	X						S	N	Methanol	Y	N	1	HOLD
				BLANK LINE												

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	
SIGNATURE: [illegible]	9/28/10	17:05	SIGNATURE: [illegible]	9/28/10	1722	TOTAL NUMBER OF CONTAINERS: 19
PRINTED NAME: David Greenstein			PRINTED NAME: Ed Martinez			SAMPLING COMMENTS:
COMPANY: Amec Geomatrix			COMPANY: TASF			See page 1 of 3
SIGNATURE: Ed Martinez	9/28/10	1800	SIGNATURE: [illegible]	9/28/10	1800	
PRINTED NAME: Ed Martinez			PRINTED NAME: Muller			
COMPANY: TASF			COMPANY: [illegible]			
SIGNATURE:			SIGNATURE:			2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141 — Geomatrix
PRINTED NAME:			PRINTED NAME:			
COMPANY:			COMPANY:			

11/05/2010

CHAIN-OF-CUSTODY RECORD **720-30837** OAK 13209 127182

PROJECT NAME: CROWN CHEVROLET		DATE: 9/28/2010	PAGE 2 OF 3
PROJECT NUMBER: OD10160070	LABORATORY NAME: TASF	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: A. Patton	LABORATORY ADDRESS:	Amec Geomatrix	
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED [✓ YES] NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

ANALYSES

	DATE	TIME	SAMPLE NUMBER	VOC, TPHg, MTBE	BTEX, TPHg, MTBE	TPHd/Mo	PAH	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
	9/28	11:05	SB-06					X	Poly 250 mL	W	N	HNO3	Y	N	1	
		11:05	SB-06					X	Poly 250 mL	W	N	None	Y	N	1	
9		11:55	SB-12-12			X	X		8 oz glass jar	S	N	None	Y	N	1	
10		12:05	SB-05-11.5			X	X		8 oz glass jar	S	N	None	Y	N	1	
11		13:40	SB-12			X			32 oz Amber jar	W	N	HCL	Y	N	2	
						X				W	N	None	Y	N	2	filter@lab
							X			W	N	None	Y	N	2	
12		14:00	SB-09-3.0			X	X		8 oz glass jar	S	N	none	Y	N	1	HOLD
13		14:05	SB-09-4.9			X	X			S	N	none	Y	N	1	
14		14:20	SB-05			X				W	N	HCL	Y	N	2	
		14:20				X				W	N	None	Y	N	2	filter@lab
		14:20					X			W	N	None	Y	N	2	
		14:20						X		W	N	HNO3	Y	N	1	
		14:20						X		W	N	None	Y	N	1	
				BLANK LINE												

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME	
SIGNATURE: [illegible]	9/28/10	17:05	SIGNATURE: Ed Martinez	9/28/10	1722	TOTAL NUMBER OF CONTAINERS: 20
PRINTED NAME: David Greenstein			PRINTED NAME: Ed Martinez			SAMPLING COMMENTS:
COMPANY: Amec Geomatrix			COMPANY: TASF			See page 1 of 3
SIGNATURE: Ed Martinez	9/28/10	1800	SIGNATURE: [illegible]	9/28/10	1800	
PRINTED NAME: Ed Martinez			PRINTED NAME: Muller			
COMPANY: TASF			COMPANY: [illegible]			
SIGNATURE:			SIGNATURE:			2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141 — Geomatrix
PRINTED NAME:			PRINTED NAME:			
COMPANY:			COMPANY:			

11/05/2010

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Login Number: 30837
Creator: Mullen, Joan
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30837-3

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release
Afsaneh Salimpour
Project Manager I
11/12/2010 2:03 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/12/2010
Revision: 1

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
Per Client request amber glass bottle was filtered on 11/3/10 and then preserved with nitric acid and shipped to our Irvine lab to perform Dissolved Chromium by method 6020.

No other analytical or quality issues were noted.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project: 720-30837

Sampled: 09/28/10
Received: 11/04/10
Issued: 11/05/10 16:50

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITK0500-01	SB-06	Water
ITK0500-02	SB-05	Water

Reviewed By:

TestAmerica Irvine
Steven Garcia
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: 720-30837
Report Number: ITK0500

Sampled: 09/28/10
Received: 11/04/10

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0500-01 (SB-06 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020-Diss	10K0590	2.0	2.3 J-	1	11/4/2010	11/5/2010	
Sample ID: ITK0500-02 (SB-05 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020-Diss	10K0590	2.0	2.5 J-	1	11/4/2010	11/5/2010	

TestAmerica Irvine
Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: 720-30837
Report Number: ITK0500

Sampled: 09/28/10
Received: 11/04/10

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0590 Extracted: 11/04/10										
Blank Analyzed: 11/05/2010 (10K0590-BLK1)										
Chromium	ND	2.0	ug/l							
LCS Analyzed: 11/05/2010 (10K0590-BS1)										
Chromium	74.4	2.0	ug/l	80.0		93	80-120			
Matrix Spike Analyzed: 11/05/2010 (10K0590-MS1)					**Source: ITK0514-01**					
Chromium	78.1	2.0	ug/l	80.0	3.32	94	75-125			
Matrix Spike Dup Analyzed: 11/05/2010 (10K0590-MSD1)					**Source: ITK0514-01**					
Chromium	80.6	2.0	ug/l	80.0	3.32	97	75-125	3	20	

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: 720-30837
Report Number: ITK0500

Sampled: 09/28/10
Received: 11/04/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax (949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: 720-30837

Report Number: ITK0500

Sampled: 09/28/10
Received: 11/04/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020-Diss	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

ITK0500

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com	COC No: 720-10467.1
Company: TestAmerica Laboratories, Inc		Analysis Requested	Page: Page 1 of 1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 11/5/20'0		Job #: 720-30837-3
City: Irvine	TAT Requested (days):		Preservation Codes: A - HCl, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify), Other:
State, Zip: CA, 92614-5817			
Phone: 949-261-1022(Tel) 949-261-1228(Fax)	PO #:		
Email:	WO #:		
Project Name: Crown Chevrolet	Project #: 72006800		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Dissolved CR by method 6020	Total Number of containers	Special Instructions/Note:
			Preservation Code:				Field Filtered		
SB-05 (720-30837-8)	9/28/10	11:05 Pacific		Water			X		
SB-05 (720-30837-14)	9/28/10	14:20 Pacific		Water			X		

RUSH

Possible Hazard Identification: Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client, Disposal By Lab, Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11-03-2010 1630	SF			
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by: [signature]	11/4/10 10:25	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: RT | 11/12/2010

4AK2

720-30837-3
720-30865-2

Salimpour, Afsaneh

From: Stemler, Greg [Greg.Stemler@amec.com]
Sent: Wednesday, November 03, 2010 3:46 PM
To: Salimpour, Afsaneh
Cc: Patton, Avery
Subject: RE: EPA 7199

Afsaneh,
Please do send the following samples to Irvine:
SB-05 (720-30837#14)
SB-06 (720-30837#8)
SB-07 (720-30865#4)
SB-08 (720-30865#2)

We would like these samples run for total dissolved Chromium, however we want to confirm the analyses later tonight or tomorrow morning. We may request both filtered and unfiltered analysis.

For now, please send all the remaining unfiltered, unpreserved sample to Irvine.

Greg Stemler [Project Geologist] AMEC Geomatrix, Inc
The materials transmitted by this electronic mail are confidential, ...

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30865-1

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release.
Afsaneh Salimpour
Project Manager I
11/5/2010 8:52 AM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/05/2010
Revision: 3

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
Method(s) 7199: Client complaint received. Details are as follows:

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

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

GC/MS Semi VOA
Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch #79044 was outside control limits. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch #79141 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC Semi VOA

Samples for dissolved TPH(Diesel and Motor oil) were filtered at the lab using 0.7 micron glass fiber filter.

All samples for TPH(Diesel and Motor oil) were analysed with Silica Gel clean up using Method 3630C.

No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-30865-1	**SB-08-15.7**				
Naphthalene		5.6 J	5.0	ug/Kg	8270C SIM
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		1.1	0.99	mg/Kg	8015B
720-30865-2	**SB-08**				
Cr (VI)		1.1	0.50	ug/L	7199
Dissolved					
Diesel Range Organics [C10-C28]		~~1~~ 252 J B	52	ug/L	8015B
720-30865-4	**SB-07**				
Cr (VI)		1.7	0.50	ug/L	7199
Silica Gel Cleanup					
Diesel Range Organics [C10-C28]		10 J J	51	ug/L	8015B
Dissolved					
Diesel Range Organics [C10-C28]		~~1~~ 252 J B	52	ug/L	8015B
720-30865-5	**SB-03**				
Benzene		1.5	0.50	ug/L	8260B/CA_LUFTMS
Chlorobenzene		85	0.50	ug/L	8260B/CA_LUFTMS
1,2-Dichlorobenzene		42	0.50	ug/L	8260B/CA_LUFTMS
1,4-Dichlorobenzene		1.3	0.50	ug/L	8260B/CA_LUFTMS
cis-1,2-Dichloroethene		1.3	0.50	ug/L	8260B/CA_LUFTMS
Tetrachloroethene		3.2	0.50	ug/L	8260B/CA_LUFTMS
Trichloroethene		0.96	0.50	ug/L	8260B/CA_LUFTMS

METHOD SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Closed System Purge and Trap	TAL SF		SW846 5035
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Ultrasonic Extraction	TAL SF		SW846 3550B
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Ultrasonic Extraction	TAL SF		SW846 3550B
Matrix: Water			
8260B / CA LUFT MS	TAL SF	SW846 8260B/CA_LUFTMS	
Purge and Trap	TAL SF		SW846 5030B
Semivolatile Organic Compounds (GC/MS SIM)	TAL SF	SW846 8270C SIM	
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C
Diesel Range Organics (DRO) (GC)	TAL SF	SW846 8015B	
Sample Filtration	TAL SF		FILTRATION
Liquid-Liquid Extraction (Separatory Funnel)	TAL SF		SW846 3510C SGC
Chromium, Hexavalent (IC)	TAL SF	SW846 7199	
General Sub Contract Method	TAL IRV	Subcontract	

Lab References:

TAL IRV = TestAmerica Irvine

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Method	Analyst	Analyst ID
SW846 8260B/CA_LUFTMS	Chen, Amy	AC
SW846 8260B/CA_LUFTMS	Nguyen, Thuy M	TMN
SW846 8270C SIM	Lee, Michael	ML
SW846 8015B	Hayashi, Derek	DH
SW846 7199	Kojiro, Mariko J	MJK

SAMPLE SUMMARY

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-30865-1	SB-08-15.7	Solid	09/29/2010 0815	09/29/2010 1120
720-30865-2	SB-08	Water	09/29/2010 0900	09/29/2010 1120
720-30865-3	SB-07-13.2	Solid	09/29/2010 0930	09/29/2010 1120
720-30865-3MS	SB-07-13.2	Solid	09/29/2010 0930	09/29/2010 1120
720-30865-3MSD	SB-07-13.2	Solid	09/29/2010 0930	09/29/2010 1120
720-30865-4	SB-07	Water	09/29/2010 1000	09/29/2010 1120
720-30865-4MS	SB-07	Water	09/29/2010 1000	09/29/2010 1120
720-30865-4MSD	SB-07	Water	09/29/2010 1000	09/29/2010 1120
720-30865-5	SB-03	Water	09/28/2010 1728	09/29/2010 1120

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-08-15.7

Lab Sample ID: 720-30865-1 Date Sampled: 09/29/2010 0815
Client Matrix: Solid Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79012 Instrument ID: CHMSV2
Preparation: 5035 Prep Batch: 720-79131 Lab File ID: 09301013.D
Dilution: 1.0 Initial Weight/Volume: 5.221 g
Date Analyzed: 09/30/2010 1455 Final Weight/Volume: 10 mL
Date Prepared: 09/30/2010 0800

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Benzene		ND		4.8
Gasoline Range Organics (GRO)-C5-C12		ND		240
Ethylbenzene		ND		4.8
MTBE		ND		4.8
Toluene		ND		4.8
Xylenes, Total		ND		9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	83		65 - 117
1,2-Dichloroethane-d4 (Surr)	100		73 - 140
Toluene-d8 (Surr)	87		72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-08

Lab Sample ID: 720-30865-2 Date Sampled: 09/29/2010 0900
Client Matrix: Water Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79119 Instrument ID: SAT 3900A
Preparation: 5030B Lab File ID: 30852A2 10-1-2010
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 10/01/2010 2146 Final Weight/Volume: 10 mL
Date Prepared: 10/01/2010 2146

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Benzene	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		67 - 130
1,2-Dichloroethane-d4 (Surr)	82		67 - 130
Toluene-d8 (Surr)	89		70 - 130

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-03

Lab Sample ID: 720-30865-5 Date Sampled: 09/28/2010 1728
Client Matrix: Water Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79361 Instrument ID: HP5
Preparation: 5030B Lab File ID: 100610009.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 10/06/2010 1412 Final Weight/Volume: 10 mL
Date Prepared: 10/06/2010 1412

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		0.50
Acetone	ND		50
Benzene	1.5		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	85		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	42		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	1.3		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	1.3		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0

Analytical Data

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-03

Lab Sample ID: 720-30865-5 Date Sampled: 09/28/2010 1728
Client Matrix: Water Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79361 Instrument ID: HP5
Preparation: 5030B Lab File ID: 100610009.D
Dilution: 1.0 Initial Weight/Volume: 10 mL
Date Analyzed: 10/06/2010 1412 Final Weight/Volume: 10 mL
Date Prepared: 10/06/2010 1412

Analyte	Result (ug/L)	Qualifier	RL
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	3.2		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	0.96		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		10
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		67 - 130
1,2-Dichloroethane-d4 (Surr)	104		67 - 130
Toluene-d8 (Surr)	95		70 - 130

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-08-15.7

Lab Sample ID: 720-30865-1 Date Sampled: 09/29/2010 0815
Client Matrix: Solid Date Received: 09/29/2010 1120

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79121	Instrument ID: HP # 3
Preparation:	3550B	Prep Batch: 720-79044	Lab File ID: 100110025.D
Dilution:	1.0		Initial Weight/Volume: 30.25 g
Date Analyzed:	10/01/2010 2006		Final Weight/Volume: 1 mL
Date Prepared:	09/30/2010 1137		Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		5.6 J		5.0
Acenaphthene		ND UJ		5.0
Acenaphthylene		ND UJ		5.0
Fluorene		ND UJ		5.0
Phenanthrene		ND UJ		5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	92		33 - 120
Terphenyl-d14	108		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-08

Lab Sample ID: 720-30865-2 Date Sampled: 09/29/2010 0900
Client Matrix: Water Date Received: 09/29/2010 1120

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method:	8270C SIM	Analysis Batch: 720-79296	Instrument ID: SVOA HP 4
Preparation:	3510C	Prep Batch: 720-79141	Lab File ID: 10051007.D
Dilution:	1.0		Initial Weight/Volume: 970 mL
Date Analyzed:	10/05/2010 1229		Final Weight/Volume: 1 mL
Date Prepared:	10/01/2010 1436		Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND UJ		0.10
Indeno[1,2,3-cd]pyrene	ND UJ		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND UJ		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	63		29 - 120
Terphenyl-d14	99		45 - 120

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-07-13.2

Lab Sample ID: 720-30865-3 Date Sampled: 09/29/2010 0930
Client Matrix: Solid Date Received: 09/29/2010 1120

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C SIM Analysis Batch: 720-79121 Instrument ID: HP # 3
Preparation: 3550B Prep Batch: 720-79044 Lab File ID: 100110026.D
Dilution: 1.0 Initial Weight/Volume: 30.16 g
Date Analyzed: 10/01/2010 2029 Final Weight/Volume: 1 mL
Date Prepared: 09/30/2010 1137 Injection Volume: 1 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Naphthalene		ND	UJ	5.0
Acenaphthene		ND	UJ	5.0
Acenaphthylene		ND	UJ	5.0
Fluorene		ND	UJ	5.0
Phenanthrene		ND	UJ	5.0
Anthracene		ND		5.0
Benzo[a]anthracene		ND		5.0
Chrysene		ND		5.0
Benzo[a]pyrene		ND		5.0
Benzo[b]fluoranthene		ND		5.0
Benzo[k]fluoranthene		ND		5.0
Benzo[g,h,i]perylene		ND		5.0
Indeno[1,2,3-cd]pyrene		ND		5.0
Fluoranthene		ND		5.0
Pyrene		ND		5.0
Dibenz(a,h)anthracene		ND		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	91		33 - 120
Terphenyl-d14	104		35 - 146

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID: 720-30865-4 Date Sampled: 09/29/2010 1000
Client Matrix: Water Date Received: 09/29/2010 1120

8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Method: 8270C SIM Analysis Batch: 720-79296 Instrument ID: SVOA HP 4
Preparation: 3510C Prep Batch: 720-79141 Lab File ID: 10051008.D
Dilution: 1.0 Initial Weight/Volume: 990 mL
Date Analyzed: 10/05/2010 1253 Final Weight/Volume: 1 mL
Date Prepared: 10/01/2010 1436 Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND	UJ	0.10
Indeno[1,2,3-cd]pyrene	ND	UJ	0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND	UJ	0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	65		29 - 120
Terphenyl-d14	101		45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: **SB-08-15.7**

Lab Sample ID: 720-30865-1
Client Matrix: Solid

Date Sampled: 09/29/2010 0815
Date Received: 09/29/2010 1120

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

Method:	8015B	Analysis Batch: 720-79276	Instrument ID: CHDRO6
Preparation:	3550B	Prep Batch: 720-79235	Initial Weight/Volume: 30.31 g
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/05/2010 1851		Injection Volume: 1 uL
Date Prepared:	10/04/2010 1427		Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		1.1		0.99
Motor Oil Range Organics [C24-C36]		ND		49

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.1		0 - 5
p-Terphenyl	97		46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: **SB-08**

Lab Sample ID: 720-30865-2
Client Matrix: Water

Date Sampled: 09/29/2010 0900
Date Received: 09/29/2010 1120

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

Method:	8015B	Analysis Batch: 720-79523	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1041		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	ND		10	51
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.07		0 - 5
p-Terphenyl	93		31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-08

Lab Sample ID: 720-30865-2
Client Matrix: Water

Date Sampled: 09/29/2010 0900
Date Received: 09/29/2010 1120

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

Method: 8015B
Preparation: 3510C SGC
Dilution: 1.0
Date Analyzed: 10/04/2010 1129
Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205
Prep Batch: 720-79118

Instrument ID: CHDRO5
Initial Weight/Volume: 960 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~17~~ <52	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.3		0 - 5
p-Terphenyl	87		31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07-13.2

Lab Sample ID: 720-30865-3
Client Matrix: Solid

Date Sampled: 09/29/2010 0930
Date Received: 09/29/2010 1120

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

Method: 8015B
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 10/05/2010 1209
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		ND		1.0
Motor Oil Range Organics [C24-C36]		ND		50

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.03		0 - 5
p-Terphenyl	82		46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID: 720-30865-4 Date Sampled: 09/29/2010 1000
Client Matrix: Water Date Received: 09/29/2010 1120

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

Method:	8015B	Analysis Batch: 720-79523	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79462	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/08/2010 1105		Injection Volume: 1 uL
Date Prepared:	10/07/2010 1014		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	10 J	J	10	51
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	0.2		0 - 5
p-Terphenyl	100		31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID: 720-30865-4 Date Sampled: 09/29/2010 1000
Client Matrix: Water Date Received: 09/29/2010 1120

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

Method:	8015B	Analysis Batch: 720-79205	Instrument ID: CHDRO5
Preparation:	3510C SGC	Prep Batch: 720-79118	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 2 mL
Date Analyzed:	10/04/2010 1152		Injection Volume: 1 uL
Date Prepared:	10/01/2010 1004		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	~~15~~ 52	J B	11	52
Motor Oil Range Organics [C24-C36]	ND		130	310

Surrogate	%Rec	Qualifier	Acceptance Limits
Capric Acid (Surr)	1		0 - 5
p-Terphenyl	97		31 - 150

General Chemistry

Client Sample ID: **SB-08**

Lab Sample ID: 720-30865-2 Date Sampled: 09/29/2010 0900
Client Matrix: Water Date Received: 09/29/2010 1120

Analyte	Result	Qual	Units	RL	Dil	Method
Cr (VI)	1.1		ug/L	0.50	1.0	7199

Analysis Batch: 720-79060 Date Analyzed: 09/29/2010 1623

General Chemistry

Client Sample ID: **SB-07**

Lab Sample ID: 720-30865-4 Date Sampled: 09/29/2010 1000
Client Matrix: Water Date Received: 09/29/2010 1120

Analyte	Result	Qual	Units	RL	Dil	Method
Cr (VI)	1.7		ug/L	0.50	1.0	7199

Analysis Batch: 720-79060 Date Analyzed: 09/29/2010 1633

DATA REPORTING QUALIFIERS

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-79012					
LCS 720-79131/2-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79131
LCS 720-79131/4-A	Lab Control Sample	T	Solid	8260B/CA_LUFT	720-79131
LCSD 720-79131/3-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79131
LCSD 720-79131/5-A	Lab Control Sample Duplicate	T	Solid	8260B/CA_LUFT	720-79131
MB 720-79131/1-A	Method Blank	T	Solid	8260B/CA_LUFT	720-79131
720-30865-1	SB-08-15.7	T	Solid	8260B/CA_LUFT	720-79131
Analysis Batch:720-79119					
LCS 720-79119/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79119/9	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79119/10	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79119/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79119/6	Method Blank	T	Water	8260B/CA_LUFT	
720-30852-A-14 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30852-A-14 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	
720-30865-2	SB-08	T	Water	8260B/CA_LUFT	
Prep Batch: 720-79131					
LCS 720-79131/2-A	Lab Control Sample	T	Solid	5035	
LCS 720-79131/4-A	Lab Control Sample	T	Solid	5035	
LCSD 720-79131/3-A	Lab Control Sample Duplicate	T	Solid	5035	
LCSD 720-79131/5-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 720-79131/1-A	Method Blank	T	Solid	5035	
720-30865-1	SB-08-15.7	T	Solid	5035	
Analysis Batch:720-79361					
LCS 720-79361/5	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCS 720-79361/7	Lab Control Sample	T	Water	8260B/CA_LUFT	
LCSD 720-79361/6	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
LCSD 720-79361/8	Lab Control Sample Duplicate	T	Water	8260B/CA_LUFT	
MB 720-79361/4	Method Blank	T	Water	8260B/CA_LUFT	
720-30865-5	SB-03	T	Water	8260B/CA_LUFT	
720-30913-B-15 MS	Matrix Spike	T	Water	8260B/CA_LUFT	
720-30913-B-15 MSD	Matrix Spike Duplicate	T	Water	8260B/CA_LUFT	

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 720-79044					
LCS 720-79044/2-A	Lab Control Sample	T	Solid	3550B	
LCSD 720-79044/3-A	Lab Control Sample Duplicate	T	Solid	3550B	
MB 720-79044/1-A	Method Blank	T	Solid	3550B	
720-30865-1	SB-08-15.7	T	Solid	3550B	
720-30865-3	SB-07-13.2	T	Solid	3550B	
720-30865-3MS	Matrix Spike	T	Solid	3550B	
720-30865-3MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:720-79121					
LCS 720-79044/2-A	Lab Control Sample	T	Solid	8270C SIM	720-79044
LCSD 720-79044/3-A	Lab Control Sample Duplicate	T	Solid	8270C SIM	720-79044
MB 720-79044/1-A	Method Blank	T	Solid	8270C SIM	720-79044
720-30865-1	SB-08-15.7	T	Solid	8270C SIM	720-79044
720-30865-3	SB-07-13.2	T	Solid	8270C SIM	720-79044
720-30865-3MS	Matrix Spike	T	Solid	8270C SIM	720-79044
720-30865-3MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	720-79044
Prep Batch: 720-79141					
LCS 720-79141/2-A	Lab Control Sample	T	Water	3510C	
LCSD 720-79141/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 720-79141/1-A	Method Blank	T	Water	3510C	
720-30865-2	SB-08	T	Water	3510C	
720-30865-4	SB-07	T	Water	3510C	
720-30865-4MS	Matrix Spike	T	Water	3510C	
720-30865-4MSD	Matrix Spike Duplicate	T	Water	3510C	
Analysis Batch:720-79226					
LCS 720-79141/2-A	Lab Control Sample	T	Water	8270C SIM	720-79141
LCSD 720-79141/3-A	Lab Control Sample Duplicate	T	Water	8270C SIM	720-79141
MB 720-79141/1-A	Method Blank	T	Water	8270C SIM	720-79141
720-30865-4MS	Matrix Spike	T	Water	8270C SIM	720-79141
720-30865-4MSD	Matrix Spike Duplicate	T	Water	8270C SIM	720-79141
Analysis Batch:720-79296					
720-30865-2	SB-08	T	Water	8270C SIM	720-79141
720-30865-4	SB-07	T	Water	8270C SIM	720-79141

Report Basis
T = Total

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 720-79118					
LCS 720-79115/2-C	Lab Control Sample	D	Water	3510C SGC	
LCSD 720-79115/3-C	Lab Control Sample Duplicate	D	Water	3510C SGC	
MB 720-79115/1-C	Method Blank	D	Water	3510C SGC	
720-30865-2	SB-08	D	Water	3510C SGC	
720-30865-4	SB-07	D	Water	3510C SGC	
Analysis Batch:720-79205					
LCS 720-79115/2-C	Lab Control Sample	D	Water	8015B	720-79118
LCSD 720-79115/3-C	Lab Control Sample Duplicate	D	Water	8015B	720-79118
MB 720-79115/1-C	Method Blank	D	Water	8015B	720-79118
720-30865-2	SB-08	D	Water	8015B	720-79118
720-30865-4	SB-07	D	Water	8015B	720-79118
Analysis Batch:720-79206					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	8015B	720-79235
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	8015B	720-79235
MB 720-79235/1-A	Method Blank	A	Solid	8015B	720-79235
Prep Batch: 720-79235					
LCS 720-79235/2-A	Lab Control Sample	A	Solid	3550B	
LCSD 720-79235/3-A	Lab Control Sample Duplicate	A	Solid	3550B	
MB 720-79235/1-A	Method Blank	A	Solid	3550B	
720-30865-1	SB-08-15.7	A	Solid	3550B	
720-30865-3	SB-07-13.2	A	Solid	3550B	
720-30865-3MS	Matrix Spike	A	Solid	3550B	
720-30865-3MSD	Matrix Spike Duplicate	A	Solid	3550B	
Analysis Batch:720-79276					
720-30865-1	SB-08-15.7	A	Solid	8015B	720-79235
720-30865-3	SB-07-13.2	A	Solid	8015B	720-79235
720-30865-3MS	Matrix Spike	A	Solid	8015B	720-79235
720-30865-3MSD	Matrix Spike Duplicate	A	Solid	8015B	720-79235
Prep Batch: 720-79462					
LCS 720-79462/2-A	Lab Control Sample	A	Water	3510C SGC	
LCSD 720-79462/3-A	Lab Control Sample Duplicate	A	Water	3510C SGC	
MB 720-79462/1-A	Method Blank	A	Water	3510C SGC	
720-30865-2	SB-08	A	Water	3510C SGC	
720-30865-4	SB-07	A	Water	3510C SGC	
720-30865-4MS	Matrix Spike	A	Water	3510C SGC	
720-30865-4MSD	Matrix Spike Duplicate	A	Water	3510C SGC	

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:720-79523					
720-30865-2	SB-08	A	Water	8015B	720-79462
720-30865-4	SB-07	A	Water	8015B	720-79462
720-30865-4MS	Matrix Spike	A	Water	8015B	720-79462
720-30865-4MSD	Matrix Spike Duplicate	A	Water	8015B	720-79462
Analysis Batch:720-79524					
LCS 720-79462/2-A	Lab Control Sample	A	Water	8015B	720-79462
LCSD 720-79462/3-A	Lab Control Sample Duplicate	A	Water	8015B	720-79462
MB 720-79462/1-A	Method Blank	A	Water	8015B	720-79462

Report Basis
D = Dissolved
A = Silica Gel Cleanup

General Chemistry					
Analysis Batch:720-79060					
LCS 720-79060/3	Lab Control Sample	T	Water	7199	
LCSD 720-79060/4	Lab Control Sample Duplicate	T	Water	7199	
MB 720-79060/2	Method Blank	T	Water	7199	
720-30859-A-1 MS	Matrix Spike	T	Water	7199	
720-30859-A-1 MSD	Matrix Spike Duplicate	T	Water	7199	
720-30865-2	SB-08	T	Water	7199	
720-30865-4	SB-07	T	Water	7199	

Report Basis
T = Total

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79119/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1237
Date Prepared: 10/01/2010 1237

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: MB 10-1-2010 12;37;45 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		0.50
Methyl tert-butyl ether	ND		0.50
Ethylbenzene	ND		0.50
Toluene	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	67 - 130
Toluene-d8 (Surr)	89	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79119/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1303
Date Prepared: 10/01/2010 1303

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS 10-1-2010 1;03;14 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79119/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1328
Date Prepared: 10/01/2010 1328

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD 10-1-2010 1;28;41 PM
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	96	93	82 - 127	4	20		
Methyl tert-butyl ether	101	95	62 - 130	6	20		
Ethylbenzene	99	97	86 - 135	2	20		
Toluene	92	93	83 - 129	2	20		
m-Xylene & p-Xylene	97	98	70 - 142	1	20		
o-Xylene	102	102	89 - 136	0	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	91	67 - 130
1,2-Dichloroethane-d4 (Surr)	88	84	67 - 130
Toluene-d8 (Surr)	94	91	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79119/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1354
Date Prepared: 10/01/2010 1354

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCS G 10-1-2010 1;54;05 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79119/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1419
Date Prepared: 10/01/2010 1419

Analysis Batch: 720-79119
Prep Batch: N/A
Units: ug/L

Instrument ID: SAT 3900A
Lab File ID: LCSD G 10-1-2010 2;19;31 I
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	94	91	62 - 117	4	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	100	67 - 130
1,2-Dichloroethane-d4 (Surr)	87	89	67 - 130
Toluene-d8 (Surr)	97	90	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79119

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-30852-A-14 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1749
Date Prepared: 10/01/2010 1749

Analysis Batch: 720-79119
Prep Batch: N/A

Instrument ID: SAT 3900A
Lab File ID: 30852A14MS 10-1-2010
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30852-A-14 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/01/2010 1814
Date Prepared: 10/01/2010 1814

Analysis Batch: 720-79119
Prep Batch: N/A

Instrument ID: SAT 3900A
Lab File ID: 30852A14MSD 10-1-2010
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	91	88	60 - 140	3	20		
Methyl tert-butyl ether	98	94	60 - 138	4	20		
Ethylbenzene	96	96	60 - 140	0	20		
Toluene	88	91	60 - 140	3	20		
m-Xylene & p-Xylene	94	100	60 - 140	7	20		
o-Xylene	96	96	60 - 140	1	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	90	90	67 - 130
1,2-Dichloroethane-d4 (Surr)	84	87	67 - 130
Toluene-d8 (Surr)	90	92	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79131

Method: 8260B/CA_LUFTMS
Preparation: 5035

Lab Sample ID: MB 720-79131/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1010
Date Prepared: 09/30/2010 0800

Analysis Batch: 720-79012
Prep Batch: 720-79131
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 09301004.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Benzene	ND		5.0
MTBE	ND		5.0
Ethylbenzene	ND		5.0
Toluene	ND		5.0
m-Xylene & p-Xylene	ND		5.0
Xylenes, Total	ND		10
Gasoline Range Organics (GRO)-C5-C12	ND		250

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	90	65 - 117
1,2-Dichloroethane-d4 (Surr)	101	73 - 140
Toluene-d8 (Surr)	89	72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79131

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79131/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1041
Date Prepared: 09/30/2010 0800

Analysis Batch: 720-79012
Prep Batch: 720-79131
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 09301005.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79131/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1112
Date Prepared: 09/30/2010 0800

Analysis Batch: 720-79012
Prep Batch: 720-79131
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 09301006.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	86	87	82 - 124	1	20		
MTBE	92	94	71 - 144	2	20		
Ethylbenzene	96	98	80 - 137	2	20		
Toluene	91	92	83 - 128	1	20		
m-Xylene & p-Xylene	93	94	79 - 146	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	95	65 - 117
1,2-Dichloroethane-d4 (Surr)	96	97	73 - 140
Toluene-d8 (Surr)	91	91	72 - 113

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79131

Method: 8260B/CA_LUFTMS
Preparation: 5035

LCS Lab Sample ID: LCS 720-79131/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1144
Date Prepared: 09/30/2010 0800

Analysis Batch: 720-79012
Prep Batch: 720-79131
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 09301007.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79131/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/30/2010 1215
Date Prepared: 09/30/2010 0800

Analysis Batch: 720-79012
Prep Batch: 720-79131
Units: ug/Kg

Instrument ID: CHMSV2
Lab File ID: 09301008.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	92	90	68 - 115	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	96	97	65 - 117
1,2-Dichloroethane-d4 (Surr)	102	103	73 - 140
Toluene-d8 (Surr)	92	92	72 - 113

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79361/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1118
Date Prepared: 10/06/2010 1118

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Methyl tert-butyl ether	ND		0.50
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

Lab Sample ID: MB 720-79361/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1118
Date Prepared: 10/06/2010 1118

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610004.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		10
Vinyl chloride	ND		0.50
m-Xylene & p-Xylene	ND		1.0
o-Xylene	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50
Gasoline Range Organics (GRO)-C5-C12	ND		50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	67 - 130
1,2-Dichloroethane-d4 (Surr)	108	67 - 130
Toluene-d8 (Surr)	96	70 - 130

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79361/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1151
Date Prepared: 10/06/2010 1151

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79361/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1223
Date Prepared: 10/06/2010 1223

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	93	99	50 - 147	6	30		
Benzene	99	100	82 - 127	2	20		
Dichlorobromomethane	108	110	70 - 130	2	20		
Bromobenzene	107	108	79 - 127	1	20		
Methyl tert-butyl ether	109	113	62 - 130	3	20		
Chlorobromomethane	108	111	70 - 130	2	20		
Bromoform	94	99	68 - 136	6	20		
Bromomethane	98	104	43 - 151	5	20		
2-Butanone (MEK)	104	110	56 - 135	5	20		
n-Butylbenzene	113	115	70 - 130	1	20		
sec-Butylbenzene	109	111	70 - 130	1	20		
tert-Butylbenzene	110	111	70 - 130	1	20		
Carbon disulfide	104	107	78 - 126	3	20		
Carbon tetrachloride	111	113	77 - 146	2	20		
Chlorobenzene	98	103	70 - 130	5	20		
Chloroethane	103	109	62 - 138	6	20		
Chloroform	104	106	70 - 130	2	20		
Chloromethane	98	104	52 - 175	6	20		
2-Chlorotoluene	107	110	70 - 130	2	20		
4-Chlorotoluene	108	109	70 - 130	0	20		
Chlorodibromomethane	104	106	78 - 145	2	20		
1,2-Dichlorobenzene	105	105	70 - 130	1	20		
1,3-Dichlorobenzene	105	106	70 - 130	1	20		
1,4-Dichlorobenzene	101	102	82 - 113	1	20		
1,3-Dichloropropane	113	116	86 - 135	3	20		
1,1-Dichloropropene	106	108	70 - 130	2	20		
1,2-Dibromo-3-Chloropropane	88	91	61 - 132	3	20		
Ethylene Dibromide	112	115	70 - 130	2	20		
Dibromomethane	113	116	70 - 130	2	20		
Dichlorodifluoromethane	92	97	33 - 125	5	20		
1,1-Dichloroethane	101	104	70 - 130	2	20		
1,2-Dichloroethane	109	111	70 - 126	2	20		
1,1-Dichloroethene	97	100	64 - 128	3	20		

Quality Control Results

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID: LCS 720-79361/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1151
Date Prepared: 10/06/2010 1151

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610005.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79361/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1223
Date Prepared: 10/06/2010 1223

Analysis Batch: 720-79361
Prep Batch: N/A
Units: ug/L

Instrument ID: HP5
Lab File ID: 100610006.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
cis-1,2-Dichloroethene	111	112	70 - 130	2	20		
trans-1,2-Dichloroethene	101	103	75 - 131	2	20		
1,2-Dichloropropane	108	110	70 - 130	2	20		
cis-1,3-Dichloropropene	105	107	70 - 130	2	20		
trans-1,3-Dichloropropene	105	107	70 - 130	2	20		
Ethylbenzene	102	107	86 - 135	5	20		
Hexachlorobutadiene	99	101	70 - 130	2	20		
2-Hexanone	101	106	60 - 164	4	20		
Isopropylbenzene	106	111	70 - 130	5	20		
4-Isopropyltoluene	106	107	70 - 130	1	20		
Methylene Chloride	103	106	73 - 147	3	20		
4-Methyl-2-pentanone (MIBK)	106	110	63 - 165	4	20		
Naphthalene	101	104	78 - 122	3	20		
N-Propylbenzene	106	107	70 - 130	1	20		
Styrene	109	115	70 - 130	5	20		
1,1,1,2-Tetrachloroethane	117	123	70 - 130	5	20		
1,1,2,2-Tetrachloroethane	120	122	70 - 130	1	20		
Tetrachloroethene	98	99	70 - 130	2	20		
Toluene	93	97	83 - 129	5	20		
1,2,3-Trichlorobenzene	107	109	70 - 130	2	20		
1,2,4-Trichlorobenzene	103	105	70 - 130	2	20		
1,1,1-Trichloroethane	108	111	70 - 130	2	20		
1,1,2-Trichloroethane	117	120	86 - 135	2	20		
Trichloroethene	97	99	70 - 130	2	20		
Trichlorofluoromethane	111	114	74 - 146	3	20		
1,2,3-Trichloropropane	116	118	70 - 130	2	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	95	97	42 - 162	2	20		
1,2,4-Trimethylbenzene	115	117	70 - 132	1	20		
1,3,5-Trimethylbenzene	113	114	70 - 130	1	20		
Vinyl acetate	102	103	37 - 134	0	20		
Vinyl chloride	92	97	65 - 156	5	20		
m-Xylene & p-Xylene	104	109	70 - 142	5	20		
o-Xylene	106	111	89 - 136	5	20		

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-79361/5	Analysis Batch: 720-79361	Instrument ID: HP5
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 100610005.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1151		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1151		

LCSD Lab Sample ID:	LCSD 720-79361/6	Analysis Batch: 720-79361	Instrument ID: HP5
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 100610006.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1223		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1223		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,2-Dichloropropane	109	112	70 - 140	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	106	67 - 130
1,2-Dichloroethane-d4 (Surr)	104	106	67 - 130
Toluene-d8 (Surr)	99	99	70 - 130

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

LCS Lab Sample ID:	LCS 720-79361/7	Analysis Batch: 720-79361	Instrument ID: HP5
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 100610007.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1256		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1256		

LCSD Lab Sample ID:	LCSD 720-79361/8	Analysis Batch: 720-79361	Instrument ID: HP5
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: 100610008.D
Dilution:	1.0	Units: ug/L	Initial Weight/Volume: 10 mL
Date Analyzed:	10/06/2010 1328		Final Weight/Volume: 10 mL
Date Prepared:	10/06/2010 1328		

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C5-C12	93	91	62 - 117	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	107	67 - 130
1,2-Dichloroethane-d4 (Surr)	108	111	67 - 130
Toluene-d8 (Surr)	100	99	70 - 130

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-30913-B-15 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1832
Date Prepared: 10/06/2010 1832

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610017.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30913-B-15 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1905
Date Prepared: 10/06/2010 1905

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610018.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	67	67	60 - 140	1	20		
Benzene	98	99	60 - 140	1	20		
Dichlorobromomethane	108	109	60 - 140	1	20		
Bromobenzene	107	107	60 - 140	0	20		
Methyl tert-butyl ether	112	113	60 - 138	0	20		
Chlorobromomethane	109	110	60 - 140	0	20		
Bromoform	98	96	56 - 140	2	20		
Bromomethane	96	96	23 - 140	1	20		
2-Butanone (MEK)	93	92	60 - 140	1	20		
n-Butylbenzene	110	112	60 - 140	2	20		
sec-Butylbenzene	107	108	60 - 140	1	20		
tert-Butylbenzene	108	109	60 - 140	1	20		
Carbon disulfide	101	103	38 - 140	2	20		
Carbon tetrachloride	107	110	60 - 140	3	20		
Chlorobenzene	101	99	60 - 140	2	20		
Chloroethane	104	104	51 - 140	0	20		
Chloroform	104	105	60 - 140	1	20		
Chloromethane	98	97	52 - 140	1	20		
2-Chlorotoluene	107	107	60 - 140	0	20		
4-Chlorotoluene	107	107	60 - 140	0	20		
Chlorodibromomethane	104	106	60 - 140	2	20		
1,2-Dichlorobenzene	105	106	60 - 140	1	20		
1,3-Dichlorobenzene	104	105	60 - 140	1	20		
1,4-Dichlorobenzene	101	102	60 - 140	1	20		
1,3-Dichloropropane	115	115	60 - 140	0	20		
1,1-Dichloropropene	104	105	60 - 140	2	20		
1,2-Dibromo-3-Chloropropane	88	89	60 - 140	1	20		
Ethylene Dibromide	114	115	60 - 140	1	20		
Dibromomethane	114	115	60 - 140	0	20		
Dichlorodifluoromethane	98	97	38 - 140	1	20		

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-30913-B-15 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1832
Date Prepared: 10/06/2010 1832

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610017.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30913-B-15 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1905
Date Prepared: 10/06/2010 1905

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610018.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	101	102	60 - 140	1	20		
1,2-Dichloroethane	110	110	60 - 140	0	20		
1,1-Dichloroethene	94	96	60 - 140	3	20		
cis-1,2-Dichloroethene	111	111	60 - 140	0	20		
trans-1,2-Dichloroethene	100	101	60 - 140	1	20		
1,2-Dichloropropane	109	110	60 - 140	1	20		
cis-1,3-Dichloropropene	105	106	60 - 140	1	20		
trans-1,3-Dichloropropene	106	105	60 - 140	0	20		
Ethylbenzene	104	103	60 - 140	2	20		
Hexachlorobutadiene	96	99	60 - 140	3	20		
2-Hexanone	96	96	60 - 140	0	20		
Isopropylbenzene	108	106	60 - 140	2	20		
4-Isopropyltoluene	104	105	60 - 140	1	20		
Methylene Chloride	101	103	40 - 140	2	20		
4-Methyl-2-pentanone (MIBK)	110	109	60 - 140	1	20		
Naphthalene	103	105	56 - 140	2	20		
N-Propylbenzene	104	105	60 - 140	1	20		
Styrene	108	92	60 - 140	17	20		
1,1,1,2-Tetrachloroethane	121	118	60 - 140	2	20		
1,1,2,2-Tetrachloroethane	123	122	60 - 140	1	20		
Tetrachloroethene	95	96	60 - 140	1	20		
Toluene	96	93	60 - 140	3	20		
1,2,3-Trichlorobenzene	107	111	60 - 140	4	20		
1,2,4-Trichlorobenzene	102	107	60 - 140	3	20		
1,1,1-Trichloroethane	108	109	60 - 140	1	20		
1,1,2-Trichloroethane	119	119	60 - 140	0	20		
Trichloroethene	94	94	60 - 140	0	20		
Trichlorofluoromethane	109	109	60 - 140	0	20		
1,2,3-Trichloropropane	119	117	60 - 140	1	20		
1,1,2-Trichloro-1,2,2-trifluoroethane	91	93	60 - 140	2	20		

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA_LUFTMS
Preparation: 5030B

MS Lab Sample ID: 720-30913-B-15 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1832
Date Prepared: 10/06/2010 1832

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610017.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30913-B-15 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/06/2010 1905
Date Prepared: 10/06/2010 1905

Analysis Batch: 720-79361
Prep Batch: N/A

Instrument ID: HP5
Lab File ID: 100610018.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trimethylbenzene	113	113	60 - 140	0	20		
1,3,5-Trimethylbenzene	111	112	60 - 140	1	20		
Vinyl acetate	98	96	40 - 140	1	20		
Vinyl chloride	93	93	58 - 140	0	20		
m-Xylene & p-Xylene	107	105	60 - 140	2	20		
o-Xylene	110	107	60 - 140	3	20		
2,2-Dichloropropane	106	104	60 - 140	2	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	106	102	67 - 130
1,2-Dichloroethane-d4 (Surr)	106	106	67 - 130
Toluene-d8 (Surr)	99	99	70 - 130

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Method Blank - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

Lab Sample ID: MB 720-79044/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1725
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044
Units: ug/Kg

Instrument ID: HP # 3
Lab File ID: 100110018.D
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		5.0
Acenaphthene	ND		5.0
Acenaphthylene	ND		5.0
Fluorene	ND		5.0
Phenanthrene	ND		5.0
Anthracene	ND		5.0
Benzo[a]anthracene	ND		5.0
Chrysene	ND		5.0
Benzo[a]pyrene	ND		5.0
Benzo[b]fluoranthene	ND		5.0
Benzo[k]fluoranthene	ND		5.0
Benzo[g,h,i]perylene	ND		5.0
Indeno[1,2,3-cd]pyrene	ND		5.0
Fluoranthene	ND		5.0
Pyrene	ND		5.0
Dibenz(a,h)anthracene	ND		5.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	90	33 - 120
Terphenyl-d14	106	35 - 146

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

LCS Lab Sample ID: LCS 720-79044/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1639
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044
Units: ug/Kg

Instrument ID: HP # 3
Lab File ID: 100110016.D
Initial Weight/Volume: 30.18 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-79044/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 1702
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044
Units: ug/Kg

Instrument ID: HP # 3
Lab File ID: 100110017.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	88	85	46 - 120	3	20		
Acenaphthene	80	86	49 - 120	7	20		
Acenaphthylene	89	88	52 - 120	0	20		
Fluorene	112	110	52 - 120	2	20		
Phenanthrene	94	92	48 - 120	1	20		
Anthracene	95	94	52 - 120	1	20		
Benzo[a]anthracene	86	83	52 - 120	4	20		
Chrysene	101	100	54 - 120	1	20		
Benzo[a]pyrene	99	98	54 - 120	1	20		
Benzo[b]fluoranthene	89	88	51 - 120	1	20		
Benzo[k]fluoranthene	110	104	56 - 120	5	20		
Benzo[g,h,i]perylene	92	93	48 - 120	1	20		
Indeno[1,2,3-cd]pyrene	98	99	48 - 120	1	20		
Fluoranthene	105	103	57 - 120	2	20		
Pyrene	93	91	53 - 120	2	20		
Dibenz(a,h)anthracene	97	98	50 - 120	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	94	91	33 - 120
Terphenyl-d14	103	101	35 - 146

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79044

Method: 8270C SIM
Preparation: 3550B

MS Lab Sample ID: 720-30865-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 2051
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044

Instrument ID: HP # 3
Lab File ID: 100110027.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 720-30865-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/01/2010 2114
Date Prepared: 09/30/2010 1137

Analysis Batch: 720-79121
Prep Batch: 720-79044

Instrument ID: HP # 3
Lab File ID: 100110028.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Naphthalene	60	74	32 - 120	21	20		F
Acenaphthene	58	78	33 - 120	29	20		F
Acenaphthylene	59	86	28 - 120	37	20		F
Fluorene	78	107	35 - 120	32	20		F
Phenanthrene	67	86	28 - 120	25	20		F
Anthracene	73	87	36 - 120	18	20		
Benzo[a]anthracene	70	81	29 - 120	15	20		
Chrysene	82	93	29 - 120	12	20		
Benzo[a]pyrene	81	91	24 - 120	11	20		
Benzo[b]fluoranthene	76	85	17 - 132	11	20		
Benzo[k]fluoranthene	83	96	35 - 120	14	20		
Benzo[g,h,i]perylene	82	92	21 - 120	12	20		
Indeno[1,2,3-cd]pyrene	87	98	20 - 126	12	20		
Fluoranthene	86	96	24 - 120	12	20		
Pyrene	76	87	24 - 123	14	20		
Dibenz(a,h)anthracene	86	98	36 - 120	12	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	56	81	33 - 120
Terphenyl-d14	85	97	35 - 146

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79141

Method: 8270C SIM
Preparation: 3510C

Lab Sample ID: MB 720-79141/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1408
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041007.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Naphthalene	ND		1.0
Acenaphthene	ND		0.10
Acenaphthylene	ND		0.10
Fluorene	ND		0.10
Phenanthrene	ND		0.10
Anthracene	ND		0.10
Benzo[a]anthracene	ND		0.10
Chrysene	ND		0.10
Benzo[a]pyrene	ND		0.10
Benzo[b]fluoranthene	ND		0.10
Benzo[k]fluoranthene	ND		0.10
Benzo[g,h,i]perylene	ND		0.10
Indeno[1,2,3-cd]pyrene	ND		0.10
Fluoranthene	ND		0.10
Pyrene	ND		0.10
Dibenz(a,h)anthracene	ND		0.10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	75	29 - 120
Terphenyl-d14	101	45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79141

Method: 8270C SIM
Preparation: 3510C

LCS Lab Sample ID: LCS 720-79141/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1320
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041005.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 720-79141/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1344
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141
Units: ug/L

Instrument ID: SVOA HP 4
Lab File ID: 10041006.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Naphthalene	70	57	33 - 120	21	35		
Acenaphthene	75	59	37 - 120	25	35		
Acenaphthylene	72	56	36 - 120	25	35		
Fluorene	91	71	39 - 120	25	35		
Phenanthrene	86	66	44 - 120	26	35		
Anthracene	85	70	45 - 120	19	35		
Benzo[a]anthracene	93	93	48 - 120	1	35		
Chrysene	105	101	52 - 120	4	35		
Benzo[a]pyrene	103	101	50 - 120	2	35		
Benzo[b]fluoranthene	107	110	48 - 120	2	35		
Benzo[k]fluoranthene	101	94	50 - 120	7	35		
Benzo[g,h,i]perylene	92	90	49 - 120	1	35		
Indeno[1,2,3-cd]pyrene	96	94	48 - 120	2	35		
Fluoranthene	95	86	46 - 120	10	35		
Pyrene	95	87	50 - 120	9	35		
Dibenz(a,h)anthracene	95	93	48 - 101	2	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2-Fluorobiphenyl	76	60	29 - 120
Terphenyl-d14	98	96	45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79141

Method: 8270C SIM
Preparation: 3510C

MS Lab Sample ID: 720-30865-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1431
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141

Instrument ID: SVOA HP 4
Lab File ID: 10041008.D
Initial Weight/Volume: 970 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 720-30865-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 1455
Date Prepared: 10/01/2010 1436

Analysis Batch: 720-79226
Prep Batch: 720-79141

Instrument ID: SVOA HP 4
Lab File ID: 10041009.D
Initial Weight/Volume: 970 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Naphthalene	58	59	36 - 120	0	35		
Acenaphthene	62	61	40 - 120	2	35		
Acenaphthylene	59	59	39 - 120	1	35		
Fluorene	71	71	44 - 120	0	35		
Phenanthrene	62	62	44 - 120	0	35		
Anthracene	67	66	48 - 120	2	35		
Benzo[a]anthracene	86	84	48 - 120	3	35		
Chrysene	99	93	52 - 120	6	35		
Benzo[a]pyrene	72	60	50 - 120	18	35		
Benzo[b]fluoranthene	78	74	48 - 120	6	35		
Benzo[k]fluoranthene	71	58	50 - 120	21	35		
Benzo[g,h,i]perylene	36	31	49 - 120	16	35	F	F
Indeno[1,2,3-cd]pyrene	40	34	48 - 120	16	35	F	F
Fluoranthene	81	81	52 - 120	0	35		
Pyrene	81	81	50 - 120	0	35		
Dibenz(a,h)anthracene	33	28	48 - 120	14	35	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	63	63	29 - 120
Terphenyl-d14	87	80	45 - 120

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79118

Method: 8015B
Preparation: 3510C SGC Dissolved

Lab Sample ID: MB 720-79115/1-C
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 0955
Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205
Prep Batch: 720-79118
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1004105a_009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	18.6	J	10	50
Motor Oil Range Organics [C24-C36]	ND		130	300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.1	0 - 5
p-Terphenyl	94	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79118

Method: 8015B
Preparation: 3510C SGC Dissolved

LCS Lab Sample ID: LCS 720-79115/2-C
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 0909
Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205
Prep Batch: 720-79118
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1004105a_007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79115/3-C
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/04/2010 0932
Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205
Prep Batch: 720-79118
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1004105a_008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	66	58	32 - 119	12	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	91	88	31 - 150

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Method Blank - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

Lab Sample ID: MB 720-79235/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0706
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_061.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		1.0
Motor Oil Range Organics [C24-C36]	ND		50

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.2	0 - 5
p-Terphenyl	93	46 - 115

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79235/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0619
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_059.d
Initial Weight/Volume: 30.21 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79235/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 0642
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79206
Prep Batch: 720-79235
Units: mg/Kg

Instrument ID: CHDRO5
Lab File ID: 1004105b_060.d
Initial Weight/Volume: 30.43 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	83	85	45 - 115	1	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	103	100	46 - 115

Client: AMEC Geomatrix Inc. Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B
Preparation: 3550B
Silica Gel Cleanup

MS Lab Sample ID: 720-30865-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1125
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000012.D
Initial Weight/Volume: 30.42 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-30865-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/05/2010 1147
Date Prepared: 10/04/2010 1427

Analysis Batch: 720-79276
Prep Batch: 720-79235

Instrument ID: CHDRO6
Lab File ID: FID1000013.D
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	55	73	50 - 130	28	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	93	93	46 - 115

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79462

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

Lab Sample ID: MB 720-79462/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 0932
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	ND		50
Motor Oil Range Organics [C24-C36]	ND		300

Surrogate	% Rec	Acceptance Limits
Capric Acid (Surr)	0.3	0 - 5
p-Terphenyl	95	31 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79462

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

LCS Lab Sample ID: LCS 720-79462/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 0955
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_008.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79462/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 1018
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524
Prep Batch: 720-79462
Units: ug/L

Instrument ID: CHDRO5
Lab File ID: 1008105b_009.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	49	44	32 - 119	9	35		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
p-Terphenyl	105	117	31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79462

Method: 8015B
Preparation: 3510C SGC
Silica Gel Cleanup

MS Lab Sample ID: 720-30865-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 1128
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79523
Prep Batch: 720-79462

Instrument ID: CHDRO5
Lab File ID: 1008105a_012.d
Initial Weight/Volume: 990 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 720-30865-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/08/2010 1152
Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79523
Prep Batch: 720-79462

Instrument ID: CHDRO5
Lab File ID: 1008105a_013.d
Initial Weight/Volume: 980 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	55	56	32 - 119	2	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
p-Terphenyl	95	92	31 - 150

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Method Blank - Batch: 720-79060

Method: 7199
Preparation: N/A

Lab Sample ID: MB 720-79060/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1521
Date Prepared: N/A

Analysis Batch: 720-79060
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092910.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Cr (VI)	ND		0.50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 720-79060

Method: 7199
Preparation: N/A

LCS Lab Sample ID: LCS 720-79060/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1531
Date Prepared: N/A

Analysis Batch: 720-79060
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092910.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79060/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1541
Date Prepared: N/A

Analysis Batch: 720-79060
Prep Batch: N/A
Units: ug/L

Instrument ID: IC3
Lab File ID: 092910.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cr (VI)	101	98	85 - 115	3	20		

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-79060

Method: 7199
Preparation: N/A

MS Lab Sample ID: 720-30859-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1643
Date Prepared: N/A

Analysis Batch: 720-79060
Prep Batch: N/A

Instrument ID: IC3
Lab File ID: 092910.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30859-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/29/2010 1653
Date Prepared: N/A

Analysis Batch: 720-79060
Prep Batch: N/A

Instrument ID: IC3
Lab File ID: 092910.csv
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	111	100	80 - 120	10	20		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project: N/A-Misc.
720-30865

Sampled: 09/29/10
Received: 10/01/10
Issued: 10/08/10 16:20

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITJ0043-01	SB-08	Water
ITJ0043-02	SB-07	Water

Reviewed By:

TestAmerica Irvine
Kathleen A. Robb For Steven Garcia
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITJ0043

Sampled: 09/29/10
Received: 10/01/10

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ0043-01 (SB-08 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020	10J0140	2.0	**23**	1	10/2/2010	10/2/2010	
Sample ID: ITJ0043-02 (SB-07 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020	10J0140	2.0	**44**	1	10/2/2010	10/2/2010	

TestAmerica Irvine
Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITJ0043

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0140 Extracted: 10/02/10										
Blank Analyzed: 10/02/2010 (10J0140-BLK1)										
Chromium	ND	2.0	ug/l							
LCS Analyzed: 10/02/2010 (10J0140-BS1)										
Chromium	81.0	2.0	ug/l	80.0		101	80-120			
Matrix Spike Analyzed: 10/02/2010 (10J0140-MS1)					**Source: ITJ0043-02**					
Chromium	117	2.0	ug/l	80.0	43.9	91	75-125			
Matrix Spike Dup Analyzed: 10/02/2010 (10J0140-MSD1)					**Source: ITJ0043-02**					
Chromium	111	2.0	ug/l	80.0	43.9	83	75-125	6	20	

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITJ0043

Sampled: 09/29/10
Received: 10/01/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITJ0043

Sampled: 09/29/10
Received: 10/01/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

ITJ0043

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com	COC No: 720-10130.1
Company: TestAmerica Laboratories, Inc			Page: Page 1 of 1
Address: 1746 Derian Ave, Suite 100,	Due Date Requested: 10/5/2010	Analysis Requested	Job #: 720-30865-1
City: Irvine	TAT Requested (days):		Preservation Codes:
State, Zip: CA, 92614-5817	PO #:		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:
Phone: 949-261-1022(Tel) 949-261-1228(Fax)	WO #:		
Email:	Project #: 72006900		
Project Name: Crown Chevrolet	SSOW#:		
Site:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT Cr by 6020	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SB-06 (720-30865-2)	9/29/10	09:00 Pacific		Water			X		
SB-07 (720-30865-4)	9/29/10	10:00 Pacific		Water		Y	X		ms/msd

Possible Hazard Identification: Non-Hazard; Flammable; Skin Irritant; Poison B; Unknown; Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client; Disposal By Lab; Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 9/30/10 1630	Company: TAI	Received by:	Date/Time: 10/1/10 1130	Company: TAI
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.2

CHAIN-OF-CUSTODY RECORD 720-30865 OAK 15814

PROJECT NAME: Crown Chevrolet			DATE: 9/28/2010 PAGE 1 OF 1
PROJECT NUMBER:	LABORATORY NAME: TASF	CLIENT INFORMATION:	REPORTING REQUIREMENTS:
RESULTS TO: A. Patton	LABORATORY ADDRESS:		
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED [✓ YES] NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

DATE	TIME	SAMPLE NUMBER	ANALYSES: VOC, TPHg	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9/28/10	17:28	SB-03	X	40mL VOA	W		HCl	Y		3	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [illegible] PRINTED NAME: Greg Sterla COMPANY: Amec	9/29/10	1100	SIGNATURE: [illegible] PRINTED NAME: Ed Martinez COMPANY:	9/29/10	11:00am
SIGNATURE: [illegible] PRINTED NAME: Ed Martinez COMPANY: TASF	9/29/10	1120	SIGNATURE: [illegible] PRINTED NAME: Mullen COMPANY: Cal Amer	9/29/10	1120
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:
VOC, TPHg by 8260B
5.5°C/4.0°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

CHAIN-OF-CUSTODY RECORD 720-30865 OAK 15813

PROJECT NAME: Crown Chevrolet			DATE: 9/29/2010 PAGE 1 OF 1
PROJECT NUMBER:	LABORATORY NAME: TASF	CLIENT INFORMATION:	REPORTING REQUIREMENTS: 127190
RESULTS TO: A. Patton	LABORATORY ADDRESS:		
TURNAROUND TIME: Standard			
SAMPLE SHIPMENT METHOD:	LABORATORY CONTACT: Afsaneh		GEOTRACKER REQUIRED [✓ YES] NO
	LABORATORY PHONE NUMBER:		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE): [illegible]

DATE	TIME	SAMPLE NUMBER	BTEX, MTBE, TPHg	TPHd/mo	PAHs	Chromium	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
9/29/2010	0815	SB-08-15.7	X				40mL VOA	S	N	DI water	Y	N	2	
		↓	X				40mL VOA	S	N	methanol	Y	N	1	
		↓		X	X		8oz glass jar	S	N	none	Y	N	1	
	0900	SB-08	X				40mL VOA	W	N	HCl			3	
				X			32oz Amber	W	N	HCl			2	
				X			↓	W	N	None			2	Filter @ lab
					X		↓	W	N	None			2	
						X	250mL Poly	W	N	None			1	
		↓				X	↓	W	N	HNO3			1	
	0930	SB-07-13.2		X	X		8oz glass jar	S	N	none	Y	Y	2	MS/MSD
	1000	SB-07		X			32oz Amber	W	N	HCl	Y	Y	4	MS/MSD
				X				W	N	none	Y	N	2	Filter @ lab
					X		↓	W	N	none	Y	Y	4	MS/MSD
						X	250mL Poly	W	N	none	Y	Y	1	MS/MSD
		↓				X	↓	W	N	HNO3	Y	Y	1	MS/MSD

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE: [illegible] PRINTED NAME: Greg Sterla COMPANY: Amec	9/29/10	11:00	SIGNATURE: [illegible] PRINTED NAME: Ed Martinez COMPANY: TASF	9/29/10	11:00am
SIGNATURE: [illegible] PRINTED NAME: Ed Martinez COMPANY:	9/29/10	11:20am	SIGNATURE: [illegible] PRINTED NAME: Mullen COMPANY: Cal Amer	9/29/10	1120
SIGNATURE: PRINTED NAME: COMPANY:			SIGNATURE: PRINTED NAME: COMPANY:		

TOTAL NUMBER OF CONTAINERS: 29

SAMPLING COMMENTS:
BTEX, MTBE, TPHg by 8260B
TPHd/mo by 8015 after silica gel cleanup
PAHs by 8270C SIM
total & Hex Chromium by 6020
5.5°C/4.0°C

2101 Webster Street, 12th Floor
Oakland, California 94612-3066
Tel 510.663.4100 Fax 510.663.4141

amec

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Login Number: 30865
Creator: Mullen, Joan
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30865-2

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release.
Afsaneh Salimpour
Project Manager I
11/12/2010 2:05 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
11/12/2010
Revision: 1

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

Receipt
Per Client request amber glass bottle was filtered on 11/3/10 and then preserved with nitric acid and shipped to our Irvine lab to perform Dissolved Chromium by method 6020.

No analytical or quality issues were noted.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project: N/A-Misc.
720-30865

Sampled: 09/29/10
Received: 11/04/10
Issued: 11/05/10 16:52

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITK0514-01	SB-08	Water
ITK0514-02	SB-07	Water

Reviewed By:

TestAmerica Irvine
Steven Garcia
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITK0514

Sampled: 09/29/10
Received: 11/04/10

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK0514-01 (SB-08 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020-Diss	10K0590	2.0	3.3 J-	1	11/4/2010	11/5/2010	
Sample ID: ITK0514-02 (SB-07 - Water)								
Reporting Units: ug/l								
Chromium	EPA 6020-Diss	10K0590	2.0	2.8 J-	1	11/4/2010	11/5/2010	

TestAmerica Irvine
Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITK0514

Sampled: 09/29/10
Received: 11/04/10

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K0590 Extracted: 11/04/10										
Blank Analyzed: 11/05/2010 (10K0590-BLK1)										
Chromium	ND	2.0	ug/l							
LCS Analyzed: 11/05/2010 (10K0590-BS1)										
Chromium	74.4	2.0	ug/l	80.0		93	80-120			
Matrix Spike Analyzed: 11/05/2010 (10K0590-MS1)					**Source: ITK0514-01**					
Chromium	78.1	2.0	ug/l	80.0	3.32	94	75-125			
Matrix Spike Dup Analyzed: 11/05/2010 (10K0590-MSD1)					**Source: ITK0514-01**					
Chromium	80.6	2.0	ug/l	80.0	3.32	97	75-125	3	20	

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written approval from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITK0514

Sampled: 09/29/10
Received: 11/04/10

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written approval from TestAmerica.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax (949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30865
Report Number: ITK0514

Sampled: 09/29/10
Received: 11/04/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020-Diss	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written approval from TestAmerica.

ITK0514

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):	COC No: 720-10467 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Analysis Requested		Job #: 720-30865-2
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 11/5/2010			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify), Other:
City: Irvine	TAT Requested (days):			
State, Zip: CA, 92614-5817	PO #:			
Phone: 949-251-1022(Tel) 949-251-1228(Fax)	WO #:			
Email:	Project #: 72006900			
Project Name: Crown Chevrolet	SSOW#:			
Site:				

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w=water, s=solid, o=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Dissolved Cr by method 6020	Total Number of containers	Special Instructions/Note:
		Preservation Codes:							
SB-08 (720-30865-2)	9/29/10	09:00 Pacific		Water			X	1	
SB-07 (720-30865-4)	9/29/10	10:00 Pacific		Water			X	1	

Field Filtered

RUSH

Possible Hazard Identification: Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): Return To Client, Disposal By Lab, Archive For Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Tom Mullen	Date/Time: 11-03-2010 1630	Company: SF	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: [illegible]	Date/Time: 11/4/10 10:25	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: RT			

Page 8 of 9

11/12/2010

4 AK 2

720-30837-3
720-30865-2

Salimpour, Afsaneh

From: Stemler, Greg [Greg.Stemler@amec.com]
Sent: Wednesday, November 03, 2010 3:46 PM
To: Salimpour, Afsaneh
Cc: Patton, Avery
Subject: RE: EPA 7199

Afsaneh,
Please do send the following samples to Irvine:
SB-05 (720-30837#14)
SB-06 (720-30837#8)
SB-07 (720-30865#4)
SB-08 (720-30865#2)

We would like these samples run for total dissolved Chromium, however we want to confirm the analyses later tonight or tomorrow morning. We may request both filtered and unfiltered analysis.

For now, please send all the remaining unfiltered, unpreserved sample to Irvine.

Greg Stemler | Project Geologist | AMEC Geomatrix, Inc
The materials transmitted by this electronic mail are confidential, ...

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-30879-1

Job Description: Crown Chevrolet

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

Attention: Avery Patton

Approved for release.
Afsaneh Salimpour
Project Manager I
10/11/2010 2:33 PM

Afsaneh Salimpour
Project Manager I
afsaneh.salimpour@testamericainc.com
10/11/2010

CA ELAP Certification # 2496
The Chain(s) of Custody are included and are an integral part of this report.
The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.
A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 www.testamericainc.com

Comments
No additional comments.

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project: N/A-Misc.
720-30879

Sampled: 09/29/10
Received: 10/01/10
Issued: 10/08/10 16:24

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
ITJ0049-01	IDW-1	Soil
ITJ0049-02	IDW-2	Water

Reviewed By:

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITJ0049-01 (IDW-1 - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	10J0305	0.020	**0.042**	1	10/4/2010	10/4/2010	
Antimony	EPA 6020	10J0275	0.99	ND	0.985	10/4/2010	10/6/2010	
Arsenic	EPA 6020	10J0275	0.49	**6.1**	0.985	10/4/2010	10/6/2010	
Barium	EPA 6020	10J0275	0.49	**80**	0.985	10/4/2010	10/6/2010	
Beryllium	EPA 6020	10J0275	0.30	**0.54**	0.985	10/4/2010	10/6/2010	
Cadmium	EPA 6020	10J0275	0.49	ND	0.985	10/4/2010	10/6/2010	
Chromium	EPA 6020	10J0275	0.99	**33**	0.985	10/4/2010	10/6/2010	
Cobalt	EPA 6020	10J0275	0.49	**7.8**	0.985	10/4/2010	10/6/2010	
Copper	EPA 6020	10J0275	0.99	**18**	0.985	10/4/2010	10/6/2010	
Lead	EPA 6020	10J0275	0.49	**6.7**	0.985	10/4/2010	10/6/2010	
Molybdenum	EPA 6020	10J0275	0.99	ND	0.985	10/4/2010	10/6/2010	
Nickel	EPA 6020	10J0275	0.99	**41**	0.985	10/4/2010	10/7/2010	
Selenium	EPA 6020	10J0275	0.99	ND	0.985	10/4/2010	10/6/2010	
Silver	EPA 6020	10J0275	0.49	ND	0.985	10/4/2010	10/6/2010	
Thallium	EPA 6020	10J0275	0.49	ND	0.985	10/4/2010	10/6/2010	
Vanadium	EPA 6020	10J0275	0.99	**26**	0.985	10/4/2010	10/6/2010	
Zinc	EPA 6020	10J0275	9.9	**42**	0.985	10/4/2010	10/6/2010	
Sample ID: ITJ0049-02 (IDW-2 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A	10J0450	0.00020	ND	1	10/5/2010	10/5/2010	
Sample ID: ITJ0049-02 (IDW-2 - Water)								
Reporting Units: ug/l								
Antimony	EPA 6020	10J0140	2.0	ND UJ	1	10/2/2010	10/2/2010	
Arsenic	EPA 6020	10J0140	1.0	**14**	1	10/2/2010	10/2/2010	
Barium	EPA 6020	10J0140	1.0	**320**	1	10/2/2010	10/2/2010	
Beryllium	EPA 6020	10J0140	0.50	**0.67**	1	10/2/2010	10/2/2010	
Cadmium	EPA 6020	10J0140	1.0	**1.0**	1	10/2/2010	10/2/2010	
Chromium	EPA 6020	10J0140	2.0	**85**	1	10/2/2010	10/2/2010	
Cobalt	EPA 6020	10J0140	1.0	**30**	1	10/2/2010	10/2/2010	
Copper	EPA 6020	10J0140	2.0	**48**	1	10/2/2010	10/2/2010	
Lead	EPA 6020	10J0140	1.0	**12**	1	10/2/2010	10/2/2010	
Molybdenum	EPA 6020	10J0140	2.0	**20**	1	10/2/2010	10/2/2010	
Nickel	EPA 6020	10J0140	2.0	**52**	1	10/2/2010	10/2/2010	
Selenium	EPA 6020	10J0140	2.0	**3.3**	1	10/2/2010	10/2/2010	
Silver	EPA 6020	10J0140	1.0	**1.0**	1	10/2/2010	10/2/2010	
Thallium	EPA 6020	10J0140	1.0	ND	1	10/2/2010	10/2/2010	
Vanadium	EPA 6020	10J0140	2.0	**72**	1	10/2/2010	10/2/2010	
Zinc	EPA 6020	10J0140	20	**190**	1	10/2/2010	10/3/2010	

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0140 Extracted: 10/02/10										
Blank Analyzed: 10/02/2010-10/03/2010 (10J0140-BLK1)										
Antimony	ND	2.0	ug/l							
Arsenic	ND	1.0	ug/l							
Barium	ND	1.0	ug/l							
Beryllium	ND	0.50	ug/l							
Cadmium	ND	1.0	ug/l							
Chromium	ND	2.0	ug/l							
Cobalt	ND	1.0	ug/l							
Copper	ND	2.0	ug/l							
Lead	ND	1.0	ug/l							
Molybdenum	ND	2.0	ug/l							
Nickel	ND	2.0	ug/l							
Selenium	ND	2.0	ug/l							
Silver	ND	1.0	ug/l							
Thallium	ND	1.0	ug/l							
Vanadium	ND	2.0	ug/l							
Zinc	ND	20	ug/l							
LCS Analyzed: 10/02/2010-10/03/2010 (10J0140-BS1)										
Antimony	81.5	2.0	ug/l	80.0		102	80-120			
Arsenic	79.8	1.0	ug/l	80.0		100	80-120			
Barium	79.7	1.0	ug/l	80.0		100	80-120			
Beryllium	71.2	0.50	ug/l	80.0		89	80-120			
Cadmium	79.5	1.0	ug/l	80.0		99	80-120			
Chromium	81.0	2.0	ug/l	80.0		101	80-120			
Cobalt	78.3	1.0	ug/l	80.0		98	80-120			
Copper	79.3	2.0	ug/l	80.0		99	80-120			
Lead	78.5	1.0	ug/l	80.0		98	80-120			
Molybdenum	82.4	2.0	ug/l	80.0		103	80-120			
Nickel	77.1	2.0	ug/l	80.0		96	80-120			
Selenium	79.3	2.0	ug/l	80.0		99	80-120			
Silver	83.5	1.0	ug/l	80.0		104	80-120			
Thallium	76.4	1.0	ug/l	80.0		95	80-120			
Vanadium	80.7	2.0	ug/l	80.0		101	80-120			
Zinc	82.4	20	ug/l	80.0		103	80-120			

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0140 Extracted: 10/02/10										
Matrix Spike Analyzed: 10/02/2010-10/03/2010 (10J0140-MS1)					**Source: ITJ0043-02**					
Antimony	43.6	2.0	ug/l	80.0	0.521	54	75-125			*M2*
Arsenic	92.8	1.0	ug/l	80.0	12.3	101	75-125			
Barium	352	1.0	ug/l	80.0	261	114	75-125			
Beryllium	73.8	0.50	ug/l	80.0	0.630	91	75-125			
Cadmium	80.0	1.0	ug/l	80.0	0.581	99	75-125			
Chromium	117	2.0	ug/l	80.0	43.9	91	75-125			
Cobalt	75.6	1.0	ug/l	80.0	10.0	82	75-125			
Copper	94.6	2.0	ug/l	80.0	27.2	84	75-125			
Lead	83.0	1.0	ug/l	80.0	5.91	96	75-125			
Molybdenum	69.0	2.0	ug/l	80.0	1.19	85	75-125			
Nickel	113	2.0	ug/l	80.0	42.4	88	75-125			
Selenium	76.7	2.0	ug/l	80.0	1.05	95	75-125			
Silver	82.9	1.0	ug/l	80.0	0.123	103	75-125			
Thallium	73.8	1.0	ug/l	80.0	0.314	92	75-125			
Vanadium	135	2.0	ug/l	80.0	60.2	93	75-125			
Zinc	162	20	ug/l	80.0	72.7	112	75-125			
Matrix Spike Dup Analyzed: 10/02/2010-10/03/2010 (10J0140-MSD1)					**Source: ITJ0043-02**					
Antimony	44.3	2.0	ug/l	80.0	0.521	55	75-125	2	20	*M2*
Arsenic	90.2	1.0	ug/l	80.0	12.3	97	75-125	3	20	
Barium	342	1.0	ug/l	80.0	261	102	75-125	3	20	
Beryllium	71.7	0.50	ug/l	80.0	0.630	89	75-125	3	20	
Cadmium	78.8	1.0	ug/l	80.0	0.581	98	75-125	1	20	
Chromium	111	2.0	ug/l	80.0	43.9	83	75-125	6	20	
Cobalt	74.4	1.0	ug/l	80.0	10.0	80	75-125	2	20	
Copper	91.7	2.0	ug/l	80.0	27.2	81	75-125	3	20	
Lead	80.9	1.0	ug/l	80.0	5.91	94	75-125	3	20	
Molybdenum	69.9	2.0	ug/l	80.0	1.19	86	75-125	1	20	
Nickel	106	2.0	ug/l	80.0	42.4	80	75-125	6	20	
Selenium	77.4	2.0	ug/l	80.0	1.05	95	75-125	0.8	20	
Silver	81.8	1.0	ug/l	80.0	0.123	102	75-125	1	20	
Thallium	71.9	1.0	ug/l	80.0	0.314	90	75-125	3	20	
Vanadium	127	2.0	ug/l	80.0	60.2	84	75-125	6	20	
Zinc	151	20	ug/l	80.0	72.7	98	75-125	7	20	

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0275 Extracted: 10/04/10										
Blank Analyzed: 10/06/2010-10/07/2010 (10J0275-BLK1)										
Antimony	ND	1.0	mg/kg							
Arsenic	ND	0.50	mg/kg							
Barium	ND	0.50	mg/kg							
Beryllium	ND	0.30	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	0.50	mg/kg							
Copper	ND	1.0	mg/kg							
Lead	ND	0.50	mg/kg							
Molybdenum	ND	1.0	mg/kg							
Nickel	ND	1.0	mg/kg							
Selenium	ND	1.0	mg/kg							
Silver	ND	0.50	mg/kg							
Thallium	ND	0.50	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	10	mg/kg							
LCS Analyzed: 10/06/2010-10/07/2010 (10J0275-BS1)										
Antimony	49.8	0.99	mg/kg	49.3		101	80-120			
Arsenic	46.2	0.49	mg/kg	49.3		94	80-120			
Barium	50.0	0.49	mg/kg	49.3		101	80-120			
Beryllium	50.6	0.30	mg/kg	49.3		103	80-120			
Cadmium	48.9	0.49	mg/kg	49.3		99	80-120			
Chromium	45.6	0.99	mg/kg	49.3		92	80-120			
Cobalt	47.7	0.49	mg/kg	49.3		97	80-120			
Copper	46.9	0.99	mg/kg	49.3		95	80-120			
Lead	48.7	0.49	mg/kg	49.3		99	80-120			
Molybdenum	48.5	0.99	mg/kg	49.3		98	80-120			
Nickel	46.0	0.99	mg/kg	49.3		93	80-120			
Selenium	43.6	0.99	mg/kg	49.3		89	80-120			
Silver	25.2	0.49	mg/kg	24.6		102	80-120			
Thallium	48.7	0.49	mg/kg	49.3		99	80-120			
Vanadium	44.0	0.99	mg/kg	49.3		89	80-120			
Zinc	43.8	9.9	mg/kg	49.3		89	80-120			

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0275 Extracted: 10/04/10										
Duplicate Analyzed: 10/07/2010 (10J0275-DUP1)					**Source: IT12504-01**					
Antimony	ND	5.0	mg/kg		0.248				200	
Arsenic	3.12	2.5	mg/kg		4.26			31	200	
Barium	99.2	2.5	mg/kg		95.9			3	200	
Beryllium	0.374	1.5	mg/kg		0.321			15	200	
Cadmium	ND	2.5	mg/kg		0.145				200	
Chromium	15.3	5.0	mg/kg		13.4			13	200	
Cobalt	7.41	2.5	mg/kg		7.03			5	200	
Copper	26.8	5.0	mg/kg		19.0			34	200	
Lead	7.32	2.5	mg/kg		6.96			5	200	
Molybdenum	ND	5.0	mg/kg		0.235				200	
Nickel	11.4	5.0	mg/kg		10.3			11	200	
Selenium	ND	5.0	mg/kg		ND				200	
Silver	ND	2.5	mg/kg		ND				200	
Thallium	ND	2.5	mg/kg		ND				200	
Vanadium	32.0	5.0	mg/kg		30.2			6	200	
Zinc	39.9	50	mg/kg		39.3			2	200	
Matrix Spike Analyzed: 10/06/2010-10/07/2010 (10J0275-MS1)					**Source: IT12283-01**					
Antimony	20.1	0.99	mg/kg	49.5	ND	41	75-125			*M2*
Arsenic	43.0	0.50	mg/kg	49.5	0.695	85	75-125			
Barium	113	0.50	mg/kg	49.5	63.7	100	75-125			
Beryllium	48.6	0.30	mg/kg	49.5	0.203	98	75-125			
Cadmium	45.8	0.50	mg/kg	49.5	ND	92	75-125			
Chromium	53.9	0.99	mg/kg	49.5	11.6	86	75-125			
Cobalt	47.4	0.50	mg/kg	49.5	4.29	87	75-125			
Copper	50.9	0.99	mg/kg	49.5	8.47	86	75-125			
Lead	45.8	0.50	mg/kg	49.5	2.00	89	75-125			
Molybdenum	44.7	0.99	mg/kg	49.5	0.395	89	75-125			
Nickel	46.2	0.99	mg/kg	49.5	4.75	84	75-125			
Selenium	40.6	0.99	mg/kg	49.5	ND	82	75-125			
Silver	22.8	0.50	mg/kg	24.8	ND	92	75-125			
Thallium	44.0	0.50	mg/kg	49.5	0.164	89	75-125			
Vanadium	62.6	0.99	mg/kg	49.5	20.2	86	75-125			
Zinc	69.4	9.9	mg/kg	49.5	24.3	91	75-125			

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0275 Extracted: 10/04/10										
Matrix Spike Dup Analyzed: 10/06/2010-10/07/2010 (10J0275-MSD1)					**Source: ITI2283-01**					
Antimony	20.1	0.99	mg/kg	49.3	ND	41	75-125	0.2	20	M2
Arsenic	43.1	0.49	mg/kg	49.3	0.695	86	75-125	0.3	20	
Barium	114	0.49	mg/kg	49.3	63.7	101	75-125	0.5	20	
Beryllium	47.7	0.30	mg/kg	49.3	0.203	97	75-125	2	20	
Cadmium	45.7	0.49	mg/kg	49.3	ND	93	75-125	0.07	20	
Chromium	53.5	0.99	mg/kg	49.3	11.6	85	75-125	0.8	20	
Cobalt	47.2	0.49	mg/kg	49.3	4.29	87	75-125	0.3	20	
Copper	50.1	0.99	mg/kg	49.3	8.47	85	75-125	2	20	
Lead	45.4	0.49	mg/kg	49.3	2.00	88	75-125	1	20	
Molybdenum	44.5	0.99	mg/kg	49.3	0.395	90	75-125	0.4	20	
Nickel	47.1	0.99	mg/kg	49.3	4.75	86	75-125	2	20	
Selenium	40.2	0.99	mg/kg	49.3	ND	82	75-125	0.9	20	
Silver	22.7	0.49	mg/kg	24.6	ND	92	75-125	0.4	20	
Thallium	43.7	0.49	mg/kg	49.3	0.164	88	75-125	0.7	20	
Vanadium	62.7	0.99	mg/kg	49.3	20.2	86	75-125	0.08	20	
Zinc	68.9	9.9	mg/kg	49.3	24.3	91	75-125	0.7	20	
Batch: 10J0305 Extracted: 10/04/10										
Blank Analyzed: 10/04/2010 (10J0305-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 10/04/2010 (10J0305-BS1)										
Mercury	0.862	0.020	mg/kg	0.800		108	80-120			
Matrix Spike Analyzed: 10/04/2010 (10J0305-MS1)					**Source: ITJ0039-01**					
Mercury	0.882	0.020	mg/kg	0.800	0.0247	107	70-130			

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10J0305 Extracted: 10/04/10										
Matrix Spike Dup Analyzed: 10/04/2010 (10J0305-MSD1)					**Source: ITJ0039-01**					
Mercury	0.869	0.020	mg/kg	0.800	0.0247	106	70-130	1	20	
Batch: 10J0450 Extracted: 10/05/10										
Blank Analyzed: 10/05/2010 (10J0450-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 10/05/2010 (10J0450-BS1)										
Mercury	0.00800	0.00020	mg/l	0.00800		100	80-120			
Matrix Spike Analyzed: 10/05/2010 (10J0450-MS1)					**Source: ITJ0131-01**					
Mercury	0.00795	0.00020	mg/l	0.00800	ND	99	70-130			
Matrix Spike Dup Analyzed: 10/05/2010 (10J0450-MSD1)					**Source: ITJ0131-01**					
Mercury	0.00811	0.00020	mg/l	0.00800	ND	101	70-130	2	20	

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

DATA QUALIFIERS AND DEFINITIONS

M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Attention: Afsaneh Salimpour

Project ID: N/A-Misc.
720-30879
Report Number: ITJ0049

Sampled: 09/29/10
Received: 10/01/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 6020	Soil	X	X
EPA 6020	Water	X	X
EPA 7470A	Water	X	X
EPA 7471A	Soil	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ZT 30049

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):	COC No: 720-10141.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: a'saneh.salimpour@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Analysis Requested		Job #: 720-30879-1
Address: 17461 Derian Ave, Suite 100,	Due Date Requested: 10/6/2010			Preservation Codes:
City: Irvine	TAT Requested (days):			A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - NaHO4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
State, Zip: CA, 92614-5817				
Phone: 949-261-1022(Tel) 949-261-1228(Fax)	PO #:			
Email:	WO #:			Other:
Project Name: Crown Chevrolet	Project #: 72006900			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ CAM16 by 6020	SUBCONTRACT/ CAM16 by 6020	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
IDW-1 (720-30879-1)	9/29/10	11:30 Pacific		Solid			X		1	
IDW-2 (720-30879-2)	9/29/10	11:45 Pacific		Water				X	1	

17:36 10/1/10

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:		
Relinquished by:	Date/Time: 9/30/10 - 1650	Company: TAST	Received by:	Date/Time: 10/1/10 11:30	Company: TAI		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4.3				

Login Sample Receipt Check List

Client: AMEC Geomatrix Inc.

Job Number: 720-30879-1

Login Number: 30879
Creator: Mullen, Joan
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F / NA	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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	