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April 4, 2011

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



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



"Where people make the difference."

Attachment:

Revised Soil and Groundwater Investigation Report

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.



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.

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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.

AMEC Geomatrix, Inc.



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 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 μ g/kg), 1,2-dichlorobenzene (detected at concentrations up to 30,000 μ g/kg), and/or 1,4-dichlorobenzene (detected at concentrations up to 5,400 μ g/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 μ g/L) exceed the ESL of 100 μ g/L. However, the method detection limit for unfiltered TPHmo analyses is 130 μ g/L (and is up to 140 μ g/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

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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 μ g/L), chlorobenzene (detected at 84 μ g/L), and 1,2-dichlorobenzene (detected at 42 μ g/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.
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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 | Χ | | | | |
| | | 6.5 | SB-03-6.5 | Χ | | | | |
| | | 11.5 | SB-03-11.5 | Χ | | | | |
| | | 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 | Х | | |
| | | 12.0 | SB-04-12 | | Х | Х | X | |
| | | GW | SB-04 ⁶ | | X (DUP) | X (DUP) | X (DUP) | |
| SB-05 | 15.0 | 0.7 | SB-05-0.7 | | | X | Х | |
| | | 2.0 | SB-05-2 | | | X | | |
| | | 11.5 | SB-05-11.5 | | | X | Х | |
| | | GW | SB-05 | | | X | Х | X |
| SB-06 | 15.0 | 3.0 | SB-06-3.0 | | | Х | Х | |
| | | 11.0 | SB-06-11.0 | | | X | Х | |
| | | GW | SB-06 | | | X | Х | X |
| SB-07 | 17.0 | 13.2 | SB-07-13.2 | | | X | Х | |
| | | GW | SB-07 | | | Х | Х | X |
| SB-08 | 20.0 | 15.7 | SB-08-15.7 | | Х | Х | Х | |
| | | GW | SB-08 | | X | Χ | X | X |
| SB-09 | 15.0 | 3.0 | SB-09-3.0 | | | X | | |
| | | 4.9 | SB-09-4.9 | | | X | Х | |
| | | 6.0 | SB-09-6.0 | | | X | | |
| | | 12.0 | SB-09-12.0 | | | Χ | Х | |
| SB-10 | 16.5 | 4.0 | SB-10-4.0 | | | X | | |
| | | 9.0 | SB-10-9.0 | | | Х | | |
| | | 10.5 | SB-10-10.5 | | | Х | | |
| | | 11.5 | SB-10-11.5 | | | Х | Х | |
| | | GW | SB-10 | | | Х | Х | |
| SB-11 | 18.0 | 12.8 | SB-11-12.8 | | | Х | Х | |
| | | GW | SB-11 | | | Х | Х | |
| SB-12 | 17.0 | 12.0 | SB-12-12 | | | Х | X | |
| | | GW | SB-12 | | | Х | Х | |



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



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)

| | | 1 | rations reported | in miligrams | | in (ing/kg) | | |
|-------------------|-------------------|------------|------------------|----------------------|--------|-------------|-------------|-----------|
| | | | | | TPH | | PAI | |
| Sample | | Depth | | | | | | All other |
| ID | Location | (feet bgs) | Date | TPHg | TPHd | TPHmo | Naphthalene | 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 S | • | el | | 83 | 83 | 370 | 1.3 | |
| (residential land | use) ⁴ | | | | | | | |



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

- 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



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 | втех | 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 | 1 | 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 So | creening Lev | rel (residential | land use) 3 | 1,500 | 1,100 | 590 | | |

Notes

- 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



SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER¹

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

Concentrations reported in micrograms per liter (µg/L)

| | | | niceriti attoris re | Total Petroleum Hydrocarbons | | | | | | | |
|---|---------------|----------------|---------------------|------------------------------|---------------------------------|-----------------------|-------------------------------|------|--|--|--|
| Sample ID | Location | Date | TPHg | TPHd (unfiltered) | TPHd (filtered) ² | TPHmo (unfiltered) | TPHmo (filtered) ² | PAHs | | | |
| 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 | | | |
| Environment (groundwate drinking wate | r is a potent | ial or current | 100 | 100 | 100 | 100 | 100 | -1 | | | |

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.
- 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



SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND CHROMIUM IN GROUNDWATER

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

Concentrations reported in micrograms per liter (µg/L)

| | | | | | Volati | le Organic (| Compoun | ds | | | | Chromium | |
|--|-------------|-----------|---------|--------------------|------------------------------|------------------------------|-----------------|-----|------|-------------------------------|-------------------------------------|--------------------------------|---|
| Sample ID | Location | Date | 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 | | 1.0 | 25 | 10 | 5.0 | 6.0 | 5.0 | 5.0 | | 11 | 50 | 50 | |
| drinking water | resource) ° | | | | | | | | | | | | |

Notes

- 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.
- 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

NA = not analyzed

J- = the result is an estimated quantity, but the result may be biased low

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

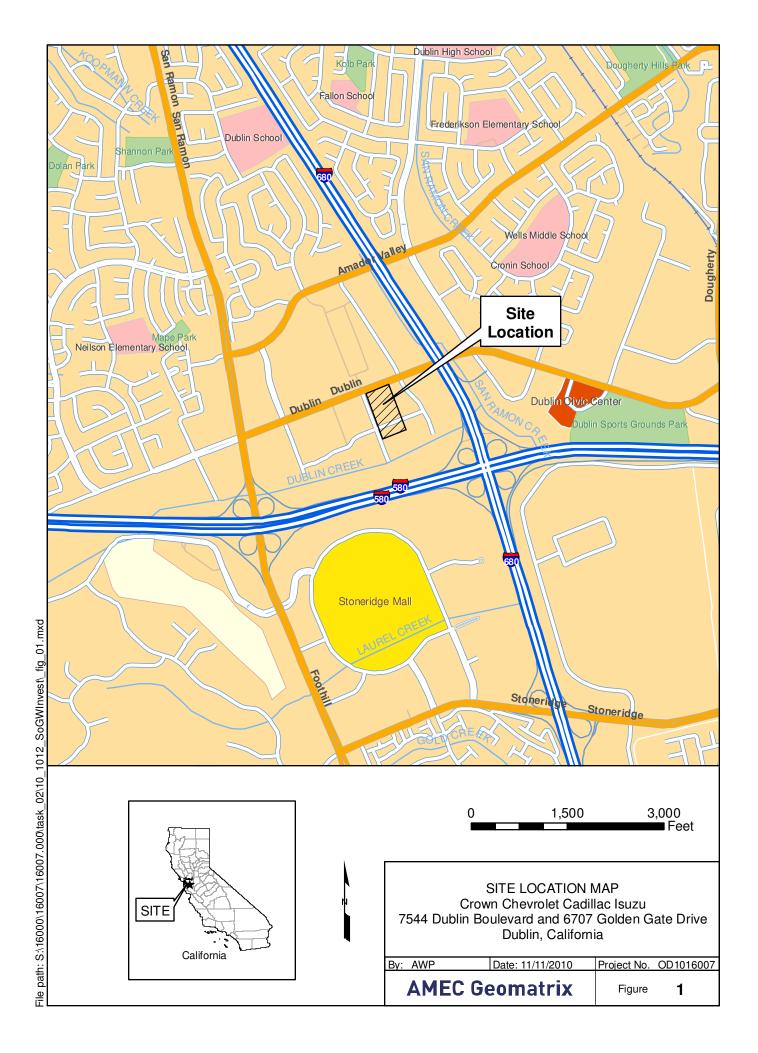
PCE = tetrachloroethene

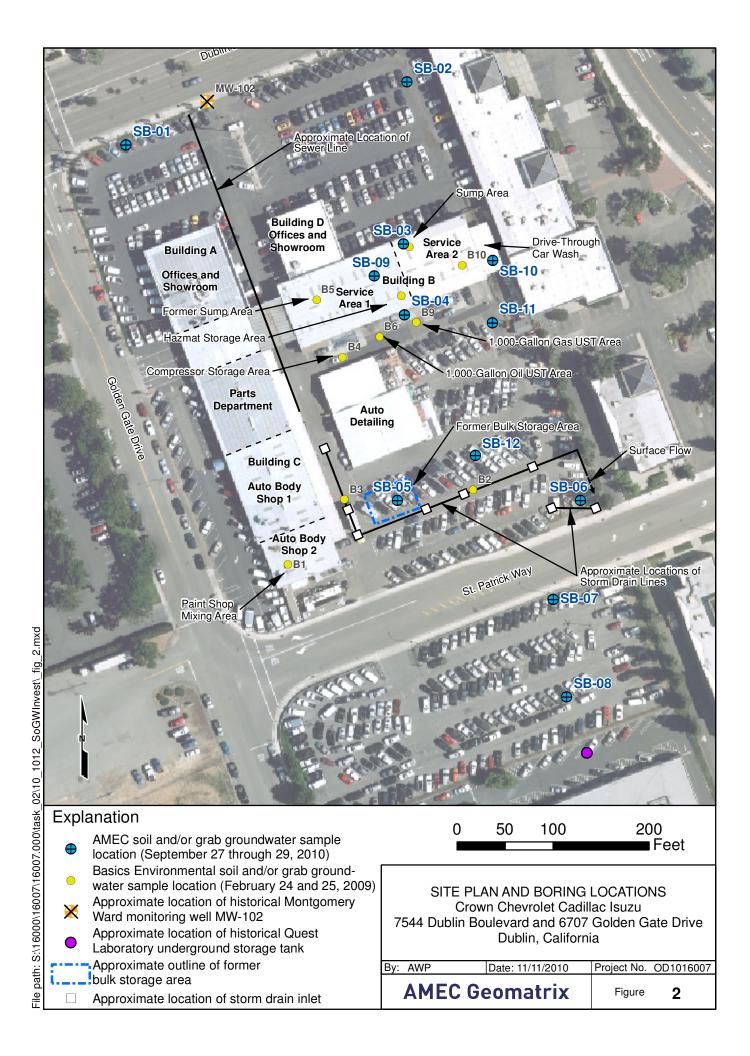
TCE = trichloroethene

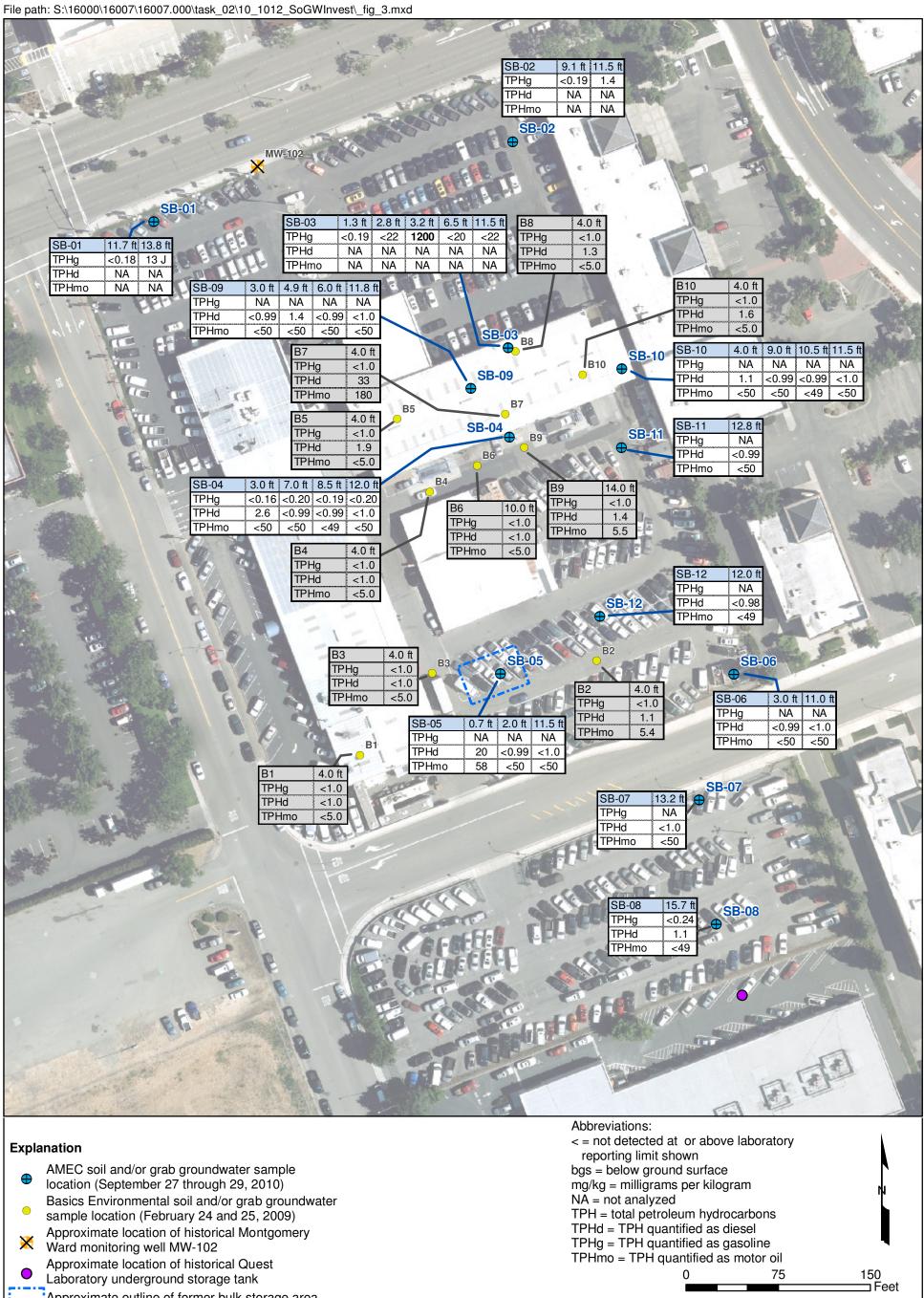
U.S. EPA = U.S. Environmental Protection Agency

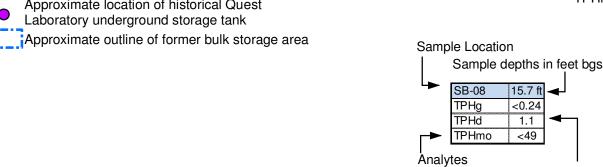


FIGURES









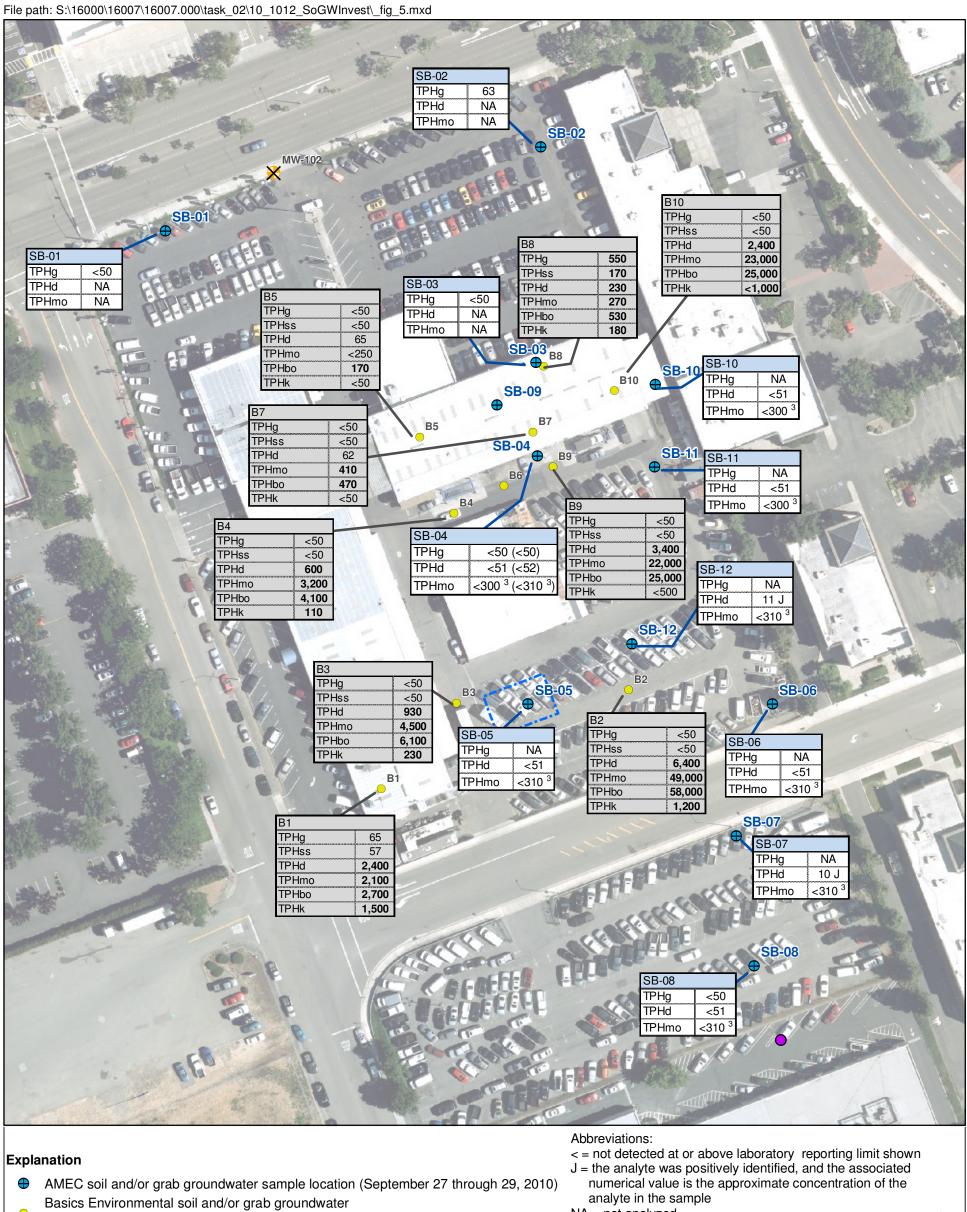
TOTAL PETROLEUM HYDROCARBONS IN SOIL Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive Dublin, California

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

Concentrations in mg/kg

3

4.0 ft Crown Chevrolet Cadillac Isuzu Chlorobenzene <5 7544 Dublin Boulevard and 6707 Golden Gate Drive 1,2-DCB <5 Dublin, California 1,4-DCB <5 By: GFS Date: 11/11/2010 | Project No. OD10160070 Analytes Concentrations in µg/kg **AMEC Geomatrix** Figure 4



- 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

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.

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

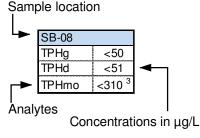
TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER <50 Crown Chevrolet Cadillac Isuzu 7544 Dublin Boulevard and 6707 Golden Gate Drive

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

Dublin, California

75

150 Feet



Chlorobenzene

1,2-DCB

Analytes

NA

NA

Concentrations in µg/L

By: GFS

7544 Dublin Boulevard and 6707 Golden Gate Drive

Dublin, California

Project No. OD10160070

6

Figure

Date: 11/11/2010

AMEC Geomatrix

Concentrations in µg/L

AMEC Geomatrix

Figure

7



APPENDIX A

Drilling Permit

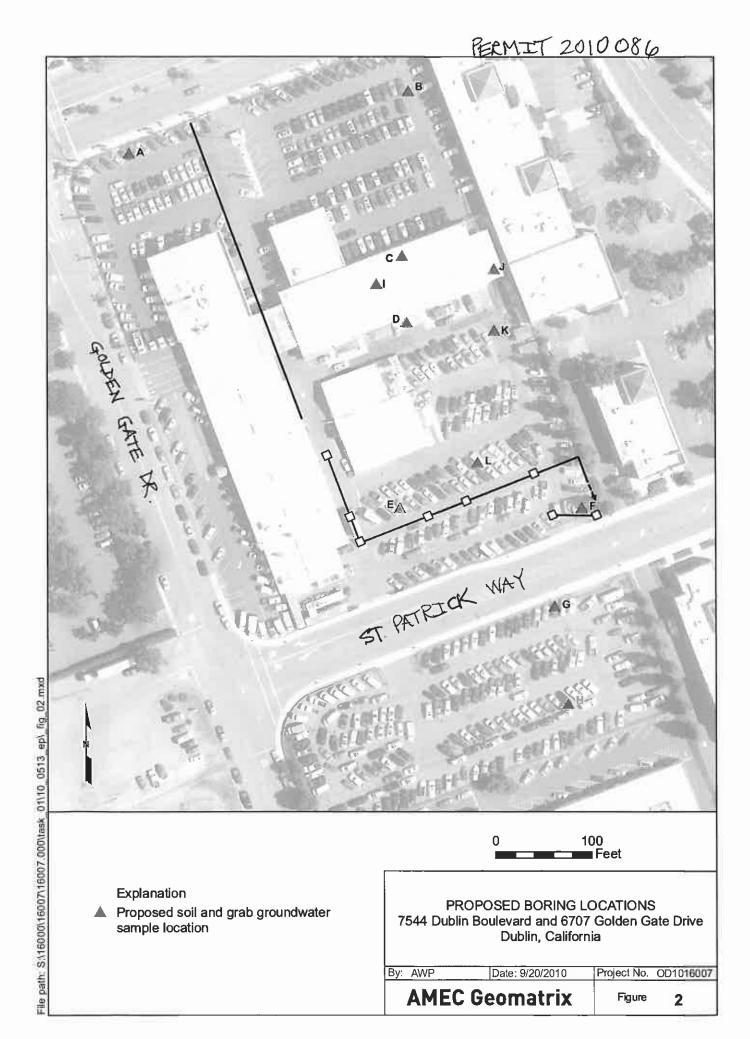
ZONE 7 WATER AGENCY

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

DRILLING PERMIT APPLICATION

| FOR APPLICANT TO COMPLETE | . FOR OFFICE USE |
|---|--|
| LOCATION OF PROJECT FURMER Cheurolet | PERMIT NUMBER |
| 7544 Dublin Blud, Dublin, California | APN 941-1500-015-09 |
| Coordinates Source ft. Accuracy∀ ft. LAT: 37 · 70368 £LONG: - 121 · 72838 € APN 941 - 1500 - 15 - 9 | PERMIT CONDITIONS (Circled Permit Requirements Apply) |
| CLIENT Name Patrick Costello Address Po Box 2010 Phone City Dublin ZIP 94568 APPLICANT Name AMEC Geometrix (Greg Stemler) Email greg. Stemler AMEC. com Fax(510)663 4191 Address 2101 Webster St., 12th FloorPhone (510)663 4191 City CAKLAND CA Zip., 99612 | 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 |
| TYPE OF PROJECT: Well Construction | Minimum surface seal diameter is four inches greater than the well casing diameter. 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. Grout placed by tremie. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements. A sample port is required on the discharge pipe near the |
| Dewatering Other DRILLING METHOD: Mud Rotary Air Rotary Hollow Stem Auger Cable Tool Direct Push Other DRILLING COMPANY Core Drilling DRILLER'S LICENSE NO 57 906899 | 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. |
| WELL SPECIFICATIONS: IN Maximum Casing Diameter in. Depth ft. Surface Seal Depth ft. | 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. |
| SOIL BORINGS: Number of Borings 12 Maximum Hole Diameter 3.5 in. Depth 20 ft. | E. CATHODIC. Fill hole above anode zone with concrete placed by tremie. |
| ESTIMATED STARTING DATE 9/27/2010 ESTIMATED COMPLETION DATE 9/30/2010 | F. WELL DESTRUCTION. See attached. G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted under the until beat-like second |
| I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68. | completion of permitted work the well installation report including all soil and water laboratory analysis results. |
| APPLICANT'S SIGNATURE ONE STEEL Dale 5/20/200 | Approved Wyman Hong Date 9/25/10 |
| ATTACH SITE PLAN OR SKETCH | !/ |

Revised: January 4, 2010





APPENDIX B

Soil Boring Logs

| PROJE | | | | UBLIN BO | | RD | | Boring Lo | g Expla | nation |
|---|------------|------|-------------------|-------------------------|------|---|----------------|------------------|------------------|-----------------------|
| BORIN | | | | | | | ELEVAT | TON AND DATUM | 1: | |
| DRILLI | NG C | TNC | RAC | TOR: | | | DATE S | TARTED: | DATE FII | NISHED: |
| DRILLI | NG MI | ETH | OD: | | | | TOTAL | DEPTH (ft.): | MEASUR | RING POINT: |
| DRILLI | NG E | QUIF | MEN | NT: | | | DEPTH | TO WATER (ft.) | FIRST | COMPL. |
| SAMPL | ING N | ΙΕΤΙ | HOD: | : | | | LOGGE | D BY: | I | |
| HAMM | ER WI | EIGH | HT: | | | DROP: | RESPO | NSIBLE PROFES | SIONAL: | REG. NO. |
| DEPTH (feet) | Sample No. | | Blows/ SS Foot | OVM READING (ppm) | NAM | DESCRIPTION ME (USCS): color, moist, % by wt., plast. d cementation, react. w/HCl, geo. ir | lensity, struc | ture, | F | REMARKS |
| | 0) | o) | | <u> </u> | | Surface Elevation: | | | | |
| 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. Soil color described according to Munsell Color Chart. 3. Dashed lines separating soil strata represent inferred boundaries between sampled intervals that may be abrupt or gradual transitions. 4. Solid lines represent approximate boundaries observed within sample intervals. 5. OVM = organic vapor meter, reading in volumetric parts per million (ppm). 6. Odor, if noted is subjective and not necessarily indicative of specific compounds or concentrations. 7. NA = not applicable. | | | | | | | | | | |
| 10— ——————————————————————————————————— | | | | | | | | | | |
| 12- - 13- - 14- - 15- | SB-01-12.5 | | | | Samp | ole collected for chemical analysis and sa | ample identi | fication. | - - - - | KEYFORM (REV. 6/2008) |
| | | AΜ | EC | Geomatr | ix | | | Project No. OD10 | 0160070 | Page 1 of 1 |

| PROJE | | _ | | UBLIN B Californi | OULEVARD a 94568 | | Log of Bo | ring No | o. SB-01 | |
|--------------------------|-----------------|---------|-------------------|-------------------------|--|---|---|---------------|--|--|
| BORIN | | | | | D' N of NW corner of site | | ELEVATION AND DATUM | | d aurface | |
| | | | | | eCore Drilling | | Not surveyed; datum DATE STARTED: 9/27/10 | DATE 9/27/ | FINISHED: | |
| DRILLI | ING M | ETH | HOD: | Direct | push | | TOTAL DEPTH (ft.): 20.0 | Grou | URING POINT: nd surface | |
| DRILLI | ING E | QUII | PMEN | IT: Geopr | obe 7822 DT | | DEPTH TO WATER (ft.) | FIRST NA | COMPL. | |
| SAMPI | LING N | ИΕТ | HOD: | Geoprob | e DT21 dual-tube sampling system [5' x 1.25' | "] | LOGGED BY: G. Stemler | | · | |
| HAMM | ER W | EIG | HT: | NA | DROP: NA | | RESPONSIBLE PROFES A. Patton | SSIONAL: | REG. NO. PG 8541 | |
| DEPTH (feet) | Sample S No. | | Blows/ CA Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., pla cementation, react. w/HCl, ge | eo. inter. | - | | REMARKS | |
| | S | S | Ш | <u> </u> | Surface Elevation: ASPHALTIC CONCRETE: (5 inches thick | Not surv | /eyed | | | |
| 1- - 2- | | | | | LEAN CLAY with SAND (CL): dark grayis 80% fines, 20% fine to medium sand, med | h brown | | Hand a | augered to 5 feet | |
| 3- - 4- | | | | | | | | - calibra | MiniRAE 2000 PID ted with 100 ppm relene standard. | |
| 5- 6- | | | | 0 0 0 | LEAN CLAY (CL): dark grayish brown (2.10% fine sand, medium plasticity, firm | | moist, 90% fines, | | | |
| 7- - 8- - 9- | | | | 0 0 0 0 | olive brown (2.5Y 4/4), medium plasticity, | olive brown (2.5Y 4/4), medium plasticity, firm | | | | |
| - 10- - 11- | | | - | 0 0 0.1 | √ soft | | | _ _ _ | | |
| 12- | SB-01-11.7 | | | 0.3 0.6 0.5 | ↓ firm | | | _ _ _ | | |
| 13 – – 14 – | SB-01-13.8 | | | 2.3 1.2 0.6 | very dark greenish gray (10Y 3/1) | | | - - - | | |
| _ |] | | | 0.4 | olive brown (2.5Y 4/4) | | | _ | | |
| 15- | <u> </u> | LL - | | | <u> </u> | | | | OAKBOREV (REV. 6/2008) | |
| - | AM | EC | Geo | matrix | | | Project No. OD1 | 0160070 | Page 1 of 2 | |

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

| | SAN | | | _ ⁰ | | | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|------------------------|---|
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | | NLIMIANAS |
| | | | | 0.1 | LEAN CLAY (CL): cont'd | | 0 |
| - 16- | | | | 0.1 | sand fraction fine to medium | | Grab groundwater sample SB-01 collected through 5 |
| - | | | | 0.3 | | | feet of 1-inch OD Sch. 40 PVC screen (0.010-inch |
| 17- | | | | 0.1 | | _ | slot size) placed in borehole from 15 to 20 |
| _ | | | | 0.1 | | _ | feet bgs. Drive casing retracted from bottom of |
| 18- | | | | 0.2 | | - | boring to 13 feet bgs to maintain surface seal. |
| _ | | | | 0.1 | | - | Depth to water measured |
| 19- | | | | 0.4 | | _ | prior to sampling using an electronic water level |
| - | | | | 0.1 0.1 | | - | meter at 1100 on September 27, 2010: |
| 20- | | | | 0.1 | Bottom of boring at 20.0 feet | | 11.6 feet bgs. |
| 21- | | | | | | | |
| | | | | | | _ | |
| 22- | | | | | | _ | Borehole destroyed using Type I-II neat cement |
| _ | | | | | | - | grout placed from total depth to ground surface |
| 23- | | | | | | - | with a tremie pipe. |
| _ | | | | | | - | |
| 24- | | | | | | - | |
| _ | | | | | | | |
| 25- | | | | | | | |
| 26- | | | | | | | |
| | | | | | | _ | |
| 27- | | | | | | - | |
| _ | | | | | | - | |
| 28- | | | | | | - | |
| _ | | | | | | _ | |
| 29- | | | | | | - | |
| 30- | | | | | | | |
| JU = | | | | | | | |
| 31- | | | | | | _ | |
| _ | | | | | | - | |
| 32- | | | | | | - | |
| - | | | | | | - | |
| 33- | | | 1 | <u> </u> | | | OAKBOREV (REV. 6/2008) |
| AMEC Geomatrix | | | | | Project I | Project No. OD10160070 | |

| PROJI | | | | UBLIN B Californi | OULEVARD a 94568 | | | | Log of Bo | ri | ng No. S | SB-02 |
|---|----------------------|-------------|----------|---|---------------------|--|--------------------|----------------------|-------------------------------------|------|--|---|
| BORIN | | | | | NE corner o | f site | | | ON AND DATU veyed; datun | | ground si | urface |
| DRILL | ING C | ONT | RAC | TOR: Per | eCore Drillir | ıg | | DATE ST 9/27/10 | ARTED: | | DATE FINI 9/27/10 | SHED: |
| DRILL | ING M | ETH | OD: | Direct | push | ·- | | TOTAL D | EPTH (ft.): | | MEASURII | NG POINT: |
| DRILL | ING F | OUIF | PMFN | | obe 7822 DT | | | 17.5 | O WATER (ft.) | | Ground s | COMPL. |
| | | | | • | | ube sampling system [5 | ' v 1 25"1 | LOGGED | , , | | NA | NA |
| | | | | | | | X 1.25] | G. Sten | n <mark>ler</mark> ISIBLE PROFES | SSI | ONAL: | REG. NO. |
| HAMN | | MPLE | | NA | DR | OP: NA | TION | A. Patto | on | П | | PG 8541 |
| DEPTH (feet) | Sample S | | Blows/ c | OVM READING (ppm) | NAME | DESCRIP (USCS): color, moist, % by cementation, react. w | y wt., plast. den | ısity, structı r. | ıre, | | RI | EMARKS |
| | Se | Se | ॼ " | <u> </u> | AODUAL | Surface Elevat | | ırveyed | | | | |
| 1- 2- 3- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14- | SB-02-11.5 SB-02-9.1 | | | 0 0 0 0 0 0 0 0.8 7.5 22 9.2 4.9 | 10% fine | LEAN CLAY (CL): dark grayish bito medium sand, medium sand, medium sand, medium sand, medium (10YR 6/6) and (CL): dark grayish sand, medium plasticity, medium plasticity, | n plasticity, firm | | noist, | | ovide the second logged. OVM = Min calibrated visobutylened second logged. Grab ground SB-02 collefeet of 1-in PVC screed slot size) ploorehole for feet bgs. Experience for the second logged logge | adwater sample ected through 5 ch OD Sch. 40 n (0.010-inch laced in om 12.5 to 17.5 drive casing om bottom of 2.5 feet bgs to urface seal. ater measured appling using an water level 130 on 127, 2010: |
| - | | $\ \cdot\ $ | | | | | | | | - | | |
| 15- | | | _ | | | | | T | | | | DAKBOREV (REV. 6/2008) |
| | AM | EC | Geo | matrix | | | | | Project No. OD1 | 1016 | 50070 | Page 1 of 2 |

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

| | | | | | | _09 00 | J9 | • | D 02 (0011t a) |
|-----------------|---------------|----|------------------|-------------------------|---|---|------------------|------|---|
| DEPTH (feet) | Sample No. | | Blows/ C Foot | OVM READING (ppm) | DESCRI NAME (USCS): color, moist, % cementation, react. | PTION by wt., plast. density, stru w/HCl, geo. inter. | icture, | | REMARKS |
| | | | | | dark grayish brown (2.5Y 4/2) | | | | |
| 40 | | | | | LEAN CLAY (CL): cont'd | | - | - | |
| 16- | | | | | SANDY LEAN CLAY (CL): dark gra | ayish brown (2.5Y 4/2) n | nottled | | |
| 17- | | | | | 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 |
| 19- | | | | | | | - | - | with a tremie pipe. |
| - | | | | | | | - | - | |
| 20- | - | | | | | | - | - | |
| - | | | | | | | - | - | |
| 21- | | | | | | | - | - | |
| - | | | | | | | - | - | |
| 22- | | | | | | | | | |
| 23- | | | | | | | _ | | |
| | | | | | | | | _ | |
| 24- | - | | | | | | - | _ | |
| _ | | | | | | | - | _ | |
| 25- | | | | | | | - | - | |
| - | | | | | | | - | - | |
| 26- | | | | | | | - | - | |
| - | | | | | | | - | - | |
| 27- | | | | | | | - | - | |
| 28- | | | | | | | - | _ | |
| 20- | | | | | | | | | |
| 29- | | | | | | | | _ | |
| | | | | | | | - | _ | |
| 30- | | | | | | | - | - | |
| - | | | | | | | - | - | |
| 31- | | | | | | | - | - | |
| - | 1 | | | | | | - | - | |
| 32- | | | | | | | - | - | |
| - | | | | | | | - | - | |
| 33- | ' | | | | | | | | OAKBOREV (REV. 6/2008) |
| | AM | EC | Geo | matrix | | | Project No. OD10 | 0160 | 0070 Page 2 of 2 |

| ROJE | | | | UBLIN B California | OULEVARD a 94568 | Log of E | Bor | ing No. S | SB-03 |
|--------|-----------------|-------------|------------------|-------------------------|--|-----------------------------------|------------------|-----------------------------|-----------------------------------|
| ORIN | | | | | corner of Service Area 2 sump | ELEVATION AND DAT | | | |
| | | | | | · | Not surveyed; datum DATE STARTED: | ı is ç | ground surfaction DATE FINI | |
| RILLI | NG C | TNC | RAC | TOR: Pen | eCore Drilling | 9/29/10 | | 9/29/10 | יטו ובט. |
| RILLI | NG M | FTH | OD. | Direct | nush | TOTAL DEPTH (ft.): | | | NG POINT: |
| TTILL | | | | Direct | pusii | 16.0 | | Ground st | |
| RILLI | NG E | QUIF | PMEN | IT: Geopr | obe 7822 DT | DEPTH TO WATER (ft. |) | NA NA | COMPL. |
| AMPL | ING N | ΙΕΤΙ | HOD: | Geoprob | e DT21 dual-tube sampling system [5' x 1.25"] | LOGGED BY: G. Stemler | | | |
| AMM | ER W | EIGH | HT: | NA | DROP: NA | RESPONSIBLE PROF A. Patton | ESS | IONAL: | REG. NO. PG 8541 |
| (feet) | Sample S No. | | Blows/ S Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. cementation, react. w/HCl, geo. | density, structure, inter. | | RI | EMARKS |
| | Sa | Sa | BI F | 32 | Surface Elevation: No | ot surveyed | | | |
| | | | | | ASPHALTIC CONCRETE : (4 inches thick) | | $-\Gamma$ | | |
| - | 6. | | | | AGGREGATE BASE : (3 inches thick) | | \dashv | Hand auge | red to 5 feet |
| 1- | SB-03-1.3 | | | 0 | SANDY LEAN CLAY with GRAVEL (CL): oli moist, 60% fines, 25% fine to coarse sand, 1 gravel, medium plasticity, firm | | | bgs. | |
| 2- | -2.8 | | | | | | - | | |
| _ | SB-03-2. | | | | CDAVELLY LEAN OLAV | dark groonish grov | _ | DID ocuir- | nont not |
| 3- | ß | | | | GRAVELLY LEAN CLAY with SAND (CL): (5GY 4/1), moist, 55% fines, 25% fine gravel | | | PID equipn working du | |
| 5 | 3.2 | | | 5800 | sand, medium plasticity, firm | , 20 /0 IIIIC to corse | | | /M reading not |
| 7 | SB-03-3. | | | | | | | available fr | om 4 feet bgs |
| 4- | SB. | | | | | | _ | to total dep | th. |
| | | | | | | | | | |
|] | | | | | | | | | |
| 5- | | П | | | LEAN CLAY (CL): black (2.5Y 2.5/1), moist, | 90% fines, 10% fine | | | |
| 4 | | $ \ \ $ | | | sand, medium plasticity, hard | | - | | |
| 6- | 2 | | | | | | | | |
| | 3-6. | | | | | | | | |
| - | SB-03-6.5 | | | | | | - | | |
| 7- | U) | $ \ \ $ | | | | | - | Oneh | duotes serve |
| | | $ \ \ $ | | | | | | Grab groun | ndwater sample ected through 5 |
| | | $ \ \ $ | | | dark gray (2.5Y 4/1) | | | | ch OD Sch. 40 |
| 8- | | $ \ \ $ | | | , | | | PVC scree | n (0.010-inch |
| 4 | | | | | | | - | slot size) p | |
| 9- | | $ \ \ $ | | | | | | 1 | om 11 to 16 Orive casing |
| 5 | | | | | | | | | om bottom of |
| 7 | | X | | | | | | boring to 1 | 1 feet bgs to |
| 10- | | H | | | | | - | maintain su | |
| | | $ \ \ $ | | | | | | | ater measured npling using an |
| , | 2 | $ \ \ $ | | | | | | electronic v | |
| 11- | <u></u> | | | | | | | meter at 17 | |
| - | SB-03-11.5 | | | | | | - | September | |
| 12- | Š | $ \ \ $ | | | SANDY LEAN CLAY (CL) | | | 14.4 feet b | ys. |
| | | $ \ \ $ | | | | | | | |
| 7 | | $ \ \ $ | | | dark grayish brown (2.5Y 4/2) | | | | |
| 13- | | | | | | | - | | |
| | | $ \ \ $ | | | | | | | |
| | | $ \ \ $ | | | soft | | | | |
| 14- | | H | | | ¥ 301t | | | | |
| - | | X | | | | | - | | |
| 15 | | V | | | | | | | DAKBOREV (REV. 6/2008) |
| | | | Caa | matrix | | Project No. O | D10 ² | | Page 1 of 2 |

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

| SAMPLES 5 DESCRIPTION REMARKS | | | | | | | | | | | | | |
|-------------------------------|---------------|--------|----------------|-------------------------|--|-------------------|--|---|--|--|--|--|--|
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, struc cementation, react. w/HCl, geo. inter. | eture, | F | EMARKS | | | | | |
| | | | | | SANDY LEAN CLAY with GRAVEL (CL) | | | | | | | | |
| 16- | | | | | LEAN CLAY (CL): cont'd | | | | | | | | |
| 17- | | | | | Bottom of boring at 16.0 feet | <u> </u> | Type I-II n grout place depth to g | destroyed using eat cement ed from total round surface | | | | | |
| | | | | | | _ | with a tren | пе ріре. | | | | | |
| 18- | | | | | | | | | | | | | |
| 19- | | | | | | _ | | | | | | | |
| _ | | | | | | _ | | | | | | | |
| 20- | | | | | | _ | | | | | | | |
| | | | | | | - | | | | | | | |
| 21- | | | | | | | | | | | | | |
| 22- | | | | | | | | | | | | | |
| | | | | | | _ | | | | | | | |
| 23- | | | | | | _ | | | | | | | |
| - | | | | | | _ | | | | | | | |
| 24- | | | | | | - | | | | | | | |
| 25 – | | | | | | | | | | | | | |
| 25 | | | | | | _ | | | | | | | |
| 26- | | | | | | _ | | | | | | | |
| _ | | | | | | - | | | | | | | |
| 27- | | | | | | - | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 28- | | | | | | | | | | | | | |
| 29- | | | | | | _ | | | | | | | |
| - | | | | | | _ | | | | | | | |
| 30- | | | | | | - | | | | | | | |
| | | | | | | - | | | | | | | |
| 31- | | | | | | _ | | | | | | | |
| 32- | | | | | | _ | | | | | | | |
| _ | | | | | | - | | | | | | | |
| 33 | | | | | | L | | OAKBOREV (REV. 6/2008) | | | | | |
| | | | _ | matrix | | Project No. OD101 | | Page 2 of 2 | | | | | |

| PROJE | | | | UBLIN B California | | | | | Log of Bo | ri | ng No. | SB-04 |
|-----------------|---------------|---------------|----------------|-------------------------|-------------|--|------------------------|--------------------|------------------------|------|-------------|----------------------------------|
| BORIN | | | | | | SE corner of Bldg. B | | | ON AND DATU | | e around a | curface |
| | | | | - | | | | DATE ST | veyed; datun ARTED: | 1 18 | DATE FIN | NISHED: |
| JKILLI | ING C | UNT | KAC | TOR: Per | ieCore L | חוווזע | | 9/27/10 | | | 9/27/10 | |
| ORILLI | ING M | IETH | IOD: | Direct | push | | | 16.0 | EPTH (ft.): | | Ground | ING POINT: surface |
| ORILLI | ING E | QUIF | PMEN | NT: Geopr | obe 7822 | 2 DT | | DEPTH T | O WATER (ft.) | | FIRST NA | COMPL. |
| SAMPL | LING I | MET | HOD: | : Geoprob | e DT21 | dual-tube sampling system [5' x 1.25 | "] | LOGGED G. Sten | | | | • |
| HAMM | ER W | 'EIGI | HT: | NA | | DROP: NA | | | SIBLE PROFES | SSI | ONAL: | REG. NO PG 8541 |
| | | MPL | ES | 9 | | DESCRIPTION | | | | | | |
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | N | AME (USCS): color, moist, % by wt., pla cementation, react. w/HCl, ge | ast. dens eo. inter | sity, structu - | ıre, | | , F | REMARKS |
| | Sa | Sa | ā L | RE | 00 | Surface Elevation: | Not su | rveyed | | | | |
| _ | | | | | | NCRETE: (4 inches thick) AYEY SAND with GRAVEL (SC): light | divo b | yrown (2.5) | V 5/4) | - | | |
| 1- | | | | 0.4 | moi | ist, 50% fine to coarse sand, 30% med to coarse gravel [FILL] | | | | _ | Hand aug | ered to 5 feet |
| 2- | | | | 0.6 | | | | | | | | |
| _ | SB-04-3.0 | | | 0.5 | | | | | | - | - | niRAE 2000 PI |
| 3- | SB | | | | | | | | | _ | | with 100 ppm e standard. |
| 4- | | | | 0.4 | | | | | | | | |
| _ | | | | | | | | | | _ | | |
| 5- | | | | 0.4 | | AN CLAY (CL): black (2.5Y 2.5/1), mo | ist, 90% | % fines, 10 | % fine | - | | |
| _ | - | | | 0.5 | san | nd, medium plasticity, hard | | | | - | | |
| 6- | -7.0 | | | 0.9 | | | | | | - | | |
| _ | SB-04-7.0 | | | 0.4 | | | | | | - | | |
| 7- | 3, | | | 0.6 | ⊢ GR | AVELLY LEAN CLAY (CL): light olive | brown (| (2.5Y 5/4) | | - | | |
| _ | 8.5 | | | 0.5 | | y dark greenish gray (10Y 3/1) | · | . , | | _ | | |
| 8- | SB-04-8. | | | 0.4 | | | | | | _ | | |
| 0 - | S | | | 0.4 | | | | | | | | |
| 9- | | \bigvee | | | | | | | | | | |
| 10- | - | \bigwedge | | | | | | | | _ | | |
| _ | | | | 0.4 | | | | | | _ | | |
| 11- | 12 | | | 0.4 | _ | NDVI FAN OLAV (OLA 100) 6 | | | | - | Grah grou | ındwater sampl |
| _ | SB-04-12 | | | 0.4 | | NDY LEAN CLAY (CL): 40% fine sand | | | | - | SB-04 col | lected through |
| 12- | ß | | | 0.4 | — SAI | NDY LEAN CLAY (CL): 40% fine sand | , soft | | | - | PVC scree | nch OD Sch. 40 en (0.010-inch |
| - | | | | 0.3 | | k olive brown (2.5Y 3/3) | | | | - | | rom 11 to 16 |
| 13- | | 7 | | | | | | | | | retracted f | Drive casing from bottom of |
| 14- | | V | | | | | | | | _ | | 11 feet bgs to surface seal. |
| - 15- | | $/ \setminus$ | | | | | | | | _ | | |
| 10- | A 1-4 | IEC | Gas | matrix | | | | | Project No. OD: | 104 | 60070 | OAKBOREV (REV. 6/2008 |
| | ΑM | IEU | Geo | matrix | | | | | Project No. OD1 | ıU1 | 01010 | Page 1 of 2 |

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

| | SAN | 1PLE | S | (D | | | | |
|-----------------|-------|------|--------|-------------------------|--|-------------------|-------------|---|
| DEPTH (feet) | | | Blows/ | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structocementation, react. w/HCl, geo. inter. | ure, | F | REMARKS |
| | | П | | 0.4 | LEAN CLAY (CL): cont'd | | | |
| 16- | | | | 0.3 | SANDY LEAN CLAY (CL) | | | |
| 17- | _ | | | | Bottom of boring at 16.0 feet | _ | Type I-II n | destroyed using eat cement ed from total round surface |
| _ | - | | | | | _ | with a trer | nie pipe. |
| 18- | | | | | | - | | |
| _ | - | | | | | _ | | |
| 19- | | | | | | _ | | |
| _ | _ | | | | | _ | | |
| 20- | | | | | | - | | |
| _ | 1 | | | | | - | | |
| 21- | † | | | | | - | | |
| _ | | | | | | | | |
| 22- | | | | | | | | |
| 23- | | | | | | | | |
| | | | | | | | | |
| 24- | | | | | | _ | | |
| | | | | | | _ | | |
| 25- | - | | | | | _ | | |
| _ | - | | | | | _ | | |
| 26- | - | | | | | - | | |
| _ | _ | | | | | - | | |
| 27- | | | | | | _ | | |
| - | | | | | | _ | | |
| 28- | | | | | | - | | |
| _ | † | | | | | - | | |
| 29- | 1 | | | | | | | |
| 20 |] | | | | | | | |
| 30- | | | | | | | | |
| 31- | | | | | | | | |
| | | | | | | _ | | |
| 32- | | | | | | _ | | |
| _ | | | | | | - | | |
| 33- | | | | | | | | OAKBODEL (TEXT TO TEXT |
| | A 1.4 | E0 | Geo | matrice | T ₀ | Project No. OD404 | 60070 | OAKBOREV (REV. 6/2008) |
| Ĺ | AM | こし | uec | matrix | P | Project No. OD101 | 00070 | Page 2 of 2 |

| PROJE | ECT: | | UBLIN B | | | | Log of Bo | ori | ing No. | SB-05 |
|-----------------|------------|---------------------------|-------------------------|-------------|---|--------------------------------|------------------------|------|--------------------------|-----------------------------------|
| BORIN | IG LO | | | | f SE corner of N site parcel | | ON AND DATU | | | |
| | | | | | • | Not sur | veyed; datur ARTED: | n is | s ground s DATE FIN | |
| DRILL | ING C | ONTRAC | TOR: Pen | eCore | Drilling | 9/28/10 | 1 | | 9/28/10 | |
| DRILL | ING M | IETHOD: | Direct | push | | 15.0 | DEPTH (ft.): | | Ground | |
| DRILL | ING E | QUIPME | NT: Geopr | obe 782 | 2 DT | | O WATER (ft.) | | FIRST NA | NA |
| SAMP | LING | METHOD | : Geoprob | e DT21 | dual-tube sampling system [5' x 1.25"] | LOGGED G. Sten | nler | | | |
| HAMM | IER W | /EIGHT: | NA | | DROP: NA | RESPON A. Patto | ISIBLE PROFES On | SSI | IONAL: | REG. NO. PG 8541 |
| DEPTH (feet) | Sample No. | Sample Blows/ Sample Foot | OVM READING (ppm) | ٨ | DESCRIPTION IAME (USCS): color, moist, % by wt., plast. d cementation, react. w/HCl, geo. in | lensity, structu | ure, | | R | EMARKS |
| | Sar | Sar | RE (| | Surface Elevation: Not | surveyed | | | | |
| | | | | AS | PHALTIC CONCRETE : (1 inch thick) | - | | | | |
| - | 0.7 | | | AG | GGREGATE BASE : (3 inches thick) | | | 7 | Hand auge | ered to 5 feet |
| 1- | SB-05-0.7 | | | gre | AN CLAY (CL): black (2.5Y 2.5/1) trace mo eenish gray (10Y 3/1), moist, 90% fines, 10% esticity, firm | | | _ | bgs. | |
| 2- | 5-2.0 | | | | • | | | - | | |
| _ | SB-05-2.0 | | | | | | | L | | |
| 3- | | | | | | | | L | | |
| _ | | | | | | | | L | | |
| | | | | | | | | | | |
| 4- | 1 | | | | | | | | | |
| - | 1 | | | T ali | ve brown (2.5Y 4/3) | | | - | | |
| 5- | | | | V | 7e blowii (2.51 4/3) | | | - | | |
| _ | | | | | | | | - | | |
| 6- | _ | | | | | | | - | | |
| _ | | | | | | | | | | |
| 7 | | | | | | | | | | ndwater sample |
| 7- | | | | | | | | | | ected through 5 ich OD Sch. 40 |
| - | | | | | | | | F | PVC scree | en (0.010-inch |
| 8- | | | | | | | | - | slot size) p | placed in rom 10 to 15 |
| _ | _ | | | | | | | L | | Orive casing |
| 9- | | Ш | | | | | | | | rom bottom of |
| _ | | \mathbb{N} | | | | | | | | 0 feet bgs to urface seal. |
| | | | | | | | | | | ater measured |
| 10- | 1 | П | | | | | | | electronic | mpling using an water level |
| _ | r¿. | | | | | | | - | meter at 14 | 400 on |
| 11- | SB-05-11 | | | | | | | - | September 11.2 feet b | |
| - | SB- | | | | NDY LEAN CLAY (CL): olive brown (2.5Y | 4/3) moist 6 | 35% | + | | <u> </u> |
| 12- | 1 | | | | es, 35% fine sand, medium plasticity, firm | -1,0 ₁ , 1110131, C | , o , o | - | | |
| _ | | | | | | | | - | | |
| 13- | | | | | | | | L | | |
| 13 | | H | | ↓ LE | AN CLAY (CL): black (2.5Y 2.5/1) | | | | | destroyed using |
| _ | 1 | $ \rangle / $ | | | | | | | | eat cement ed from total |
| 14- | 1 | | | | | | | - | depth to gr | round surface |
| - | 1 | $ / \setminus $ | | Ro | ttom of boring at 15.0 feet | | | - | with a trem | nie pipe. |
| 15- | | <u>/ \</u> | | ьо | ttom of borning at 10.0 leet | | | | | OAKBOREV (REV. 6/2008) |
| | ΔΝ | IFC Ger | omatrix | | | | Project No. OD | 101 | | Page 1 of 1 |
| | Al' | 56 | ATTIGUE IX | | | | . 10,000 140. OD | | | . 490 1 01 1 |

| BORING LOCATION. SE corner of northern site parcel, near storm drain DRILLING CONTRACTOR: PeneCore Drilling DRILLING METHOD: Direct push DRILLING METHOD: Geoprobe 7822 DT DRILLING METHOD: Geoprobe 7822 DT DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING METHOD: Geoprobe DT21 dual-tube sampling system [5" x 1.25"] DRILLING MET | PROJECT: | | | UBLIN B Californi | | AKD | | Log of Bo | ri | ng No. | SB-06 |
|--|--|--|---------------|----------------------|-------------------|--|---------------|---------------|-----------------|---|---|
| DRILLING CONTRACTOR: PeneCore Drilling SPISA10 | BORING LO | | | | | thern site parcel, near storm drain | | - | | around s | urface |
| RILLING METHOD: Direct push TOTAL DEPTH (ft.): MEASURINE POINT | DII LING | | rrac | TOP: Por | naCoro F | Orilling | DATE ST | TARTED: | 1 13 | DATE FIN | IISHED: |
| RILLING EQUIPMENT: Geoprobe 7822 DT Commission Commi | 'NILLING | CONT | KAU | TOR. PEI | iecole L | niiii iy | | | | | INC DOINT: |
| AMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] AMMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] AMMER WEIGHT: NA DROP: NA DROP: NA RESPONSIBLE PROFESSIONAL: PG 8: SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SUBJECT OF STATE (USCS): color, moist. % by wt., plast. density, structure, cementation, react. wHCl, geo. inter: Surface Elevation: Not surveyed ASPHALTIC CONCRETE: (1 inch thick) CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5f1), moist. 90% fines. 10% fine and, medium plasticity, firm OVM = MiniRAE 2000 callibrated with 100 ppr isobutylene standard. Grab groundwater sam set of the standard of the standard of the standard of the standard. Grab groundwater sam set of the standard of the | RILLING | METH | HOD: | Direct | push | | | νΕΡΙΗ (π.): | | Ground | |
| AMMER WEIGHT: NA DROP: NA DROP: NA DESCRIPTION A Patton A Patton REMARKS R | RILLING | EQUII | PMEN | NT: Geopr | obe 7822 | PDT | DEPTH T | O WATER (ft.) | | | |
| AMMER WEIGHT: NA DROP: NA RESPONSIBLE PROFESSIONAL: REG I A. Patton Patton ASMPLES DESCRIPTION NAME (USCS): color, moist, % by wt. plast, density, structure, cementation, react, wHCl, geo. inter. Surface Elevation: Not surveyed ASPHALTIC CONCRETE: (1 inch thick) CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5t1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000. calibrated with 100 ppr isobutylene standard. | AMPLING | МЕТ | HOD | : Geoprob | e DT21 o | lual-tube sampling system [5' x 1.25"] | | | | | |
| DESCRIPTION NAME (USCS): color, moist, 5 by wt, plast, density, structure, cementation, react, wHoLi, geo, inter. Surface Elevation: Not surveyed ASPHALTIC CONCRETE: (1 inch thick) CONCRETE: (18 inches thick) CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5f1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene stand | HAMMER \ | NEIG | HT: | NA | | DROP: NA | RESPON | ISIBLE PROFES | SSIC | ONAL: | REG. NO |
| ASPHALTIC CONCRETE: (1 inch thick) CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. Grab groundwater sam SB-06 collected through of the collected from the col | т ├ | $\overline{}$ | | NG (c | N | | | | | R | |
| ASPHALTIC CONCRETE: (1 inch thick) CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. or contains trace gravel olive brown (2.5Y 3/3) contains trace gravel olive brown (2.5Y 4/3) or contains trace gravel olive brown (2.5Y 4/3) Contains trace gravel olive brown (2.5Y 6/3), wet, 55% fine to medium sand, 45% medium plasticity fines LEAN CLAY (CL): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines LEAN CLAY (CL): light olive brown (2.5Y 5/3) mottled with yellowish brown (10/8 5/6), moist, 90% fines, 10% fine sand, medium black (2.5Y 2.5/1) Borehole destroyed us Type I-Il neat cement to gravel adepth to ground surface with a tremie pipe. | (feet | ample | lows/ -oot | OVN EADI (ppm | 110 | cementation, react. w/HCl, geo. in | iter. | | | | |
| CONCRETE: (18 inches thick) LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. Grab groundwater sam SB-06 collected throug feet of 1-inch OD Sch. PVC screen (0.101-inc slot size) placed in borehole from 10 to 15 store) to sampling using retracted from bottom. Config to 10 feet bys to maintain surface seal. Depth to water level meter at 1105 on September 28, 2010: 10.8 feet bgs. CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines LEAN CLAY (CL): black (2.5Y 2.5/1) CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines LEAN CLAY (CL): black (2.5Y 2.5/1) Borehole destroyed us Type I-II neat cement to ground surface with a tremie pipe. | - S | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | B - | α. | 100 | | surveyed | | \square | | |
| LEAN CLAY (CL): black (2.5Y 2.5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. OVM = MiniRAE 2000 calibrated with 100 ppr isobutylene standard. Grab groundwater sam SB-06 collected through feet of 1-inch OD Sch. PVC screen (0.010-inc slot size) placed in borehole from 10 to 15 feet bgs. Drive casing retracted from 10 to 16 feet bgs. Drive casing prior to sampling using electronic water level meter at 1105 on medium sand, 45% medium plasticity fines 12- 13- 14- Borehole destroyed us Type I-II neat cement four place from total depth to ground surface with a tremie pipe. | | | | | _ | · · · · · · · · · · · · · · · · · · · | | | | | |
| dark olive brown (2.5Y 3/3) contains trace gravel olive brown (2.5Y 4/3) contains trace gravel olive brown (2.5Y 4/3) Crab groundwater san SB-06 collected through feet of 1-inch OD Sch. PVC screen (0.010-inc slot size) placed in bornehole from 10 to 15 feet bgs. Drive casing tractact from bottom boring to 10 feet bgs to maintain surface seal. Depth to water measure prior to sampling using electronic water level meter at 1105 on September 28, 2010: 10.8 feet bgs. CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines where the sample of the sand, 45% medium plasticity fines and, 45% fines a | 2- | | | | | | 00% fines, 10 | 0% fine | - - - | | |
| Depth to water measur prior to sampling using electronic water level meter at 1105 on September 28, 2010: 10.8 feet bgs. CLAYEY SAND (SC): light olive brown (2.5Y 5/3), wet, 55% fine to medium sand, 45% medium plasticity fines 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 black (2.5Y 2.5/1) Borehole destroyed us Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. | 4- 4- 5- 6- 7- 8- | | | 0 0 0 | con | tains trace gravel | | | | Grab grou SB-06 coll feet of 1-ir PVC scree slot size) p borehole f feet bgs. retracted f boring to 1 maintain s | ndwater sample ected through sich OD Sch. 40 en (0.010-inch blaced in rom 10 to 15 Drive casing rom bottom of 10 feet bgs to urface seal. |
| Bottom of boring at 15.0 feet | 11 - 88 12 - 13 13 13 13 13 13 13 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15 | | | 0 0 0 | LEA brown plas | dium sand, 45% medium plasticity fines AN CLAY (CL): light olive brown (2.5Y 5/3) wn (10YR 5/6), moist, 90% fines, 10% fine sticity, firm | mottled with | yellowish | | prior to sa electronic meter at 1 Septembe 10.8 feet b Borehole o Type I-II n grout place depth to g | mpling using ar water level 105 on r 28, 2010: ogs. destroyed using eat cement ed from total round surface |
| OAKROREV (REV 6 | 15 | / \ | | | Bot | tom of boring at 15.0 feet | | | | | |
| AMEC Geomatrix Project No. OD10160070 Page 1 of 1 | | | | | | | | | | | OAKBOREV (REV. 6/2008 |

| BORING LOCATION: 70' W, 35' S of NE corner of southern site parcel DRILLING CONTRACTOR: PeneCore Drilling DRILLING METHOD: Direct push DRILLING EQUIPMENT: Geoprobe 7822 DT SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' | PROJE | | | | | OULEV a 94568 | | | Log of Bo | ori | ing No. | SB-07 |
|--|----------------|------------|-------|------------|----------------|-------------------|---|---------------|----------------|--------------------|--|---|
| DRILLING CONTRACTOR: PeneCore Drilling DRILLING METHOD: Direct push DRILLING METHOD: Direct push DRILLING METHOD: Direct push DRILLING METHOD: Geoprobe 7822 DT DEPTH TO WATER (th.) 13.2 NA SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] G. Stemher HAMMER WEIGHT: NA DROP: NA DESCRIPTION DESCRIPTION RESPONSIBLE PROFESSIONAL: REG. N. REMARKS SAMPLES | BORIN | | | | | | | | | | - arc.ul - | urfooc |
| DRILLING METHOD: Direct push TOTAL DEPTH (ft.): Ground surface | | | | | | | <u> </u> | DATE S | TARTED: | 11 15 | DATE FIN | IISHED: |
| DRILLING ME IHOD: Direct push Triangle Goulpment: Geoprobe 7822 DT DRILLING GOUNDENT: Geoprobe 7822 DT DEPTH TO WATER (ft.) FIRST COMPL. 13.2 NA SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5' x 1.25'] G. Stemler HAMMER WEIGHT: NA DROP: | DKILLI | NG C | UNIF | KACTO | r: Pen | ecore | gniiing | | | | 9/29/10 | |
| DRILLING ECUIPMENT: Geoprobe 7822 DT SAMPLING METHOD: Geoprobe DT21 dual-tube sampling system [5 x 1.25"] HAMMER WEIGHT: NA DROP: NA DROP: NA DESCRIPTION A. Patton PG 854 SAMPLES SAMP | DRILLI | NG M | ETHC | OD: | Direct | push | | | DEPTH (ft.): | | Ground | surface |
| HAMMER WEIGHT: NA DROP: NA A. Patton RESPONSIBLE PROFESSIONAL: REG. NI R. P. R. R. R. P. R. R. P. R. R. R. R. P. R. R. R. R. P. R. | DRILLI | NG E | QUIPI | MENT: | Geopr | obe 782 | 2 DT | | ` ' | | | |
| DROP: NA DROP: NA DROP: NA A. Patton PG 854 DROP: NA DESCRIPTION NAME (USCS): color, moist, \$9 wt, plast, density, structure. comenation, react wHCl, geo. to comenation. React wHCl, | SAMPI | ING N | METH | IOD: G | Geoprob | e DT21 | dual-tube sampling system [5' x 1.25"] | G. Ste | mler | | | |
| NAME (USCS): color, moist, % by wit, plast density, structure, cementation, read, wHcl, geo, inter. NAME (USCS): color, moist, % by wit, plast density, structure, cementation, read, wHcl, geo, inter. | HAMM | ER W | EIGH | IT: N | IA. | | DROP: NA | | | SSI | ONAL: | REG. NO. PG 8541 |
| ASPHALTIC CONCRETE: (2 inches thick) AGGREGATE BASE: (8 inches thick) GRAVELITY 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 Thank augered to 5 feet bgs. OVM = MiniRAE 2000 P calibrated with 100 ppm isobutylene standard. OVM = MiniRAE 2000 P calibrated with 100 ppm isobutylene standard. Grab groundwater samp SB-07 collected through feet of 1-inch 0D Sch, 4 fines and, medium plasticity, firm trace gravel Trace gravel O SANDY LEAN CLAY with GRAVEL (CL): soft O SANDY LEAN CLAY with GRAVEL (CL): soft O CLAYEY SAND (SC): wet | EPTH (feet) | | | Soot Si | ADING (ppm) | Ν | IAME (USCS): color, moist, % by wt., plast. d | | ture, | | R | REMARKS |
| AGGREGATE BASE : (8 inches thick) 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 hard LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% Tine sand, medium plasticity, firm trace gravel LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% Sand place of 1-inch OD Sch. 4 PVC screen (0.010-inch slot) size placed in borehole from 12 to 17 feet bgs. Drive casing on maintain surface seal. Depth to water measure unitation brown to 12 feet bgs to brown to 12 feet bgs to 12 feet bgs to 12 feet bgs to 12 feet bgs to 12 feet bgs. Drive casing unitation surface seal. Depth to water measure meter at 94 feet of 1-inch obtom of borning to 12 feet bgs to 12 feet bgs to 12 feet bgs to 12 feet bgs to 13.8 feet bgs. CLAYEY SAND (SC): wet | | Sa | Sa | ă <u> </u> | RE (| | Surface Elevation: Not | surveyed | | | | |
| 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 Thand LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fines sand, medium plasticity, firm LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fines sand, medium plasticity, firm Trace gravel Grab groundwater samp SB-07 collected through feet of 1-inch OD SAN form 12 to 17 feet bgs. Drive casing retracted from bottom of borning to 12 feet bgs to maintain surface seal. Depth to water measure prior to sampling using a electronic water level meter at 945 on September 29, 2010: 13.8 feet bgs. CLAYEY SAND (SC): wet | | | | | | AS | PHALTIC CONCRETE : (2 inches thick) | | | Π | | |
| 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 Thand GRAVELLY LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fines and, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Grab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel fine sand, medium pla | - | | | | | AG | GREGATE BASE : (8 inches thick) | | | | Hand auge | ered to 5 feet |
| albitrated with 100 ppm isobutylene standard. Carab groundwater samp SB-07 collected through fine sand, medium plasticity, firm trace gravel Carab groundwater samp SB-07 collected through feet of 1-inch OD Sch. 4 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. Drive casing retracted from bottom of boring to 12 feet bgs. Drive casing retracted from bottom of boring to 12 feet bgs. Drive casing retracted from bottom of some prior to sampling using a electronic water level melter at 945 on September 29, 2010: 13.8 feet bgs. CLAYEY SAND (SC): wet CLAYEY SAND (SC): wet CAYEY SAND (SC): | _ | | | | | mo | ist, 65% fines, 20% fine gravel, 15% fine to | | | | _ | |
| SB-07 collected through feet of 1-inch OD Sch. 4 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 neasure prior to sampling using a electronic water level meter at 945 on September 29, 2010: 13.8 feet bgs. OCLAYEY SAND (SC): wet | 4- | | | | | | | | | | calibrated | with 100 ppm |
| LEAN CLAY (CL): olive brown (2.5Y 4/3), moist, 90% fines, 10% fine sand, medium plasticity, firm SB-07 collected through feet of 1-inch OD Sch. 4! 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 measure- prior to sampling using a electronic water level meter at 945 on September 29, 2010: 13-07-08-08-08-08-08-08-08-08-08-08-08-08-08- | | | | | | | | | | | | |
| SANDY LEAN CLAY with GRAVEL (CL): soft 12 - 0 | 8- 8- 9- | | | | | fine | e sand, medium plasticity, firm | ist, 90% fine | es, 10% | _ _ _ _ | SB-07 coll feet of 1-ir PVC scree slot size) p borehole f feet bgs. I retracted f boring to 1 maintain s | lected through 5 inch OD Sch. 40 en (0.010-inch blaced in rom 12 to 17 Drive casing from bottom of 12 feet bgs to jurface seal. |
| CLAYEY SAND (SC): wet | _ | SB-07-12.5 | | | 0 | □ [_] SA | NDY LEAN CLAY with GRAVEL (CL): soft | | | - - - | electronic meter at 9 Septembe | water level 45 on r 29, 2010: |
| OAKBOREV (REV. 6/20 | 14- | SB-07-13.2 | | | | □– cl | AYEY SAND (SC): wet | | | _ | | |
| AMEC Geomatrix Project No. OD10160070 Page 1 of 2 | 15- | l | r V | | | | | | | | 1 | OAKBOREV (REV. 6/2008) |
| | | AM | EC (| Geom | natrix | | | | Project No. OD | 101 | 60070 | Page 1 of 2 |

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

| | | | | | | | , |
|-------------------|----|-----------|--------------------|-------------------------|---|-----|---|
| DEPTH (feet) | | Sample 17 | Blows/ (5) 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 |
| 18- - | - | | | | | _ | grout placed from total depth to ground surface with a tremie pipe. |
| 19 – 20 – | - | | | | | _ | |
| 21 – - | - | | | | | _ | |
| 22- - 23- | | | | | | _ | |
| 23- | - | | | | | _ | |
| 25 – – | - | | | | | _ | |
| 26 – – 27 – | - | | | | | _ | |
| 28- | | | | | | _ | |
| 29- | | | | | | | |
| 30- | - | | | | | _ | |
| 32- - | - | | | | | _ | |
| 33- | | | | | | L | OAKBOREV (REV. 6/2008) |
| | AM | EC (| Geo | matrix | Project No. OD | 101 | |
| | | | | | 1 * | | |

| PROJECT: 7544 DUBLIN E Dublin, Californ | | Log of Bo | oring No. S | SB-08 |
|--|---|---|---------------------|---|
| BORING LOCATION: 135' S, | 60' W of NE corner of southern site parcel | ELEVATION AND DATU | | urfoos |
| DRILLING CONTRACTOR: Per | neCore Drilling | Not surveyed; datum DATE STARTED: 9/29/10 | DATE FIN 9/29/10 | ISHED: |
| DRILLING METHOD: Direct | t push | TOTAL DEPTH (ft.): 20.0 | MEASURII Ground | NG POINT: surface |
| DRILLING EQUIPMENT: Geop | robe 7822 DT | DEPTH TO WATER (ft.) | FIRST 15.3 | COMPL. |
| SAMPLING METHOD: Geoprol | be DT21 dual-tube sampling system [5' x 1.25"] | LOGGED BY: G. Stemler | | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFES A. Patton | SSIONAL: | REG. NO. PG 8541 |
| DEPTH (feet) Sample No. Sample Blows/ Foot OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. d cementation, react. w/HCl, geo. ir | ensity, structure, tter. | RI | EMARKS |
| N | | surveyed | | |
| | AGGREGATE BASE : (7 inches thick) | | | |
| 1 2- | GRAVELLY LEAN CLAY (CL): black (2.5Y 2. fines, 20% fine gravel, 15% fine to coarse san firm | | Hand auge | ered to 5 feet |
| 3- | | | | niRAE 2000 PID with 100 ppm e standard. |
| 5- | | | | |
| 6- - 7- | — CLAYEY SAND with GRAVEL (SC): olive brown with yellowish red (5YR 5/6) — CLAYEY SAND with GRAVEL (SC) | wn (2.5Y 4/3) mottled | _ _ _ | |
| - | | | | |
| 8- | CLAYEY SAND with GRAVEL (SC) | | | |
| 9- | | | | |
| - // | | | | |
| 10 0 | LEAN CLAY with SAND (CL): olive brown (2. fines, 20% fine to coarse sand, medium plasting trace coarse gravel | | 1- - | |
| | firm | | | |
| 12- 0 | | | | |
| | | | | |
| 40 | | | | |
| 13- | | | <u> </u> | |
| 13- | | | _ | |
| $ \bigvee $ | | ROJECT\OD10160070 10000_LOGS GINTDF | | DAKBOREV (REV. 6/2008) |

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

| I | SAN | | | _ g _ | DECODIDATION | | - | REMARKS |
|-----------------|---------------|---------------|----------------|-------------------------|---|----------|---------------|-----------------------------------|
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | | | |
| | 15.7 | | | 0 | LEAN CLAY with SAND (CL): cont'd | | | |
| _ | SB-08-15.7 | | | 0 | 55% fines, 45% fine sand | - | Grab grou | indwater sample |
| 16- | SE | | | · · | | - | SB-08 col | lected through 5 |
| _ | | | | 0 | | - | | nch OD Sch. 40 en (0.010-inch |
| 17- | | | | | | - | slot size) | olaced in from 15 to 20 |
| _ | | | | 0 | LEAN CLAY (CL) black (2.5Y 2.5/1) | _ | feet bgs. | Drive casing |
| 18- | | \ / | | | ₩ DIACK (2.5 ¥ 2.5/1) | _ | | from bottom of 15 feet bgs to |
| _ | | $ \rangle /$ | | | | _ | maintain s | surface seal. |
| 19- | | X | | | | _ | | vater measured mpling using an |
| _ | | / | | | | L | electronic | water level |
| 20- | | $/ \setminus$ | V | | | | meter at 8 | s50 on er 29, 2010: 15.2 |
| 20- | | | | | Bottom of boring at 20.0 feet | | feet bgs. | |
| - | | | | | | | | |
| 21- | | | | | | | | |
| _ | | | | | | - | | destroyed using eat cement |
| 22- | | | | | | _ | grout place | ed from total |
| _ | | | | | | | with a tren | round surface nie pipe. |
| 23- | | | | | | - | | - 1-1-1 |
| _ | | | | | | - | | |
| 24- | | | | | | _ | | |
| _ | | | | | | _ | | |
| 25- | | | | | | - | | |
| _ | | | | | | - | | |
| 26- | | | | | | - | | |
| _ | | | | | | - | | |
| 27- | | | | | | _ | | |
| _ | | | | | | - | | |
| 28- | | | | | | - | | |
| - | | | | | | - | | |
| 29- | | | | | | _ | | |
| _ | | | | | | _ | | |
| 30- | | | | | | _ | | |
| _ | | | | | | _ | | |
| 31- | | | | | | | | |
| | | | | | | | | |
| 32- | | | | | | | | |
| _ | | | | | | | | |
| 33- | | | | | | | | |
| | | | | | I:\PROJECT\\OD10160070\10000_LOGS\GIN | IT\DRAWI | NGS\SB-08.GDW | OAKBOREV (REV. 6/2008) |
| | AM | EC | Geo | matrix | Project No. 0 | DD101 | 60070 | Page 2 of 2 |

| ROJE | | | | UBLIN B Californi | OULEVARD a 94568 | Log of B | or | ing No. S | SB-09 |
|----------|---------------|---------------------------|----------------|-------------------------|---|------------------------------|----------|--------------------------|-------------------------------|
| ORIN | | | | | of SE corner of Bldg. B | ELEVATION AND DAT | | | |
| | | | | 120 11 | or of blag. b | Not surveyed; datu | m i | S ground SU DATE FINI | |
| RILLII | NG C | TNC | RAC | TOR: Per | eCore Drilling | 9/28/10 | | 9/28/10 | |
| RILLII | NG M | ETH | OD: | Direct | push | TOTAL DEPTH (ft.): 15.0 | | | NG POINT: |
| RILLI | NG E | QUIF | PMEN | NT: Geopr | obe 7822 DT | DEPTH TO WATER (ft.) |) | FIRST NA | COMPL. |
| AMPL | ING N | /ETI | HOD: | Geoprob | e DT21 dual-tube sampling system [5' x 1.25"] | LOGGED BY: | | INA | INA |
| AMME | | | | NA | DROP: NA | G. Stemler RESPONSIBLE PROFE | ESS | IONAL: | REG. NO. |
| £ 🚓 | SAN | | | | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. o | A. Patton | | RI | <u> PG 8541</u> EMARKS |
| (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | cementation, react. w/HCl, geo. in | nter. | _ | | |
| | (V) | S | 1 | | | surveyed | + | | |
| | | | | | CONCRETE : (4 inches thick) | | - | | |
| | | | | 0 | AGGREGATE BASE : (3 inches thick) | | \dashv | Hand auge | red to 5 feet |
| 1- | | | | | SANDY LEAN CLAY with GRAVEL (CL): oliv | | - | bgs. | |
| _ | | | | _ | moist, 60% fines, 20% fine to coarse sand, 20 |)% fine to coarse | _ | | |
| | | | | 0 | gravel, medium plasticity, firm [FILL] | | | | |
| 2- | _ | | | | | | | | |
| - | SB-09-3.0 | | | 0 | | | - | O\/\\\ - \\\\: | niRAE 2000 PIC |
| 3- | B-0(| | | U | CLAYEY SAND (SC) | | | _ | with 100 ppm |
| | Ś | | | | LEAN CLAY with SAND (CL): olive brown (2. | | | isobutylene | |
| \dashv | | | | 0 | fines, 20% fine to coarse sand, medium plast | icity, firm | - | | |
| 4- | 6.4 | | | 0 | | | _ | | |
| | SB-09-4 | | | | | | | | |
| 7 | SB- | | | 0 | dark greenish gray (5GY 4/1) | | - | | |
| 5- | | | | | <u> </u> | 10/ finan 400/ fin | + | | |
| | | | | | LEAN CLAY (CL): black (2.5Y 5/1), moist, 90 sand, medium plasticity, firm | 1% tines, 10% fine | | | |
| ٦ | 0.0 | | | 0 | sanu, medium piasticity, iifm | | | | |
| 6- | SB-09-6.0 | | | | | | - | | |
| | SB- | | | | | | _ | | |
| | - | | | 0 | | | | | |
| 7- | | | | | | | - | | |
| _ | | | | | | | _ | | |
| | | | | | | | | | |
| 8- | | | | 0 | | | - | | |
| 4 | | | | U | contains trace gravel | | - | | |
| 9- | | | | | grayish brown (2.5Y 5/2) | | | | |
| 3 | | H | | | , , | | | | |
| + | | X | | | | | - | | |
| 10- | | $\langle \lambda \rangle$ | | | | | _ | | |
| | | | | | | | | | |
| \dashv | | | | 6 | | | | | |
| 11- | <u>~</u> | | | | | | - | | |
| | SB-09-11.8 | | | ^ | | | | | |
| ٦ | 98-0 | | | 0 | | | | | |
| 12- | S | | | | SANDY LEAN CLAY (CL) | | - | | |
| | | | | | - SAINDT LEAIN CLAT (CL) | | _ | | |
| . | | | | | → soft | | | | estroyed using |
| 13- | | | | | • | | - | Type I-II ne | |
| 4 | | | | | | | - | | ed from total ound surface |
| , | | | | | | | | with a trem | |
| 14- | | | | | | | - | with a field | io pipe. |
| 4 | | | | | Bottom of boring at 15.0 feet | | - | | |
| 15 | | Ш | | | Dottom of borning at 10.0 leet | | | | DAKBOREV (REV. 6/2008) |
| | | | _ | matrix | | Project No. OI | | | Page 1 of 1 |

| PROJEC | | | | UBLIN B Californi | OULEVARD a 94568 | | Log of Bo | orin | g No. | SB-10 |
|-----------------|---------------|------------|----------------|-------------------------|--|--------------------------|-------------------------|-------------|-----------------------------|-----------------------------------|
| BORING | | | | | nd of car wash | | TION AND DATU | | | |
| | | | | | | | rveyed; datum | n IS g ⊤ | <u>Iround s</u> DATE FIN | IISHED: |
| RILLIN | IG C | ONT | RAC | TOR: Per | eCore Drilling | 9/28/1 | | (| 9/28/10 | |
| RILLIN | IC M | FTH | OD. | Direct | nush | TOTAL | DEPTH (ft.): | 1 | MEASUR | ING POINT: |
| - 1 VILLIIV | . 🔾 171 | | JD. | Direct | | 16.5 | | | Ground IRST | surface ! COMPL. |
| RILLIN | IG E | QUIF | PMEN | NT: Geopr | obe 7822 DT | DEPTH | TO WATER (ft.) | | VA | NA |
| SAMPLI | ING I | МЕТ | HOD: | Geoprob | e DT21 dual-tube sampling system [5' x 1.25"] | LOGGE G. Ste | | ' | | |
| HAMME | R W | EIGI | HT: | NA | DROP: NA | RESPO | NSIBLE PROFES | SSION | IAL: | REG. NO |
| | SAI | MPLI | ES | <u></u> ტ | DESCRIPTION | A. Pat | <u>tori</u> | | | j PG 8541 |
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | NAME (USCS): color, moist, % by wt., plast. cementation, react. w/HCl, geo. | density, struc inter. | ture, | | R | REMARKS |
| | San | San | B F | RE, G | | t surveyed | | | | |
| | | | | | CONCRETE : (4 inches thick) | | | | | |
| 1- | | | | | LEAN CLAY with SAND (CL): black (2.5Y 2. 20% fine to coarse sand, medium plasticity, f | | 30% fines, | 1 1 | land aug gs. | ered to 5 feet |
| 2- | | | | | CLAYEY SAND with GRAVEL (SC): light ye 6/4), moist, 50% fine to coarse sand, 25% fin | | | <u>-</u> | | |
| \dashv | | | | | 25% medium plasticity fines | | | - |)\/M = Mi | niRAE 2000 PI |
| 3- | | | | | | | | - c | alibrated | with 100 ppm |
| 4 | 4.0 | | | | | | | _ is | sobutylen | e standard. |
| 4- | SB-10-4.0 | | | | | | | | | |
| | Ś | | | | | | | | | |
| ٦ | | | | | LEAN CLAY (CL): black (2.5Y 2.5/1), moist, | 90% fines, 1 | 0% fine | | | |
| 5- | | | | 13.2 | sand, medium plasticity, firm | | | | | |
| 7 | | | | | | | | - | | |
| 6- | | | | 5.3 | | | | - | | |
| - | | | | 5.3 0 | | | | - | | |
| 7- | | | | U | | | | | | |
| | | | | 3.1 | contains trace gravel dark grayish brown (2.5Y 4/2) | | | | | |
| | | | | 4.7 | T uair giayisii biowii (2.31 4/2) | | | | | |
| 8- | 9.0 | | | 26.2 | | | | | | |
| 7 | SB-10-9.0 | | | 20.2 | | | | | | |
| | | / | | | | | | - | Grah ara | undwater samp |
| 4 | -10.5 | X | | | | | | - : | SB-10 cc | llected through |
| 10- | SB-10-10 | | | • | | | | L 1 | feet of 1- | inch OD Sch. 4 een (0.010-inch |
| | S | | | 0 | | | | 1 1 | | placed in |
| 11- | | | | 0 | | | | | borehole | from 11.5 to 16 |
| | 1.5 | | | • | SANDY LEAN CLAY (CL): dark grayish brov | | , moist, | | | Drive casing from bottom of |
| 7 | SB-10-11 | | | 0 | 65% fines, 35% fine sand, medium plasticity, LEAN CLAY CL (CL) | 9011 | | | boring to | 11.5 feet bgs to |
| 12- | SB | | | 13 | LEAN GLAT GL (GL) | | | | | surface seal. water measure |
| - | | Щ | | 0 | | | | - | prior to s | ampling using a |
| 13- | | 1 / | | | | | | | electronion meter at | c water level 840 on |
| _ | | $ \cdot $ | | | | | | - : | Septemb | er 28, 2010: |
| 14- | | $ \chi $ | | | | | | | 15.5 feet | bgs. |
| + | | | | | | | | | | |
| 15 | | <i>!</i> \ | | | E | PROJECT\\OD1016 | 0070\10000_LOGS\GINT\DR | RAWINGS | \SB-10.GDW | OAKBOREV (REV. 6/2008 |
| | AM | IEC | Geo | matrix | | | Project No. OD1 | 101600 | 070 | Page 1 of 2 |

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

| | | | | | | | | ., |
|-----------------|---------------|----|-----|-------------------------|---|-----------|----------------|--|
| DEPTH (feet) | Sample No. | | _ | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | | F | 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 | | | |
| 17- - | | | | J | Bottom of boring at 16.5 feet | _ | Type I-II r | destroyed using leat cement led from total |
| 18- | _ | | | | | _ | with a tren | round surface nie pipe. |
| 19- | | | | | | _ | | |
| 20- | - | | | | | _ | | |
| 21- | - | | | | | _ | | |
| - 22- | | | | | | _ | | |
| - | _ | | | | | _ | | |
| 23 – – | | | | | | _ | | |
| 24 – – | - | | | | | _ | | |
| 25 – – | _ | | | | | _ | | |
| 26- | | | | | | _ | | |
| 27- | | | | | | _ | | |
| 28- | _ | | | | | _ | | |
| 29- | | | | | | _ | | |
| 30- | - | | | | | _ | | |
| - 31- | - | | | | | _ | | |
| 32- | | | | | | _ | | |
| _ | | | | | | _ | | |
| 33- | 1 | | | I | :\PROJECT\\OD10160070\10000_LOGS\ | GINT\DRAW | INGS\SB-10.GDW | OAKBOREV (REV. 6/2008) |
| | AM | EC | Ged | matrix | Project No | . OD101 | 60070 | Page 2 of 2 |

| PROJ | | | | JBLIN B | OULEVARD a 94568 | | Log of B | ori | ing No. | SB-11 |
|--|------------|---|-------------------|--|---|---|-------------------------------|--|---|--|
| BORIN | | | | | h of car wash | | ELEVATION AND DAT | - | | urface |
| DRILL | ING C | ONT | RAC | TOR: Pen | eCore Drilling | | DATE STARTED: | 4111 1 | DATE FIN | |
| | | | | | - | | 9/27/10 TOTAL DEPTH (ft.): | | 9/27/10 MEASURI | NG POINT: |
| DRILL | ING M | ETH | OD: | Direct | push | | 18.0 | | Ground | |
| DRILL | ING E | QUIF | PMEN | IT: Geopr | obe 7822 DT | | DEPTH TO WATER (ft. |) | FIRST NA | COMPL. |
| SAMP | LING N | ИЕΤΙ | HOD: | Geoprob | e DT21 dual-tube sampling system [5' | x 1.25"] | LOGGED BY: G. Stemler | | | |
| HAMM | IER W | EIGH | HT: | NA | DROP: NA | | RESPONSIBLE PROF | ESSI | IONAL: | REG. NO. PG 8541 |
| DEPTH (feet) | Sample No. | Sample 17 | Blows/ 55 Foot | OVM READING (ppm) | DESCRIP* NAME (USCS): color, moist, % by cementation, react. w | wt., plast. den | sity, structure, | | R | EMARKS |
| | Sar | Sar | 음도 | RE. | Surface Elevati | on: Not su | rveyed | | <u>L</u> | |
| | | | | | ASPHALTIC CONCRETE: (6 inch | | | | | |
| 2- 3- 3- 4- 5- 6- 7- 8- 9- | | 0.6 0.6 1.1 0.3 0.9 0.6 0.2 LEAN CLAY (CL): dark grayish brown (2.5Y 4/2), moist, 90% 10% fine sand, medium plasticity, firm | | | | | | niRAE 2000 PID with 100 ppm e standard. Individual of the standard of the sta | | |
| 10 - 11- 12- 13- 14- 15- 15- | SB-11-12.8 | | | 0.9 1.8 1.3 0.6 1.4 0.4 | very dark grayish brown (2.5Y 3/2) SANDY LEAN CLAY (CL): light olidark yellowish brown (10YR 4/6), remedium sand, medium plasticity, sometium sand, wellow plasticity, sometimes, 10% fine sand, medium plasticity plasticity. | ve brown (2.5' noist, 65% find oft sh brown (10Y | es, 35% fine to | - - - - - | Depth to w prior to sar electronic v meter at 13 September 12.0 feet b | ater measured npling using an water level 855 on • 27, 2010: |
| | A 14 | EC | Gaa | matrix | | | Project No. O | D101 | | Page 1 of 2 |
| <u> </u> | AIM | LU | 960 | ıııatı ix | | | r roject No. Of | וטוע | 50070 | rage ruiz |

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

| | | | | _og o: _o:g ::o: | - (| |
|-----------------|--------------------------|-------------------|--|--|--------------|---|
| DEPTH (feet) | Sample No. Sample Blows/ | OVM READING (ppm) | DESCR NAME (USCS): color, moist, % cementation, react. | IPTION by wt., plast. density, structure, w/HCl, geo. inter. | | REMARKS |
| | | | LEAN CLAY (CL): cont'd | | _ | |
| 16- | | | dark grayish brown (2.5Y 4/2) | | _ | |
| - 17- | | | | | _ | |
| - | | | SANDY LEAN CLAY (CL) | | _ | |
| 18- | | | Bottom of boring at 18.0 feet | | Borehole | destroyed using |
| 19- | | | | | grout place | neat cement ced from total ground surface |
| _ | | | | | _ with a tre | mie pipe. |
| 20- | | | | | - - | |
| 21- | | | | | _ | |
| 22- | | | | | - - | |
| - | | | | | _ | |
| 23- | | | | | _ | |
| 24- | | | | | _ | |
| - 25- | | | | | _ | |
| _ | | | | | _ | |
| 26- | | | | | _ | |
| 27- | | | | | _ | |
| - | | | | | _ | |
| 28 – – | | | | | _ | |
| 29- | | | | | _ | |
| 30- | | | | | _ | |
| _ | | | | | _ | |
| 31 - | | | | | - - | |
| 32- | | | | | _ | |
| 33- | | | | | | |
| | | | | T | | OAKBOREV (REV. 6/2008) |
| | AMEC G | eomatrix | | Project No. OD1 | 0160070 | Page 2 of 2 |

| PKOJE(| | | | OBLIN B | OULEVARD a 94568 | | Log of Bo | oring N | lo. S | SB-12 |
|--------------|---------------|--------------|----------------|-------------------------|--|----------------|--------------------------|------------|---------|-----------------------------------|
| BORING | | | | | 30' S of SE corner of Bldg. B | | TON AND DATU | | | , |
| | | | | | | | rveyed; datum TARTED: | | | urtace SHED: |
| DRILLIN | IG C | ONTE | RAC | TOR: Pen | eCore Drilling | 9/28/10 |) | 9/28 | /10 | |
| DRILLIN | IG MI | ETHO | OD: | Direct | push | | DEPTH (ft.): | | | NG POINT: |
| | | | | | | 17.0 | | FIRS | | surface COMPL. |
| DRILLIN | IG E | QUIP | MEN | IT: Geopre | obe 7822 DT | | TO WATER (ft.) | NA | | NA |
| SAMPLI | ING N | /ETH | HOD: | Geoprob | e DT21 dual-tube sampling system [5' x 1.25"] | G. Ste | | | | |
| HAMME | R WI | FIGH | IT· | NA | DROP: NA | RESPO | NSIBLE PROFES | SSIONAL: | | REG. NO |
| I I/AIVIIVIL | | | | | | A. Patt | on | | | PG 8541 |
| Fæl | | Δ Δ | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. | density, struc | ture, | | RE | EMARKS |
| (feet) | Sample No. | Sample | Blows/ Foot | OV (ppr | cementation, react. w/HCl, geo. | inter. | | | | |
| | ιχ | Š | <u> </u> | <u>~</u> | | ot surveyed | | | | |
| | | | | | ASPHALTIC CONCRETE : (2 inches thick) | | | 1_1 | | |
| 4 | | | | | AGGREGATE BASE : (5 inches thick) | 00% finan 1 | 00/. fino | | auge | red to 5 feet |
| 1- | | | | | LEAN CLAY (CL): black (2.5Y 2.5/1), moist, sand, medium plasticity, firm | ษ∪% กกes, 1 | ∪% IIII E | bgs. | | |
| 7 | | | | | | | | | | |
| 2- | | | | | | | | | | |
| 7 | | | | | | | | _ | | iRAE 2000 PII |
| 3- | | | | | | | | | | vith 100 ppm standard. |
| + | | | | | | | | | Lyiciic | standard. |
| 4- | | | | | | | | <u> - </u> | | |
| - | | | | | LEAN CLAY (CL): olive brown (2.5Y 4/3), m fine sand, medium plasticity, firm | oist, 85% fine | es, 15% | - | | |
| 5- | | \mathbf{H} | | | ilile salid, medidiri piasticity, ililii | | | - | | |
| _ | | | | 0 | | | | - | | |
| 6- | | | | 0 | | | | | | |
| | | | | | | | | | | |
| 7- | | | | 0 | | | | | | |
| ′ 7 | | | | 0 | | | | | | |
| _ 7 | | | | | | | | | | |
| 8- | | | | 0 | | | | | | |
| 7 | | | | 0 | | | | | | |
| 9- | | | | | | | | | | |
| - | | | | 0 | | | | - | | |
| 10- | | \mathbb{H} | | | | | | | | |
| 4 | | | | 0 | | | | _ | | |
| 11- | | | | 0 | | | | - | | . divination of |
| | SB-12-12.0 | | | 0 | | | | | | idwater sample ected through & |
| 12- | 3B-12 | | | , | | | | feet o | f 1-ind | ch OD Sch. 40 |
| ١- ا | (y) | | | 0 | SANDY LEAN CLAY (CL): olive brown (2.5\ fines, 45\% fine sand, medium plasticity, firm | 7 4/3), moist, | 55% | | | n (0.010-inch laced in |
| 12 | | | | Ĭ | inico, 40% inic sand, medium plasticity, iiiii | | | boreh | ole fr | om 12 to 17 |
| 13- | | | | 0 | | | | | | orive casing om bottom of |
| 7 | | | | 0 | LEAN CLAY (CL) | | | boring | to 12 | 2 feet bgs to irface seal. |
| 14- | | \forall | | | black (2.5Y 2.5/1) | | | maint | aiii Sl | inace seal. |
| + | | X | | | | | | | | |
| 15 | | / V | | | | | | | | DAKBOREV (REV. 6/2008 |
| | | | | | | | | | | , |

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

| | SAN | | | <u>0</u> | | | _ | |
|-----------------|---------------|--------|----------------|-------------------------|--|----------|--------------|-------------------------------|
| DEPTH (feet) | Sample No. | Sample | Blows/ Foot | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | | R | EMARKS |
| | | | | 0 | SANDY LEAN CLAY (CL): cont'd | | | |
| 16 | | | | 0 | brown (10YR 4/3) | | | |
| 16- | | | | 0 | | | | |
| 17- | | | | v | | | | |
| - | | | | | Bottom of boring at 17.0 feet | _ | Type I-II ne | estroyed using eat cement |
| 18- | | | | | | _ | grout place | ed from total ound surface |
| _ | | | | | | - | with a trem | ie pipe. |
| 19- | | | | | | - | | |
| - | | | | | | - | | |
| 20- | 1 | | | | | - | | |
| - | 1 | | | | | - | | |
| 21- | | | | | | | | |
| 22- | | | | | | | | |
| | | | | | | _ | | |
| 23- | | | | | | _ | | |
| _ | _ | | | | | _ | | |
| 24- | _ | | | | | _ | | |
| _ | | | | | | - | | |
| 25- | | | | | | - | | |
| 26- | | | | | | | | |
| 20- | | | | | | | | |
| 27- | | | | | | _ | | |
| | | | | | | _ | | |
| 28- | - | | | | | - | | |
| _ | - | | | | | - | | |
| 29- | - | | | | | - | | |
| _ | 1 | | | | | - | | |
| 30- | 1 | | | | | - | | |
| 31- | | | | | | | | |
| JI- - | | | | | | | | |
| 32- | | | | | | _ | | |
| _ | | | | | | - | | |
| 33- | | | | | | | | DAKBOREV (REV. 6/2008) |
| | ٨м | E۲ | Ger | matrix | Project No | OD101 | | Page 2 of 2 |
| | AM | | Jec | יווומנו וג | Frojectivo | ا ۱۱ ا ص | 100010 | 1 ago 2 01 2 |



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.

AMEC Geomatrix, Inc.



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:

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:

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



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

AkenofSal

Approved for release Afsmeh Salimpour Project Manager £ 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 Analyte | Client Sample ID | Result / Qualifier | Reporting Limit | Units | Method |
|---|--------------------------------------|--------------------|--------------------|-------|-----------------|
| 720-30799-1 Gasoline Range Orga | SB-01-13.8 anics (GRO)-C5-C12 | 13000 J E | 180 | ug/Kg | 8260B/CA_LUFTMS |
| 720-30799-3 Gasoline Range Orga | SB-02-11.5 anics (GRO)-C5-C12 | 1400 | 180 | ug/Kg | 8260B/CA_LUFTMS |
| 720-30799-5 Gasoline Range Orga | SB-02 anics (GRO)-C5‡C12 | 63 | 50 | ug/L | 8260B/CA_LUFTMS |
| 720-30799-8 Dissolved Diesel Range Organi | SB-11 cs [C10-C28] | x2452 JB | 52 | ug/L | 8015B |
| 720-30799-12 Dissolved Diesel Range Organi | SB-04 cs [C10-C28] | V < 52 JB | 52 | ug/L | 8015B |
| 720-30799-14 Silica Gel Cleanup Diesel Range Organi | SB-04-3.0 cs [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.

TestAmerica San Francisco

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TestAmerica San Francisco

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METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

| Method | Analyst | Analyst ID |
|--|-----------------------|------------|
| SW846 8260B/CA_LUFTMS SW846 8260B/CA_LUFTMS | Chen, Amy Le, Lien | AC 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 |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-01-13.8

Client Matrix:

Method:

Dilution:

Preparation:

Lab Sample ID: 720-30799-1 Solid

Date Sampled: 09/27/2010 0850 Date Received: 09/27/2010 1920

RL

3.6

180

3.6

3.6

3.6

7.2

8260B/CA_LUFTMS 8260B / CA LUFT MS

5035 1.0

8260B/CA_LUFTMS Analysis Batch: 720-78924

Prep Batch: 720-79064

Instrument ID: HP12 Lab File ID:

Qualifier

Е

09291009.D

Date Analyzed: 09/29/2010 1201

09/29/2010 0700 Date Prepared:

Initial Weight/Volume: 6.916 g

Final Weight/Volume: 10 mL

Analyte DryWt Corrected: N Result (ug/Kg) Benzene 13000 5 Gasoline Range Organics (GRO)-C5-C12

Ethylbenzene ND ND

MTBE Toluene ND Xylenes, Total ND

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

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-02-11.5

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

Solid

720-30799-3

Date Sampled: 09/27/2010 1000 Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS 5035

Analysis Batch: 720-78924

Prep Batch: 720-79064

Instrument ID: Lab File ID:

HP12 09291012.D Initial Weight/Volume: 6.902 g

09/29/2010 1351 Date Analyzed: 09/29/2010 0700 Date Prepared:

1.0

Final Weight/Volume: 10 mL

DryWt Corrected: N Analyte Result (ug/Kg) Qualifier 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 |

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-02

Client Matrix:

Method:

Dilution:

Preparation:

Lab Sample ID:

Water

720-30799-5

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

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS 5030B

1.0

Date Analyzed: Date Prepared:

09/30/2010 0038 09/30/2010 0038 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 |
| | | | |

Analysis Batch: 720-79007

| 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: Client Matrix:

Method:

Dilution:

Preparation:

720-30799-6 Water

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

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA LUFTMS Analysis Batch: 720-79007 5030B 1.0

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

Date Analyzed: 09/30/2010 0108

Date Prepared: 09/30/2010 0108 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 0.50 1.0 Toluene ND Xylenes, Total ND Gasoline Range Organics (GRO)-C5-C12 ND

| 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

09/29/2010 1301

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

09291011.D

HP12

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Preparation: Dilution: 1.0

Date Analyzed:

Analysis Batch: 720-78924

Prep Batch: 720-79064

Instrument ID: Lab File ID:

Initial Weight/Volume: 6.329 g Final Weight/Volume: 10 mL

Date Prepared: 09/29/2010 0700

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|---------------------|--------------------|----------------|-----------|-----|
| Benzene | | ND | | 4.0 |
| Gasoline Range Orga | nics (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 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID:

Water

Client Matrix:

720-30799-12

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

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS 5030B Preparation: Dilution:

1.0 Date Analyzed: 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

Date Prepared: 09/30/2010 0137

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 |

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID: 720-30799-13

Client Matrix: Water

Method:

Dilution:

Analyte

Benzene

Surrogate

Ethylbenzene

Methyl tert-butyl ether

4-Bromofluorobenzene

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

Preparation:

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

1.0

50

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS Analysis Batch: 720-79007

Instrument ID: HP12 Lab File ID: 09291039.D

5030B 1.0 Date Analyzed: 09/30/2010 0306

Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

Date Prepared: 09/30/2010 0306

Result (ug/L) Qualifier RL 0.50 ND 0.50 ND 0.50 ND 0.50

Toluene Xylenes, Total ND Gasoline Range Organics (GRO)-C5-C12

ND %Rec Qualifier Acceptance Limits 97 94 67 - 130

67 - 130 70 - 130 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

720-30799-14

Solid

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

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS

5035 1.0

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

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

Date Analyzed: 09/29/2010 1751 Date Prepared: 09/29/2010 0700

Final Weight/Volume: 10 mL

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|-------------------|---|----------------|-----------|-----|
| Benzene | *************************************** | ND | | 3.3 |
| Gasoline Range Or | ganics (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 |

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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

| 8270C SIM Semivolatile Organic Compounds (GC/MS SIM) | | | | | | |
|--|---|--|---|------------------|--|--|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3550B 1.0 09/30/2010 1226 09/29/2010 1138 | Analysis Batch: 720-79035 Prep Batch: 720-78948 | Instrument ID: Lab File ID: Initial Weight/∖ Final Weight/∨ Injection Volun | olume: 1 mL | | |
| Analyte | DryWt Correcte | ed: 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]anthrace | ene | ND | | 5.0 | | |
| Chrysene | | ND | | 5.0 | | |
| Benzo[a]pyrene | | ND | | 5.0 | | |
| Benzo[b]fluoranth | nene | ND | | 5.0 | | |
| Benzo[k]fluoranth | | ND | | 5.0 | | |
| Benzo[g,h,i]peryk | ene | ND | | 5.0 | | |
| Indeno[1,2,3-cd]p | yrene | ND | | 5.0 | | |
| Fluoranthene | | ND | | 5.0 | | |
| Pyrene | | ND | | 5.0 | | |
| Dibenz(a,h)anthra | acene | ND | | 5.0 | | |
| Surrogate | | %Rec | Qualifier A | cceptance Limits | | |
| 2-Fluorobiphenyl | | 77 | 3 | 3 - 120 | | |
| Terphenyl-d14 | | 98 | 3 | 5 - 146 | | |
| | | | | | | |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-11

Lab Sample ID: Client Matrix:

720-30799-8 Water

Date Sampled: 09/27/2010 1400

Date Received: 09/27/2010 1920

| Method: | 8270C SIM | Analysis Batch: 720-79122 | | nstrument ID: | SVOA HP 4 |
|-------------------|---------------|---------------------------|-----------|-----------------------|------------|
| Preparation: | 3510C | Prep Batch: 720-79056 | | ab File ID: | 10011023.D |
| Dilution: | 1.0 | | | nitial Weight/Volume: | 970 mL |
| Date Analyzed: | 10/01/2010 19 | | | inal Weight/Volume: | 1 mL |
| Date Prepared: | 09/30/2010 14 | 03 | li | njection 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]anthrace | ene | ND | | | 0.10 |
| Chrysene | | ND | | | 0.10 |
| Benzo[a]pyrene | | ND | | | 0.10 |
| Benzo[b]fluoranth | nene | ND | | | 0.10 |
| Benzo[k]fluoranth | | ND | | | 0.10 |
| Benzo(g,h,i)peryl | | ND | | | 0.10 |
| Indeno[1,2,3-cd]p | yrene | ND | | | 0.10 |
| Fluoranthene | | ND | | | 0.10 |
| Pyrene | | ND | | | 0.10 |
| Dibenz(a,h)anthr | acene | ND | | | 0.10 |
| Surrogate | | %Rec | Qualifier | Acceptar | ice Limits |
| 2-Fluorobiphenyl | | 67 | | 29 - 120 | |
| Terphenyl-d14 | | 89 | | 45 - 120 | |

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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 S | SIM Semivolatile Organic Comp | ounds (GC/MS SIM) | |
|--|---|--|---|--|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3550B 1.0 09/30/2010 1250 09/29/2010 1138 | Analysis Batch: 720-79035 Prep Batch: 720-78948 | Instrument II Lab File tD: Initial Weigh Final Weight Injection Vol | 09301006.D t/Volume: 30.20 g /Volume: 1 mL |
| Analyte | DryWt Correct | ed: 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]anthracea | ne | ND | | 5.0 |
| Chrysene | | ND | | 5.0 |
| Benzo[a]pyrene | | ND | | 5.0 |
| Benzo[b]fluoranthe | | ND | <i>t</i> | 5.0 |
| Benzo[k]fluoranthe | | ND | | 5.0 |
| Benzo(g,h,i)peryle | | ND | | 5.0 |
| Indeno[1,2,3-cd]py | rene | ND | | 5.0 |
| Fluoranthene | | ND | | 5.0 |
| Pyrene | | ND | | 5.0 |
| Dibenz(a,h)anthra | cene | ND | | 5.0 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 2-Fluorobiphenyl | | 84 | | 33 - 120 |
| Terphenyl-d14 | | 97 | | 35 - 146 |

Analytical Data

Job Number: 720-30799-1

Client Sample ID: SB-04

Lab Sample ID:

TestAmerica San Francisco

Client: AMEC Geomatrix Inc.

Client Matrix:

720-30799-12

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

| | | | , | ate (10001100), 05/21/2010 15 |
|--|---|--------------------------------------|--|-------------------------------|
| | | 8270C SIM Semivolatile Organic Compo | ounds (GC/MS SIM) | |
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3510C 1.0 10/06/2010 09/30/2010 | | Instrument ID: Lab File ID: Initial Weight/V Final Weight/Vo Injection Volum | olume: 1 mL |
| Analyte | | Result (ug/L) | Qualifier | RL |
| Naphthalene | | ND | | 1.0 |
| Acenaphthene | | ND | | 0.10 |
| Acenaphthylene | | ND | | 0.10 |
| luorene | | ND | | 0.10 |
| Phenanthrene | | ND | | 0.10 |
| Anthracene | | ND | | 0.10 |
| Benzo[a]anthrace | ene | ND | | 0.10 |
| Chrysene | | ND | | 0.10 |
| Benzo[a]pyrene | | ND | | 0.10 |
| Benzo[b]fluoranth | | ND | | 0.10 |
| Benzo[k]fluoranth | | ND | | 0.10 |
| Benzo[g,h,i]peryle | | ND | | 0.10 |
| ndeno[1,2,3-cd]p | yrene | ND | | 0.10 |
| luoranthene | | ND ND | | 0.10 |
| Pyrene | | ND | | 0.10 |
| Dibenz(a,h)anthra | сепе | ND | | 0.10 |
| Surrogate | | %Rec | Qualifier A | cceptance Limits |
| 2-Fluorobiphenyl | | 63 | 29 | 9 - 120 |
| Terphenyl-d14 | | 90 | 45 | 5 - 120 |

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-40

Client Matrix:

Lab Sample ID:

720-30799-13

Water

Date Sampled: 09/27/2010 1755

Date Received: 09/27/2010 1920

| | 8270C | SIM Semivolatile Organic Comp | ounds (GC/MS S | SIM) |
|--|---|--|---|-------------------|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared; | 8270C SIM 3510C 1.0 10/05/2010 1621 09/30/2010 1403 | Analysis Batch: 720-79373 Prep Batch: 720-79056 | Final We | |
| Analyte | | Result (ug/L) | Qualifier | ŘL |
| 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]anthrace | ene | ND | | 0.10 |
| Chrysene | | ND | | 0.10 |
| Benzo[a]pyrene | | ND | | 0.10 |
| Benzo[b]fluoranth | | ND | | 0.10 |
| Benzo[k]fluoranth | | ND | | 0.10 |
| Benzo[g,h,i]peryle | | ND | | 0.10 |
| Indeno[1,2,3-cd]p | yrene | ND | | 0.10 |
| Fluoranthene | | ND | | 0.10 |
| Pyrene | | ND | | 0.10 |
| Dibenz(a,h)anthra | acene | ND | | 0.10 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 2-Fluorobiphenyl | | 61 | | 29 - 120 |
| Terphenyi-d14 | | 88 | | 45 - 120 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID: Client Matrix:

Solid

720-30799-14

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

| | 8270C S | IM Semivolatite Organic Com | pounds (GC/M | S SIM) | |
|--|---|--|--------------------------|---|--|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3550B 1.0 09/30/2010 1314 09/29/2010 1138 | Analysis Batch: 720-79035 Prep Batch: 720-78948 | Lab I Initia Final | ument ID: File ID: I Weight/Volume: I Weight/Volume: tion Volume: | SVOA HP 4 09301007.D 30.13 g 1 mL 1 uL |
| Analyte | DryWt Correcte | d: 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]anthrace | ene | ND | | | 5.0 |
| Chrysene | | ND | | | 5.0 |
| Benzo[a]pyrene | | ND | | | 5.0 |
| Benzo[b]fluoranth | ene | ND | | | 5.0 |
| Benzo[k]fluoranth | | ND | | | 5.0 |
| Benzo[g,h,i]peryle | ene | ND | | | 5.0 |
| Indeno[1,2,3-cd]p | yrene | ND | | | 5.0 |
| Fluoranthene | | ND | | | 5.0 |
| Pyrene | | ND | | | 5.0 |
| Dibenz(a,h)anthra | acene | ND | | | 5.0 |
| Surrogate | | %Rec | Qualifier | Acceptar | nce Limits |
| 2-Fluorobiphenyl | | 70 | | 33 - 120 | |
| Terphenyl-d14 | | 93 | | 35 - 146 | |

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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

RL

50

0.99

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

Method: 8015B Preparation: 3550B Dilution: 1.0

Date Analyzed;

Surrogate

p-Terphenyl

Capric Acid (Surr)

Analysis Batch: 720-79101

Prep Batch: 720-79041

Instrument ID: CHDRO6 Initial Weight/Volume: 30.19 g Final Weight/Volume: 2 mL Injection Volume: 1 uL Result Type: PRIMARY

Date Prepared: 09/30/2010 1126

Motor Oil Range Organics [C24-C36]

Analyte DryWt Corrected: N Diesel Range Organics [C10-C28]

10/01/2010 1546

Result (mg/Kg) ND ND

Qualifier

%Rec Qualifier 0.2 85

Acceptance Limits 0 - 5 46 - 115

Client: AMEC Geomatrix Inc.

Analytical Data

Job Number: 720-30799-1

Client Sample ID: SB-11

Lab Sample ID: Client Matrix:

Method:

Dilution:

Surrogate

p-Terphenyl

Capric Acid (Surr)

Date Prepared:

Water

1.0

Date Analyzed: 10/05/2010 2351

720-30799-8

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

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

Preparation:

8015B 3510C SGC

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

Instrument ID: CHDRO5 Initial Weight/Volume: 980 mL Final Weight/Volume: 2 mL

Injection Volume: Result Type:

Qualifier

Qualifier

1 uL PRIMARY

Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

10/05/2010 0934

Result (ug/L) ND ND

%Rec

0.2

91

MDL 10 130

RL 300

Acceptance Limits

0-5 31 - 150

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-11

Method:

Dilution:

Preparation:

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

Date Sampled: 09/27/2010 1400

Date Received: 09/27/2010 1920

CHDRO5

RL

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

8015B 3510C SGC

1.0

09/29/2010 1948 Date Analyzed: 09/28/2010 1829 Date Prepared:

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

Instrument ID: Initial Weight/Volume: 960 mL Final Weight/Volume: 2 mL

Injection Volume: 1 uL Result Type: PRIMARY

Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

Result (ug/L) Qualifier 24<52 ND JΒ

MDL 11 130

52 310

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

Analytical Data

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 Prepared: 09/30/2010 1126

8015B

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

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

Method: Preparation: Dilution: Date Analyzed:

3550B 1.0 10/01/2010 1608 Analysis Batch: 720-79101 Prep Batch: 720-79041

Instrument ID: Initial Weight/Volume: 30.15 g

CHDRO6

Final Weight/Volume: 2 mL Injection Valume: 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) | 0.3 | | 0 - 5 |
| p-Terphenyl | 88 | | 46 - 115 |

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID:

720-30799-12

Client Matrix: Water

Lab Sample ID:

Method:

Dilution:

Analyte

Surrogate

p-Terphenyl

Capric Acid (Surr)

Preparation:

Date Analyzed:

Date Prepared:

Date Sampled: 09/27/2010 1700

Date Received: 09/27/2010 1920

RL

51

300

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

8015B

3510C SGC

1.0

10/06/2010 0014 10/05/2010 0934

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

CHDRO5 Initial Weight/Volume: 980 mL Final Weight/Volume: 2 mL 1 uL PRIMARY

Result Type:

Qualifier

Injection Volume:

Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36] Result (ug/L) ND ND

%Rec

0.3

93

MDL

Instrument ID:

10 130

Qualifier

Acceptance Limits 0 - 5 31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID:

SB-04

Lab Sample ID: Client Matrix:

Method:

Dilution:

Analyte

Surrogate

p-Terphenyl

Date Prepared:

720-30799-12 Water

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

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

8015B Date Analyzed: 09/29/2010 2011

Preparation: 3510C SGC 1.0

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:

Qualifier

PRIMARY

Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

09/28/2010 1829

Result (ug/L) JY 452 MDL 11 130

RL 310

Acceptance Limits

%Rec Qualifier Capric Acid (Surr) 0.6 89

0-5 31 - 150

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-40

Lab Sample ID:

Client Matrix:

Method:

Dilution:

Analyte

Surrogate

p-Terphenyl

Capric Acid (Surr)

Preparation:

Date Analyzed:

Date Prepared:

720-30799-13

Water

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

CHDRO5

PRIMARY

RL

52

310

1 uL

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

Analysis Batch: 720-79290

Prep Batch: 720-79293

8015B 3510C SGC

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C24-C36]

1.0

10/06/2010 0037

10/05/2010 0934

Result (ug/L) ND

ND

0.2

90

%Rec

Qualifier

11 130 Acceptance Limits

Result Type:

Instrument ID:

Injection Volume:

MDL

Initial Weight/Volume: 960 mL

Final Weight/Volume: 2 mL

Qualifier

0 - 5 31 - 150 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID:

SB-40

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

Date Analyzed:

Date Prepared:

720-30799-13 Water

09/29/2010 2035

09/28/2010 1829

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

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

8015B 3510C SGC 1.0

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

Instrument ID: CHDRO5 Initial Weight/Volume: 940 mL Final Weight/Volume: 2 mL Injection Volume:

Result Type: PRIMARY

Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

Result (ug/L) ND ND

MDL RL 11 53

130 320 Qualifier Acceptance Limits

Qualifier

Surrogate %Rec Capric Acid (Surr) 0.2 p-Terphenyl 92

0-5 31 - 150

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Client Sample ID: SB-04-3.0

Lab Sample ID:

Client Matrix:

OD-04-0.0

720-30799-14

720-30799-14 Solid Date Sampled: 09/27/2010 1515 Date Received: 09/27/2010 1920

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

| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8015B 3550B 1.0 10/01/2010 1631 09/30/2010 1126 | Analysis Batch: 720-79101 Prep Batch: 720-79041 | Instrument ID: Initial Weight/\ Final Weight/\ Injection Volur Result Type: | /olume: 30.12 g folume: 2 mL |
|--|---|--|---|---------------------------------|
| Analyte | DryWt Corrected | i: N Result (mg/Kg) | Qualifier | RL |
| Diesel Range Org | | 2.6 | | 1.0 |
| Motor Oil Range | Organics [C24-C36] | ND | | 50 |
| Surrogate | | %Rec | Qualifier A | Acceptance Limits |
| Capric Acid (Surr |) | 0.2 | | 1-5 |
| p-Terphenyl | | 95 | 4 | 6 - 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 | • | |
| | В | 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:720-78 | 924 | | | | |
| LCS 720-79064/2-A | Lab Control Sample | Т | Solid | 8260B/CA_LUFT | 720-79064 |
| LCS 720-79064/4-A | Lab Control Sample | Т | Solid | 8260B/CA LUFT | 720-79064 |
| LCSD 720-79064/3-A | Lab Control Sample Duplicate | Т | Solid | 8260B/CA LUFT | 720-79064 |
| LCSD 720-79064/5-A | Lab Control Sample Duplicate | Т | Solid | 8260B/CA LUFT | 720-79064 |
| MB 720-79064/1-A | Method Blank | Т | Solid | 8260B/CA LUFT | 720-79064 |
| 720-30799-1 | SB-01-13.8 | Т | Solid | 8260B/CA LUFT | 720-79064 |
| 720-30799-3 | SB-02-11.5 | Т | Solid | 8260B/CA LUFT | 720-79064 |
| 720-30799-9 | SB-04-12.0 | Т | Solid | 8260B/CA LUFT | 720-79064 |
| 720-30799-14 | SB-04-3.0 | Т | Solid | 8260B/CA_LUFT | 720-79064 |
| Analysis Batch:720-79 | 007 | | | | |
| LCS 720-79007/5 | Lab Control Sample | T | Water | 8260B/CA_LUFT | |
| _CS 720-79007/7 | Lab Control Sample | Т | Water | 8260B/CA_LUFT | |
| _CSD 720-79007/6 | Lab Control Sample Duplicate | Т | Water | 8260B/CA_LUFT | |
| _CSD 720-79007/8 | Lab Control Sample Duplicate | T | Water | 8260B/CA LUFT | |
| MB 720-79007/4 | Method Blank | Ŧ | Water | 8260B/CA LUFT | |
| 720-30799-5 | SB-02 | Ŧ | Water | 8260B/CA LUFT | |
| 720-30799-6 | SB-01 | Т | Water | 8260B/CA LUFT | |
| 720-30799-12 | SB-04 | Т | Water | 8260B/CA LUFT | |
| 720-30799-12MS | Matrix Spike | Т | Water | 8260B/CA LUFT | |
| 720-30799-12MSD | Matrix Spike Duplicate | Т | Water | 8260B/CA LUFT | |
| 720-30799-13 | SB-40 | Т | Water | 8260B/CA_LUFT | |
| Prep Batch: 720-79064 | L Comment | | | | |
| _CS 720-79064/2-A | Lab Control Sample | Т | Solid | 5035 | |
| _CS 720-79064/4-A | Lab Control Sample | Т | Solid | 5035 | |
| _CSD 720-79064/3-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| _CSD 720-79064/5-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| MB 720-79064/1-A | Method Blank | T | Solid | 5035 | |
| 720-30799-1 | SB-01-13.8 | Т | Solid | 5035 | |
| 720-30799-3 | SB-02-11.5 | Т | Solid | 5035 | |
| 720-30799-9 | SB-04-12.0 | T | Solid | 5035 | |
| 720-30799-14 | SB-04-3.0 | т | Solid | 5035 | |

Report Basis T = Total

TestAmerica San Francisco

Quality Control Results

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 | Т | Solid | 3550B | |
| MB 720-78948/1-A | Method Blank | Ŧ | Solid | 3550B | |
| 720-30799-7 | SB-11-12.8 | T | Solid | 3550B | |
| 720-30799-9 | SB-04-12.0 | Т | Solid | 3550B | |
| 720-30799-14 | SB-04-3.0 | Т | Solid | 3550B | |
| 720-30799-14MS | Matrix Spike | Т | Solid | 3550B | |
| 720-30799-14MSD | Matrix Spike Duplicate | Ť | Solid | 3550B | |
| Analysis Batch:720-79 | 035 | | | | |
| LCS 720-78948/2-A | Lab Control Sample | Т | Solid | 8270C SIM | 720-78948 |
| CSD 720-78948/3-A | Lab Control Sample Duplicate | Т | Solid | 8270C SIM | 720-78948 |
| MB 720-78948/1-A | Method Blank | Т | Solid | 8270C SIM | 720-78948 |
| 720-30799-7 | SB-11-12.8 | Т | Solid | 8270C SIM | 720-78948 |
| 720-30799-9 | SB-04-12.0 | Т | Solid | 8270C SIM | 720-78948 |
| 720-30799-14 | SB-04-3.0 | Ť | Solid | 8270C SIM | 720-78948 |
| 720-30799-14MS | Matrix Spike | Т | Solid | 8270C SIM | 720-78948 |
| 720-30799-14MSD | Matrix Spike Duplicate | Ť | Solid | 8270C SIM | 720-78948 |
| Prep Batch: 720-79056 | 3 | | | | |
| LCS 720-79056/2-A | Lab Control Sample | т | Water | 3510C | |
| _CSD 720-79056/3-A | Lab Control Sample Duplicate | Т | Water | 3510C | |
| MB 720-79056/1-A | Method Blank | T | Water | 3510C | |
| 720-30799-8 | SB-11 | т | Water | 3510C | |
| 720-30799-12 | SB-04 | Т | Water | 3510C | |
| 720-30799-13 | SB-40 | Т | Water | 3510C | |
| Analysis Batch:720-79 | 122 | | | | |
| CS 720-79056/2-A | Lab Control Sample | Т | Water | 8270C SIM | 720-79056 |
| CSD 720-79056/3-A | Lab Control Sample Duplicate | Т | Water | 8270C SIM | 720-79056 |
| MB 720-79056/1-A | Method Blank | T | Water | 8270C SIM | 720-79056 |
| 720-30799-8 | SB-11 | Т | Water | 8270C SIM | 720-79056 |
| Analysis Batch:720-79 | 373 | | | | • |
| 720-30799-12 | SB-04 | Т | 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

| | | Report | | | |
|--------------------------|------------------------------|--------|---------------|-----------|------------|
| Lab Sample ID | Client Sample ID | 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 | Ď | Water | 3510C SGC | |
| 720-30799-8 | SB-11 | D | Water | 3510C SGC | |
| 720-30799-12 | SB-04 | Ď | 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 | Α | Solid | 3550B | |
| LCSD 720-79041/3-A | Lab Control Sample Duplicate | Ä | Solid | 3550B | |
| MB 720-79041/1-A | Method Blank | Ä | Solid | 3550B | |
| 720-30799-7 | SB-11-12.8 | Ä | Solid | 3550B | |
| 720-30799-9 | SB-04-12.0 | Ä | Solid | 3550B | |
| 720-30799-14 | SB-04-3.0 | Â | Solid | 3550B | |
| 720-30837-A-6-B MS | Matrix Spike | Â | 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 | Α | Solid | 8015B | 720-79041 |
| LCSD 720-79041/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79041 |
| MB 720-79041/1-A | Method Blank | Α | Solid | 8015B | 720-79041 |
| 720-30799-7 | SB-11-12.8 | Α | Solid | 8015B | 720-79041 |
| 720-30799-9 | SB-04-12.0 | Α | Solid | 8015B | 720-79041 |
| 720-30799-14 | SB-04-3.0 | Α | Solid | 8015B | 720-79041 |
| Analysis Batch:720-79102 | • | | | | |
| 720-30837-A-6-B MS | Matrix Spike | Α | Solid | 8015B | 720-79041 |
| 720-30837-A-6-C MSD | Matrix Spike Duplicate | A | Solid | 8015B | 720-79041 |
| 720-30037-A-0-C NIGD | Matrix Spike Duplicate | ^ | Soliu | 00136 | 720-79041 |
| Analysis Batch:720-79290 | | | | | |
| LCS 720-79293/2-A | Lab Control Sample | Α | Water | 8015B | 720-79293 |
| LCSD 720-79293/3-A | Lab Control Sample Duplicate | Α | Water | 8015B | 720-79293 |
| 720-30799-8 | SB-11 | Α | Water | 8015B | 720-79293 |
| 720-30799-12 | SB-04 | Α | Water | 8015B | 720-79293 |
| 720-30799-13 | SB-40 | Α | Water | 8015B | 720-79293 |
| | | | | | |

TestAmerica San Francisco

Quality Control Results

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 | Α | Water | 3510C SGC | |
| LCSD 720-79293/3-A | Lab Control Sample Duplicate | Α | Water | 3510C SGC | |
| MB 720-79293/1-A | Method Blank | Α | Water | 3510C SGC | |
| 720-30799-8 | SB-11 | Α | Water | 3510C SGC | |
| 720-30799-12 | SB-04 | Α | Water | 3510C SGC | |
| 720-30799-13 | SB-40 | Α | Water | 3510C SGC | |
| Analysis Batch:720-793 | 53 | | | | |
| MB 720-79293/1-A | Method Blank | Α | 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

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

Date Analyzed: 09/30/2010 0008

Date Prepared: 09/30/2010 0008

| Analyte | Result | Qual | RL |
|--------------------------------------|--------|--|------|
| Benzene | ND | The state of the s | 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 Lim | its |
| 4-Bromofluorobenzene | 97 | 67 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 95 | 67 - 130 | |
| Toluene-d8 (Surr) | 96 | 70 - 130 | |

Quality Control Results

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: Dilution:

Water

1.0

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

Date Analyzed: 09/29/2010 2209 Date Prepared: 09/29/2010 2209

LCSD Lab Sample ID: LCSD 720-79007/6 Client Matrix: Water

Dilution: 1.0

TestAmerica San Francisco

Date Analyzed: 09/29/2010 2239 Date Prepared: 09/29/2010 2239 Analysis Batch: 720-79007

Prep Batch: N/A Units: ug/L

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

Instrument ID: HP12

| | 9 | 6 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 | L | CS % Rec | LCSD % | Rec | | otance Limits | i |
| 4-Bromofluorobenzene | | 00 | 97 | | | 7 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 8 | 7 | 85 | | e | 7 - 130 | |
| Toluene-d8 (Surr) | 9 | 8 | 98 | | 7 | 0 - 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

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

Date Prepared: 09/29/2010 2308

LCSD Lab Sample ID: LCSD 720-79007/8 Client Matrix: Water Dilution:

1.0

09/29/2010 2338 Date Analyzed: Date Prepared: 09/29/2010 2338

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

Lab File ID: 09291032.D Units: ug/L

Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

Instrument ID: HP12

| | 9 | 6 Rec. | | | | | |
|--------------------------------------|--------------|----------|----------|-----|-----------|---------------|-----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Gasoline Range Organics (GRO)-C5-C12 | 80 | 81 | 62 - 117 | 1 | 20 | | |
| 0 | | | | _ | | | |
| Surrogate | L | CS % Rec | LCSD % | | | otance Limits | |
| 4-Bromofluorobenzene | 9 | | 101 | | | | |
| | - | 9 | | | 6 | | |

Quality Control Results

Job Number: 720-30799-1

Client: AMEC Geomatrix Inc.

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-79007

Method: 8260B/CA_LUFTMS Preparation: 5030B

MS Lab Sample ID: 720-30799-12 Analysis Batch: 720-79007

Client Matrix: Water Prep Batch: N/A Dilution:

Date Analyzed: 09/30/2010 0207 Date Prepared: 09/30/2010 0207

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: Date Analyzed:

Date Prepared:

09/30/2010 0237 09/30/2010 0237

Analysis Batch: 720-79007 Instrument ID: HP12 Prep Batch: N/A

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

| | % | Rec. | | | | | |
|------------------------------|-----|----------|------------------|-----|-----------|-------------|---------|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qua |
| 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 ^o | | | eptance Lim | |
| 4-Bromofluorobenzene | , | 99 | 98 | | | 37 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | | 97 | 94 | | € | 67 - 130 | |
| Toluene-d8 (Surr) | | 99 | 99 | | . 7 | 0 - 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

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

Instrument ID: HP12 Lab File ID: 09291004.D

Dilution: 1.0 Date Analyzed: 09/29/2010 0921 Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

Date Prepared: 09/29/2010 0700

| 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 | |

Quality Control Results

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: Dilution:

Solid 1.0

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

Date Analyzed: 09/29/2010 0951 Date Prepared: 09/29/2010 0700

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

Analysis Batch: 720-78924

Units: ug/Kg

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

Final Weight/Volume: 10 mL

| | 9 | 6 Rec. | | | | | |
|------------------------------|-----|----------|----------|-----|-----------|---------------|-----------|
| Analyte | 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 | | CS % Rec | LCSD % | | | otance Limits | |
| 4-Bromofluorobenzene | | 01 | 102 | | 6 | 5 - 117 | |
| 1,2-Dichloroethane-d4 (Surr) | 1 | 00 | 97 | | 7 | 3 - 140 | |
| Toluene-d8 (Surr) | 1 | 00 | 100 | | 7 | 2 - 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

Instrument ID: HP12

LCS Lab Sample ID: LCS 720-79064/4-A

Solid

Client Matrix: Dilution: Date Analyzed:

1.0 09/29/2010 1051 09/29/2010 0700

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

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: Dilution:

Date Prepared:

Date Prepared:

Solid

Date Analyzed:

09/29/2010 1121 09/29/2010 0700

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

Units: ug/Kg

Lab File ID: 09291008.D Initial Weight/Volume: 5 g

Instrument ID: HP12

Final Weight/Volume: 10 mL

| Analyte | LCS | <u>6 Rec.</u> LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---|-----|-----------------------|------------------|-----|----------------------------------|--------------|-----------|
| Gasoline Range Organics (GRO)-C5-C12 | 89 | 86 | 68 - 115 | 3 | 20 | | |
| Surrogate | | CS % Rec | LCSD % | | | tance Limits | |
| 4-Bromofluorobenzene 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) | 1 | 02 03 | 102 102 96 | | 65 - 117 73 - 140 72 - 113 | | |

Quality Control Results

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 Limi | ts |
| 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

Instrument ID: SVOA HP 4

Lab File ID: 09301002.D

LCS Lab Sample ID: LCS 720-78948/2-A
Client Matrix: Solid
Dilution: 1.0

Dilution: 1.0

Date Analyzed: 09/30/2010 1115

Date Prepared: 09/29/2010 1138

09/29/2010 1138

Unit

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

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:

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

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

Instrument ID: SVOA HP 4

| | | % Rec. | | | | | |
|------------------------|-----|-----------|----------|-----|-----------|--------------|-----------|
| Analyte | LCS | 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 | Accep | tance Limits | |
| 2-Fluorobiphenyl | | 82 | 80 | | 3 | 3 - 120 | |
| Terphenyl-d14 | | 94 | 91 | | 3 | 5 - 146 | |

Quality Control Results

Job Number: 720-30799-1

Client: AMEC Geomatrix Inc.

Matrix Spike/ Method: 8270C SIM
Matrix Spike Duplicate Recovery Report - Batch: 720-78948 Preparation: 3550B

MS Lab Sample ID: 720-30799-14
Client Matrix: Solid
Dilution: 1.0

Dilution: 1.0

Date Analyzed: 09/30/2010 1338

Date Prepared: 09/29/2010 1138

Prep Batch: 720-78948

Analysis Batch: 720-79035

Prep Batch: 720-78948

Date Prepared: 09/29/2010 1138

MSD Lab Sample ID: 720-30799-14 Analysis Batch: 720-79035

 Client Matrix:
 Solid

 Dilution:
 1.0

 Date Analyzed:
 09/30/2010 1402

 Date Prepared:
 09/29/2010 1138

720-78948 Lab File ID: 09301008.D Initial WeightVolume: 30.23 g Final WeightVolume: 1 mL Injection Volume: 1 uL

> 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

Instrument ID: SVOA HP 4

| | % | Rec. | | | | | |
|------------------------|----|----------|----------|-------|-----------|-------------|---------|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qua |
| 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 9 | % Rec | Acc | eptance Lim | its |
| 2-Fluorobiphenyl | | 59 | 61 | | 3 | 3 - 120 | |
| Terphenyl-d14 | | 85 | 83 | | 3 | 5 - 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 Lin | nits |
| 2-Fluorobiphenyl | 83 | 29 - 120 | *************************************** |
| Terphenyl-d14 | 96 | 45 - 120 | |

Quality Control Results Job Number: 720-30799-1

Client: AMEC Geomatrix Inc.

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:

Date Prepared:

Date Analyzed:

10/01/2010 1118 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

| | 9 | <u> 6 Rec.</u> | | | | | |
|------------------------|-----|----------------|----------|-----|-----------|--------------|----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qua |
| 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 r | '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 | L | CS % Rec | LCSD % | Rec | Accep | tance Limits | |
| 2-Fluorobiphenyl | 8 | 2 | 60 | | 2 | 9 - 120 | |
| Terphenyl-d14 | 9 | 1 | 89 | | 4 | 5 - 120 | |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

Method Blank - Batch: 720-78897

Method: 8015B Preparation: 3510C SGC Dissolved Instrument ID: CHDRO5

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

Date Prepared: 09/28/2010 1753

Dilution:

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

Units: ug/L

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 MDI RL Diesel Range Organics [C10-C28] 13.7 10 50 Motor Oil Range Organics [C24-C36] ND 130 300 Surrogate % Rec Acceptance Limits Capric Acid (Surr) 0.2 0 - 5 p-Terphenyl 31 - 150

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 720-78897 Method: 8015B Preparation: 3510C SGC Dissolved

Instrument ID: CHDRO5

0929105a 035.d

PRIMARY

Lab File ID:

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

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

Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume: Column ID:

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: ua/L

Instrument ID: CHDRO5 Lab File ID: 0929105a 036.d Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume: 1 ut Column ID: PRIMARY

% Rec. Analyte LCSD Limit RPD RPD Limit LCS Qual LCSD Qual Diesel Range Organics (C10-C28) 52 32 - 119 12 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 86 31 - 150 115

Quality Control Results Job Number: 720-30799-1

Client: AMEC Geomatrix Inc.

Method Blank - Batch: 720-79041

Method: 8015B Preparation: 3550B Silica Gel Cleanup

Lab Sample ID: MB 720-79041/1-A Client Matrix: Solid

Dilution: Date Analyzed: 10/01/2010 1431 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

Date Prepared: 09/30/2010 1126

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

LCSD Lab Sample ID: LCSD 720-79041/3-A

Solid

1.0

10/01/2010 1524

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 Instrument ID: CHDRO6

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

% Rec.

LCSD

LCS

Lab File ID: FID1000022.D Initial Weight/Volume: 30,24 a Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY Column ID:

RPD RPD Limit LCS Qual LCSD Qual

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution

Analyte

Limit

Diesel Range Organics [C10-C28]

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-1

PRIMARY

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 720-79041 Method: 8015B Preparation: 3550B Silica Gel Cleanup

Injection Volume:

Instrument ID: CHDRO6

Column ID:

Instrument ID: CHDRO6

Lab File ID: FID2000028.D

Final Weight/Volume: 2 mL

Initial Weight/Volume: 30.16 g

MS Lab Sample ID: 720-30837-A-6-B MS Analysis Batch: 720-79102 Client Matrix: Solid

Prep Batch; 720-79041

Dilution: 1.0 Date Analyzed: 10/01/2010 1737 Date Prepared: 09/30/2010 1126

MSD Lab Sample ID: 720-30837-A-6-C MSD Analysis Batch: 720-79102 Client Matrix: Solid Prep Batch: 720-79041

Dilution: 1.0

Date Analyzed: 10/01/2010 1759 Date Prepared: 09/30/2010 1126

Lab File ID: FID2000029.D Initial Weight/Volume: 30,18 g Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY Column ID:

% Rec. Analyte MSD Limit RPD Limit MS Qual MSD Qual Diesel Range Organics [C10-C28] 57 58 50 - 130 30 Surrogate MS % Rec MSD % Rec Acceptance Limits p-Terphenyl 93 97 46 - 115

Quality Control Results Job Number: 720-30799-1

Client: AMEC Geomatrix Inc.

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:

Prep Batch: 720-79293 Units: ug/L

Analysis Batch: 720-79353

Date Analyzed: 10/06/2010 0958 Date Prepared: 10/05/2010 0934

Instrument ID: CHDRO6 Lab File ID: FID1000009.D Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY

Column ID:

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

Instrument ID: CHDRO5

LCS Lab Sample ID: LCS 720-79293/2-A Client Matrix: Water Dilution: 1.0

Date Analyzed: 10/06/2010 0211 10/05/2010 0934 Date Prepared:

Analysis Batch: 720-79290 Prep Batch: 720-79293 Units: ug/L

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

10/05/2010 0934

Date Prepared:

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

Units: ua/L

Instrument ID: CHDRO5 Lab File ID: 1005105b_044.d Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL 1 uL

PRIMARY

Injection Volume: Column ID:

% Rec. Analyte LCS RPD RPD Limit LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 32 - 119 5 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 102 98 31 - 150

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| PROJECT NAME: Crown Chevrole | £ | 720-3 | DATE: 9/27/2010 PAGE 1 OF 3 3 |
|------------------------------|--|--|---|
| PROJECT NUMBER: DIOS 1600 7 | LABORATORY NAME: | CLIENT INFORMATION: | REPORTING REQUIREMENTS: |
| A P. Holi. | LABORATORY ADDRESS: | AMEC Geometis | |
| TORRIGOUND HAR STANDER | | | |
| SAMPLE SHIPMENT METHOD: | LABORATORY CONTACT: Ad S CA LABORATORY PHONE NUMBER: | | GEOTRACKER REQUIRED YES NO |
| | LABORATORY PHONE NUMBER: | | SITE SPECIFIC GLOBAL ID NO. |
| SAMPLERS (SIGNATURE): |) <u>u</u> ANALY | SES | |
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| | SIGNATURE AMOUNT | M SAMPLING COMMENTS: | |
| RINTED NAME: | PRINTED NAME OF 1902 | 127 1854 * Silica Gel cleany | 0 |
| ANGE | COMPANY | VOC. TPHE BIEX by | # 8260B & hope 100 |
| GNATURE A Cartiner of | SIGNATURE | 1 1 Tay IT' I want | 7 whose marked follow using Unit and siller |
| tallarinos) 127/0 1930 | | 9/27/ 1920 PAILS by 8270C | |
| 1455 | COMPANY; | Chromun = total & | |
| | SIGNATURE: | 2101 Webster Stre | eet, 12th Floor |
| | PRINTED NAME: COMPANY: | Oakland, Californi | |

RELINQUISHED BY: SAMPLERS PROJECT NAME: Cour Charded LAGORION NAME DATE (SIGNATURE): Sec 9/27/ 18:54 CABORATORY PHONE NUMBER x TPHd/m ANALYSES 1/2/854 DATE なる 2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141 SAMPLING COMMENTS: DATE: 9/27/2010 GEOTRACKER REQUIRED E Soil (S), Water (W), Vapor (V), or Other (O) W V Filtered OAK 13206 DSMISM 5 5 Geomatrix (~ い No. of Containers LAB FILTER ADDITIONAL COMMENTS 7 Page 53 of 54 11/04/2010

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 | P |
| 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 San Francisco

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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

Akenef Sal 3

Approved for releas Afsanen 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.

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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.

3C 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 Client Sample ID
Analyte 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 8260 | B/CA LUFTMS |
| Closed System Purge and Trap | TAL SF | | SW846 5035 |
| Diesel Range Organics (DRO) (GC) | TAL SF | SW846 8015 | 5B |
| 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.

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METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

| Method | | Analyst | Analyst ID |
|---------|----------------|----------------|------------|
| SW846 8 | 260B/CA_LUFTMS | Chen, Amy | AC |
| SW846 8 | 015B | 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 |

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11/04/2010

TestAmerica San Francisco

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-01-11.7

Lab Samole ID: 720-30799-2 Client Matrix: Solid

Date Sampled: 09/27/2010 0900

Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Preparation: 5035 Dilution: 1.0

Analysis Batch: 720-79201

Prep Batch: 720-79321

HP7 instrument ID:

Lab File ID: 10041009.D Initial Weight/Volume: 6.774 g Final Weight/Volume: 10 mL

Date Analyzed: 10/04/2010 1340 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 65 - 117 1,2-Dichloroethane-d4 (Surr) 73 - 140 96 Toluene-d8 (Surr) 96 72 - 113

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID:

SB-02-9.1

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

Solid

720-30799-4

Date Sampled: 09/27/2010 1005 Date Received: 09/27/2010 1920

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS 5035

Analysis Batch: 720-79201

Prep Batch: 720-79321

Instrument ID: Lab File ID:

HP7 10041010.D

Initial Weight/Volume: 6.583 g Final Weight/Volume: 10 mL

Date Analyzed: 10/04/2010 1414 10/04/2010 0800 Date Prepared:

1.0

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

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

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Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-04-8.5

Client Matrix:

Lab Sample ID:

720-30799-10

Solid

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

8260B/CA_LUFTMS 8260B / CA LUFT MS

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79201 Preparation: 5035 Prep Batch: 720-79321 Dilution: 1.0 Date Analyzed: 10/04/2010 1448

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

Date Prepared: 10/04/2010 0800

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|--------------------|----------------------|----------------|-----------|-------------------|
| Benzene | | ND | | 3.9 |
| Gasoline Range O | rganics (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 | e-d4 (Surr) | 99 | | 73 - 140 |
| 4-Bromofluorobenz | rene | 94 | | 65 - 117 |
| Toluene-d8 (Surr) | | 98 | | 72 - 113 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-04-7.0

Lab Sample ID: Client Matrix:

720-30799-11 Solid

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

| 3260B/CA | LUCTME | 99600 | 1001 | HET BE | • |
|----------|--------|-------|--------|-----------|----|
| ZOUD/CA | LUTINO | 02000 | / UM L | LUT I IVI | Э. |

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79201 Instrument ID: Preparation: 5035 Prep Batch: 720-79321 Lab File ID: 10041012.D Dilution: 1.0 Initial Weight/Volume: 6.315 g Date Analyzed: 10/04/2010 1522 Final Weight/Volume: 10 mL Date Prepared: 10/04/2010 0800

| Analyte | DryWt Corrected; N | Result (ug/Kg) | Qualifier | RL |
|-------------------|---------------------|----------------|-----------|-----|
| Benzene | | ND | | 4.0 |
| Gasoline Range Or | ganics (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 Client Matrix: Solid

Date Sampled: 09/27/2010 1650

Date Received: 09/27/2010 1920

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

8015B 3550B

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

Instrument ID:

Method:

Preparation: Dilution: 1.0

Method:

CHDRO6 Initial Weight/Volume: 30.45 g

Final Weight/Volume: 2 mL Injection Volume:

10/05/2010 1807 Date Analyzed: 10/04/2010 1427 Date Prepared:

Result Type:

Qualifier

1 uL PRIMARY

DryWt Corrected: N Analyte Diesel Range Organics [C10-C28]

Result (mg/Kg) ND

RL 0.99

Motor Oil Range Organics [C24-C36] ND 49

Surrogate Capric Acid (Surr) p-Terphenyl

%Rec 0.04 90

Qualifier

Acceptance Limits 0 - 5 46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30799-2

Client Sample ID: SB-04-7.0

Lab Sample ID: Client Matrix:

Dilution:

720-30799-11 Solid

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

Qualifier

Qualifier

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

8015B Preparation: 3550B

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

Instrument ID: CHDRO6 Initial Weight/Volume: 30.22 g Final Weight/Volume: 2 mL Injection Volume:

1.0 10/05/2010 1829 Date Analyzed: Date Prepared: 10/04/2010 1427

Result Type: PRIMARY

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

RL 0.99

50

Surrogate Capric Acid (Surr) p-Terphenyl

%Rec 0.2 83

Acceptance Limits

0 - 5 46 - 115

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DATA REPORTING QUALIFIERS

Lab Section Qualifier Description

Quality Control Results

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:720-79 | 201 | | | | |
| 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 | Т | 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 | т | 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 | Т | Solid | 5035 | |
| LCS 720-79321/4-A | Lab Control Sample | Т | Solid | 5035 | |
| LCSD 720-79321/3-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| LCSD 720-79321/5-A | Lab Control Sample Duplicate | T | Solid | 5035 | |
| MB 720-79321/1-A | Method Blank | Т | Solid | 5035 | |
| 720-30799-2 | SB-01-11.7 | Т | Solid | 5035 | |
| 720-30799-4 | SB-02-9.1 | Т | Solid | 5035 | |
| 720-30799-10 | SB-04-8.5 | Т | Solid | 5035 | |
| 720-30799-11 | SB-04-7.0 | Т | 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:720-79 | 206 | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 8015B | 720-79235 |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79235 |
| MB 720-79235/1-A | Method Blank | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-79235 | 1 | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 3550B | |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 3550B | |
| MB 720-79235/1-A | Method Blank | Α | Solid | 3550B | |
| 720-30799-10 | SB-04-8.5 | Α | Solid | 3550B | |
| 720-30799-11 | SB-04-7.0 | Α | Solid | 3550B | |
| 720-30865-A-3-D MS | Matrix Spike | Α | Solid | 3550B | |
| 720-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 3550B | |
| Analysis Batch:720-79 | 276 | | | | |
| 720-30799-10 | SB-04-8.5 | Α | Solid | 8015B | 720-79235 |
| 720-30799-11 | SB-04-7.0 | Α | Solid | 8015B | 720-79235 |
| 720-30865-A-3-D MS | Matrix Spike | Α | Solid | 8015B | 720-79235 |
| 720-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 8015B | 720-79235 |

Report Basis
A = Silica Gel Cleanup

TestAmerica San Francisco

Quality Control Results

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

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

Date Analyzed: 10/04/2010 1042 Date Prepared: 10/04/2010 0800

| 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 - 14 | 0 |
| 4-Bromofluorobenzene | 98 | 65 - 11 | 7 |
| Toluene-d8 (Surr) | 96 | 72 - 11 | 3 |

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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

Lab File ID: 10041005.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Instrument ID: HP7

Instrument ID: HP7

LCS Lab Sample ID: LCS 720-79321/2-A

Client Matrix: Solid Dilution: 1.0

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

Units: ug/Kg

Date Analyzed: 10/04/2010 1116 Date Prepared: 10/04/2010 0800

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

Lab File ID: 10041006.D

Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

| | 9 | % Rec. | | | | | |
|------------------------------|-----|-----------|----------|-----|-----------|---------------|-----------|
| Analyte | LCS | 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 | L | .CS % Rec | LCSD % | | | otance Limits | |
| 1,2-Dichloroethane-d4 (Surr) | 1 | 01 | 103 | | 7 | 3 - 140 | |
| 4-Bromofluorobenzene | g | 9 | 100 | | 6 | 5 - 117 | |
| Toluene-d8 (Surr) | ç | 8 | 97 | | 7 | 2 - 113 | |

Quality Control Results Job Number: 720-30799-2

Client: AMEC Geomatrix Inc.

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 Solid

Client Matrix: Dilution:

1.0

Date Analyzed: 10/04/2010 1224

Date Prepared:

10/04/2010 0800

10/04/2010 1258

10/04/2010 0800

Prep Batch: 720-79321

Analysis Batch: 720-79201

Units: ug/Kg

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

Instrument ID: HP7

LCSD Lab Sample ID: LCSD 720-79321/5-A Client Matrix: Solid 1.0

Dilution:

Date Analyzed:

Date Prepared:

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

| | 9 | 6 Rec. | | | | | | | |
|--------------------------------------|-----|----------|----------|-----|-------------------|----------|-----------|--|--|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual | | |
| Gasoline Range Organics (GRO)-C5-C12 | 83 | 84 | 68 - 115 | 1 | 20 | | | | |
| Surrogate | | CS % Rec | LCSD % | | Acceptance Limits | | | | |
| 1,2-Dichloroethane-d4 (Surr) | | 00 | 104 | | | 3 - 140 | | | |
| 4-Bromofluorobenzene | 9 | 9 | 103 | | 6 | 5 - 117 | | | |
| Toluene-d8 (Surr) | 9 | 4 | 98 | | 7 | 2 - 113 | | | |

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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 1.0

Dilution:

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:

Date Prepared:

Date Analyzed:

Date Prepared:

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

10/05/2010 0619

10/04/2010 1427

10/05/2010 0642

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 a 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 | | S % Rec | LCSD % I | | | tance Limits | |
| p-Terphenyl | 10 | | 100 | | | 3 - 115 | |

Quality Control Results Job Number: 720-30799-2

PRIMARY

Client: AMEC Geomatrix Inc.

Matrix Spike/

Client Matrix:

Date Prepared:

Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B Preparation: 3550B Silica Gel Cleanup

Column ID:

Instrument ID: CHDRO6

Lab File ID: FID1000012.D

Final Weight/Volume: 2 mL

Injection Volume: 1 uL

Initial Weight/Volume: 30.42 g

MS Lab Sample ID: 720-30865-A-3-D MS Solid 1.0

Solid

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

Dilution: Date Analyzed: Date Prepared:

10/05/2010 1125 10/04/2010 1427

10/04/2010 1427

MSD Lab Sample ID: 720-30865-A-3-E MSD Analysis Batch: 720-79276

Client Matrix: Dilution: 1.0 10/05/2010 1147 Date Analyzed:

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 PRIMARY Column ID:

% Rec Analyte MSD Limit RPD Limit MS Qual MSD Qual Diesel Range Organics [C10-C28] 55 50 - 130 28 73 30 Surrogate MS % Rec MSD % Rec Acceptance Limits p-Terphenyl 93 46 - 115

TestAmerica San Francisco

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| PROJECT NAME | Crown | Cher | rolat | _ | | | | | • | | | | | | 507 | D/ | TE G | 7/29 | -/20 | | P | AGE | 2 | 205 ^{/∠} _o⊧ 3 | |
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| PROJECT NUMBER: | | | | LAB | ORATOR | Y NAME | | | | CLIENT | NFOR | MATION | : | | .40 | REA | PORTING | | | | | | oni dia ca | (N. 1947) | |
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| TURNAROUND YIME: | | | See | Page 14.3 Georatory contact: | | | | | *************************************** | | | | | 1.1% | 10070 | 1.0 | | | | W.S | | | | | |
| SAMPLE SHIPMENT METH | OD: | | | 1 | | | | | | | | | | | | GE | OTRACKE | R REQU | IRED | .40.404.5 | | 100 | YES | NO | |
| | | | | LAB | ORATOR | Y PHON | E NUMBE | R: | | | | | | | | | E SPECIF | | | NO | 1940 | 1 | W | | |
| SAMPLERS | (SIGNA | TURE |): | 122 | | | | AN | ALY | SES | | | | | | 1011 | | | T | | | 750 | | | |
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SAMPLERS CHAIN-OF-CUSTODY RECORD PROJECT NAME: Crun Charded PROJECT NUMBER: DATE RELINQUISHED BY TIME (SIGNATURE): 18:54 LABORATORY PHONE NUMBER TPHd/m 158 2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141 SITE SPECIFIC GLOBAL ₹ ₹ Fillered Cooled CSM\SM 5 5 Geomatrix 2 (No. of Containers 32U6 AB FILTER Page 23 of 24 11/04/2010

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 | |
| /OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| f 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 San Francisco

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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

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

Akaref Sal

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

Job Narrative 720-30837-1

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 Organ | nics [C10-C28] | <i>18</i> < 53 ЈВ | 53 | ug/L | 8015B |
| 720-30837-6 | SB-06-3,0 | _ | | | |
| Naphthalene | | 9.4 丁 | 4.9 | ug/Kg | 8270C SIM |
| 720-30837-8 | SB-06 | | | | |
| Cr (VI) | | 0.94 | 0.50 | ug/L | 7199 |
| Dissolved Diesel Range Organ | nics [C10-C28] | 22/253 JB | 53 | ug/L | 8015B |
| 720-30837-11 | SB-12 | | | | |
| Silica Gel Cleanup Diesel Range Organ | | 11 J J | 51 | ug/L | 8015B |
| Dissolved Diesel Range Organ | nics [C10-C28] | 18 < 52 JB | 52 | ug/L | 8015B |
| 720-30837-13 | SB-09-4.9 | | | | |
| Naphthalene | | 5.0 丁 | 5.0 | ug/Kg | 8270C SIM |
| Silica Gel Cleanup Diesel Range Organ | | 1.4 | 0.99 | mg/Kg | 8015B |
| 720-30837-14 | SB-05 | | | | |
| Cr (VI) | | 1.1 | 0.50 | ug/L | 7199 |
| Dissolved Diesel Range Organ | nics [C10-C28] | 18 < 52 JB | 52 | ug/L | 8015B |
| 720-30837-15 | SB-05-0.7 | | | | |
| Silica Gel Cleanup Diesel Range Organ Motor Oil Range Organ | nics [C10-C28] | 20 58 | 1.0 | mg/Kg mg/Kg | 8015B 8015B |

TestAmerica San Francisco

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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 Naphthalene | SB-09-11.8 | 5.1 丁 | 5.0 | ug/Kg | 8270C SIM |
| 720-30837-20 Chlorobenzene | SB-03-2.8 | 2600 | 440 | ug/Kg | 8260B/CA_LUFTMS |
| 720-30837-21 | SB-03-3.2 | | | | |
| Chlorobenzene 1,4-Dichlorobenzen Gasoline Range Org | e ganics (GRO)-C5-C12 | 90000 5400 1200000 | 5200 5200 260000 | ug/Kg ug/Kg ug/Kg | 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS |
| 720-30837-22 | SB-03-11.5 | | | | |
| Chlorobenzene 1,2-Dichlorobenzen | e | 6500 15000 | 440 440 | ug/Kg ug/Kg | 8260B/CA_LUFTMS 8260B/CA_LUFTMS |
| 720-30837-23 | SB-03-6.5 | | | | |
| Chlorobenzene 1,2-Dichlorobenzen 1,4-Dichlorobenzen | | 26000 30000 1700 | 400 400 400 | ug/Kg ug/Kg ug/Kg | 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS |

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METHOD SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

| Description | Lab Location | Method | Preparation Method |
|---|----------------------------|-------------|-------------------------------|
| Matrix: Solid | | | |
| 8260B / CA LUFT MS Closed System Purge and Trap | TAL SF TAL SF | SW846 8260E | B/CA_LUFTMS SW846 5035 |
| Semivolatile Organic Compounds (GC/MS SIM) Ultrasonic Extraction | TAL SF TAL SF | SW846 82700 | SIM SW846 3550B |
| Diesel Range Organics (DRO) (GC) Ultrasonic Extraction | TAL SF TAL SF | SW846 8015E | SW846 3550B |
| Matrix: Water | | | |
| Semivolatile Organic Compounds (GC/MS SIM) Liquid-Liquid Extraction (Separatory Funnel) | TAL SF TAL SF | SW846 82700 | SIM SW846 3510C |
| Diesel Range Organics (DRO) (GC) Sample Filtration Liquid-Liquid Extraction (Separatory Funnel) | TAL SF TAL SF TAL SF | SW846 8015E | FILTRATION 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 SW846 8260B/CA_LUFTMS | Chen, Amy Nguyen, Thuy M | AC TMN | |
| SW846 8270C SIM | Lee, Michael | ML | |
| SW846 8015B | Hayashi, Derek | DH | |
| SW846 7199 | Kojiro, Mariko J | MJK | |

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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 |

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Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-2.8

720-30837-20 Lab Sample ID: Client Matrix: Solid

Date Sampled: 09/28/2010 1558

Date Received: 09/28/2010 1800

Method: 8260B/CA_LUFTMS Analysis Batch: 720-79265 Preparation: 5035 Prep Batch: 720-79297 Dilution: 100

Instrument ID: HP5 100410023.D Lab File ID: Initial Weight/Volume: 5.633 g
Final Weight/Volume: 10 mL

Date Analyzed: Date Prepared:

10/04/2010 2113 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-Chloropropai | ne | 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 (MIBI | <) | ND | | 4400 |
| Naphthalene | 7 | ND | | 890 |
| Naphthalene | | ND | | 890 |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-2.8

720-30837-20

Client Matrix: Solid

Lab Sample ID:

Date Sampled: 09/28/2010 1558 Date Received: 09/28/2010 1800

| 3260B/CA LUFTMS 8260B / CA LUFT |
|---------------------------------|
|---------------------------------|

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

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|-----------------------|--------------------|----------------|-----------|-------|
| N-Propylbenzene | | ND | | 440 |
| Styrene | | ND | | 440 |
| 1,1,1,2-Tetrachloroe | ethane | ND | | 440 |
| 1,1,2,2-Tetrachloroe | ethane | ' ND | | 440 |
| Tetrachloroethene | | ND | | 440 |
| Toluene | | ' ND | | 440 |
| 1,2,3-Trichlorobenzo | ene | ND | | 440 |
| 1,2,4-Trichlorobenzo | ene | ND | | 440 |
| 1,1,1-Trichloroethar | ne . | ND | | 440 |
| 1,1,2-Trichloroethan | ne | ND | | 440 |
| Trichloroethene | | ND | | 440 |
| Trichlorofluorometha | ane | ND | | 440 |
| 1,2,3-Trichloropropa | ane | ND | | 440 |
| 1,1,2-Trichloro-1,2,2 | 2-trifluoroethane | ND | | 440 |
| 1,2,4-Trimethylbenz | ene | ND | | 440 |
| 1,3,5-Trimethylbenz | ene | ND | | 440 |
| Vinyl acetate | | ND | | 4400 |
| Vinyl chloride | | ND | | 440 |
| Xylenes, Total | | ND | | 890 |
| 2,2-Dichloropropane | e | ND | | 440 |
| Gasoline Range Ord | anics (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 - 1/1 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-3.2

Lab Sample ID:

Client Matrix:

720-30837-21 Solid

Date Sampled: 09/28/2010 1610 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

09/29/2010 1542 Date Prepared:

| 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 | e | 5200 |
| Carbon tetrachloride | | ND | | 5200 |
| Chlorobenzene | | 90000 | | 5200 |
| Chloroethane | | ND | | 10000 |
| Chloroform | | ND . | | |
| Chloromethane | | ND . | | 5200 |
| | | | | 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-Chloropropar | ne | 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 (MIB) | () | ND | | |
| Naphthalene | V) | | | 52000 |
| ivapi ii latene | | ND | | 10000 |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-3.2

Lab Sample ID: 720-30837-21 Client Matrix:

Solid

Date Sampled: 09/28/2010 1610 Date Received: 09/28/2010 1800

| 8260B/CA LUETMS 8260B / CALUET N | | | | | | |
|----------------------------------|----------|---------|-------|-----|------|-----|
| | A 2/1002 | LIIETME | 02600 | 100 | LHET | R.A |

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

| Date Analyzed: | 10/01/2010 1420 | | Final W | reight/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-Tetrachlor | oethane | ND | | 5200 |
| 1,1,2,2-Tetrachlor | oethane | ND | | 5200 |
| Tetrachloroethene | • | ND | | 5200 |
| Toluene | | ND | | 5200 |
| 1,2,3-Trichloroben | zene | ND | | 5200 |
| 1,2,4-Trichloroben | zene | ND | | 5200 |
| 1,1,1-Trichloroetha | ane | ND | | 5200 |
| 1,1,2-Trichloroetha | ane | ND | | 5200 |
| Trichloroethene | | ND | | 5200 |
| Trichlorofluoromet | thane | ND | | 5200 |
| 1,2,3-Trichloropro | pane | ND | | 5200 |
| 1,1,2-Trichloro-1,2 | 2,2-trifluoroethane | ND | | 5200 |
| 1,2,4-Trimethylber | nzene | ND | | 5200 |
| 1,3,5-Trimethylber | nzene | ND | | 5200 |
| Vinyl acetate | | ND | | 52000 |
| Vinyl chloride | | ND | | 5200 |
| Xylenes, Total | | ND | | 10000 |
| 2,2-Dichloropropa | | ND | | 5200 |
| Gasoline Range C | Organics (GRO)-C5-C12 | 1200000 | | 260000 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 4-Bromofluoroben | zene | 101 | | 66 - 148 |
| 1,2-Dichloroethan | e-d4 (Surr) | 92 | | 62 - 137 |
| Toluene-d8 (Surr) | | 95 | | 65 - 141 |
| | | | | |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-11.5

10/01/2010 1348

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

Date Analyzed:

Solid

720-30837-22

Date Sampled: 09/28/2010 1640 Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS Analysis Batch: 720-79105 5035

Prep Batch: 720-79069

HP5 Instrument ID: 100110011.D Lab File ID: Initial Weight/Volume: 5.704 g

Final Weight/Volume: 10 mL

09/29/2010 1542 Date Prepared:

100

| Methyl tert-butyl ether Acetone | | Result (ug/Kg) | | RL |
|--|-----|----------------|-----|-------------|
| A | | 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-Chloroprop | ano | ND | | 4400 |
| Ethylene Dibromide | ane | ND | | 440 |
| Dibromomethane | | ND | _ | 880 |
| Dichlorodifluoromethane | | ND | | 880 |
| 1.1-Dichloroethane | | ND 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 |
| | | ND | | 440 |
| cis-1,3-Dichloropropene trans-1,3-Dichloropropene | | ND | | |
| | | | | 440 |
| Ethylbenzene Hexachlorobutadiene | | ND | e * | 440 |
| | | ND | | 440 |
| 2-Hexanone | | ND | | 4400 |
| Isopropylbenzene | | ND | | 440 |
| 4-Isopropyltoluene | | ND | | 440 |
| Methylene Chloride | *** | ND | | 880 |
| 4-Methyl-2-pentanone (MII Naphthalene | sk) | ND ND | | 4400 880 |

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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

Acceptance Limits

66 - 148

62 - 137

65 - 141

| 8260B/CA | LUETMS | 8260R | CA | LUET | MIS |
|----------|--------|-------|----|------|-----|
| | | | | | |

| Method: Preparation: | 8260B/CA_LUFTMS 5035 | Analysis Batch: 720-79105 Prep Batch: 720-79069 | Instrument ID: Lab File ID: | HP5 100110011.D |
|-------------------------|-------------------------|--|--------------------------------|--------------------|
| Dilution: | 100 | • | Initial Weight/Volume: | 5.704 g |
| Date Analyzed: | 10/01/2010 13/48 | | Einal Maight Maluma | 10 ml |

09/29/2010 1542 Date Prepared:

| Analyte DryWt Correct | ed: 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 |

%Rec

97

91

96

Qualifier

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-6.5

Lab Sample ID: 720-30837-23

Client Matrix: Solid

Analyte

2-Hexanone

Naphthalene

Isopropylbenzene

4-Isopropyltoluene

Methylene Chloride

4-Methyl-2-pentanone (MIBK)

Date Sampled: 09/28/2010 1655 Date Received: 09/28/2010 1800

RL

4000

400

400

800

4000

8260B/CA LUFTMS 8260B / CA LUFT MS

Qualifier

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

Result (ug/Kg)

10/04/2010 2145 Date Analyzed: Date Prepared: 10/04/2010 1700

DryWt Corrected: N

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

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ND

ND

ND

ND

ND

ND

Surrogate

4-Bromofluorobenzene

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-03-6.5

Lab Sample ID: 720-30837-23 Client Matrix:

Solid

Date Sampled: 09/28/2010 1655

Date Received: 09/28/2010 1800

62 - 137

65 - 141

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

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|----------------------|----------------------|----------------|-----------|-------------------|
| N-Propylbenzene | | ND | | 400 |
| Styrene | | ND | | 400 |
| 1,1,1,2-Tetrachloro | ethane | ND | | 400 |
| 1,1,2,2-Tetrachlord | ethane | ND | | 400 |
| Tetrachloroethene | | ND | | 400 |
| Toluene | | ND | | 400 |
| 1,2,3-Trichlorobenz | zene | ND | | 400 |
| 1,2,4-Trichlorobena | zene | ND | | 400 |
| 1,1,1-Trichloroetha | ne | ND | | 400 |
| 1,1,2-Trichloroetha | ne | ND | | 400 |
| Trichloroethene | | ND | | 400 |
| Trichlorofluorometh | nane | ND | | 400 |
| 1,2,3-Trichloroprop | ane | ND | | 400 |
| 1,1,2-Trichloro-1,2, | 2-trifluoroethane | ND | | 400 |
| 1,2,4-Trimethylben | zene | ND | | 400 |
| 1,3,5-Trimethylben | zene | ND | | 400 |
| Vinyl acetate | | ND | | 4000 |
| Vinyl chloride | | ND | | 400 |
| Xylenes, Total | | ND | | 800 |
| 2,2-Dichloropropar | ie | ND | | 400 |
| Gasoline Range O | rganics (GRO)-C5-C12 | ND | | 20000 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 4-Bromofluorobenz | ene | 108 | | 66 - 148 |
| 4.0.04.44 | 11.10 | | | |

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Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-10-11.5

Lab Sample ID: Client Matrix;

720-30837-1 Solid

Date Sampled: 09/28/2010 0730 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 | | NDUJ | | 5.0 |
| Acenaphthene | | NDUJ | | 5.0 |
| Acenaphthylene | | NDUJ | | 5.0 |
| Fluorene | | NDUJ | | 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 |

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

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-10

Lab Sample ID:

Client Matrix:

720-30837-5 Water

Date Sampled: 09/28/2010 0848 Date Received: 09/28/2010 1800

| Method: | | | 8270C SIM Semivolatile | Organic Compounds | (GC/MS SIM) | |
|--|---|------------------------------|------------------------|-------------------|--|------------------------------|
| 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 Benzo[a]pyrene ND 0.10 Benzo[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[a]k[fluoranthene ND 0.10 Benzo[a], i]perylene ND UT 0.10 Indeno[1,2,3-cd]pyrene ND UT 0. | Preparation: Dilution; Date Analyzed: | 3510C 1.0 10/04/2010 1 | Prep Batch: 7 | | Lab File ID: Initial Weight/Volume: Final Weight/Volume: | 10041012.D 980 mL 1 mL |
| Acenaphthene | Analyte | | Resul | lt (ug/L) Qua | lifier | RL |
| 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[b]fluoranthene ND 0.10 Benzo[b]fluoranthene ND 0.10 Indeno[1,2,3-cd]pyrene ND UT 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND UT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | Naphthalene | | ND | | | 1.0 |
| Fluorene | Acenaphthene | | 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[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[b, n]perylene ND 0.10 Indeno[1,2,3-cd]pyrene ND 0.10 Indeno[1,2,3-cd]pyrene ND 0.10 Fluoranthene ND 0.10 Fluoranthene ND 0.10 Surrogate ND 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | ND | | | 0.10 |
| Benzo[a]anthracene | | | ND | | | 0.10 |
| Chryssene ND 0.10 Benzo[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[g,h.i]perylene ND UT 0.10 Indeno[1,2,3-cd]pyrene ND 0.10 0.10 Fluoranthene ND 0.10 0.10 Pyrene ND 0.10 0.10 Dibenz(a,h)anthracene ND UT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | 0.10 |
| Benzo[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0,10 Benzo[s]h(i)perylene ND 0.10 Benzo[g,h,i)perylene ND WT 0.10 Indeno[1,2,3-cd]pyrene ND WT 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND WT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | ene | | | | 0.10 |
| Benzo[b]fluoranthene ND 0.10 Benzo[k]fluoranthene ND 0.10 Benzo[a], hijperylene ND LT 0.10 Benzo[a], hijperylene ND LT 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Pyrene ND LT 0.10 Dibenz(a,h)anthracene ND LT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | 0.10 |
| Benzo[k]fluoranthene ND 0.10 Benzo[s,h.]perylene ND LT 0.10 Indeno[1,2,3-cd]pyrene ND 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND LT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | |
| Benzo[g,h,i]perylene ND LLT 0.10 Indeno[1,2,3-cd]pyrene ND LLT 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND LLT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | |
| Indeno(1,2,3-cd)pyrene ND #F 0,10 Fluoranthene ND 0,10 Pyrene ND 0,10 Dibenz(a,h)anthracene ND #F 0,10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | |
| Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND LT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | |
| Pyrene ND 0.10 Dibenz(a,h)anthracene ND L.J 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | yrene | | 3 | | |
| Dibenz(a,h)anthracene ND & \$ \$ \$ \$ 0.10\$ Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | | | |
| Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 48 29 - 120 | | | | _ | | |
| 2-Fluorobiphenyl 48 29 - 120 | Dibenz(a,n)anthra | acene | ND K | -3 | | 0.10 |
| | Surrogate | | %Red | Qua | lifier Accepta | nce Limits |
| Terphenyl-d14 97 45 - 120 | 2-Fluorobiphenyl | | 48 | | 29 - 120 | |
| | Terphenyl-d14 | | 97 | | 45 - 120 | |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06-3.0

Lab Sample ID: 720-30837-6

Client Matrix;

Solid

Date Sampled: 09/28/2010 1005 Date Received: 09/28/2010 1800

| | 8270C 5 | SIM Semivolatile Organic Com | pounds (GC/MS SIM) | |
|--|---|--|---|--|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3550B 1.0 10/01/2010 1811 09/30/2010 1137 | Analysis Batch: 720-79121 Prep Batch: 720-79044 | Instrument IC Lab File ID: Initial Weight Final Weight Injection Voli | 100110020.D Volume: 30.32 g Volume: 1 mL |
| Analyte | DryWt Correct | ed: N Result (ug/Kg) | Qualifier | RL |
| Vaphthalene | | 9.4 5 | *************************************** | 4.9 |
| Acenaphthene | | ND W J | | 4.9 |
| Acenaphthylene | | ND KJ | | 4.9 |
| luorene | | ND UJ | | 4.9 |
| Phenanthrene | | NDUJ | | 4.9 |
| Anthracene | | ND | | 4.9 |
| Benzo(a)anthrace | ine | ND | | 4.9 |
| Chrysene | | ND | | 4.9 |
| Benzo(a)pyrene | | ND | | 4.9 |
| Benzo[b]fluoranth | | ND | , | 4.9 |
| Benzo(k)fluoranth | | ND | e · | 4.9 |
| 3enzo[g.h,i]peryle | | ND | | 4.9 |
| ndeno[1,2,3-cd]p | yrene | ND | | 4.9 |
| luoranthene | | ND | | 4.9 |
| Pyrene | | ND | | 4.9 |
| Dibenz(a,h)anthra | acene | ND | | 4.9 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 2-Fluorobiphenyl | | 81 | | 33 - 120 |
| Ferphenyl-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 Client Matrix:

Solid

Date Sampled: 09/28/2010 1025 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 of |

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|------------------------|---|----------------|-----------|-------------------|
| Naphthalene | *************************************** | ND W.J | | 5.0 |
| Acenaphthene | | ND UJ | | , 5.0 |
| Acenaphthylene | | ND UJ | | 5.0 |
| Fluorene | | ND UT | | 5.0 |
| Phenanthrene | | ND WJ | | 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 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID:

Client Matrix:

720-30837-8 Water

Date Sampled: 09/28/2010 1105 Date Received: 09/28/2010 1800

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

| | | 8270C S | IM Semivolatile Organic Comp | ounds (GC | C/MS SIM) | |
|--|---|---------|--|---------------|---|---|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3510C 1.0 10/04/2010 10/01/2010 | | Analysis Batch: 720-79226 Prep Batch: 720-79141 | L: Ir F | strument ID: ab File ID: iitial Weight/Volume: inal Weight/Volume: ijection Volume: | SVOA HP 4 10041013.D 970 mL 1 mL 1 uL |
| Analyte | | | Result (ug/L) | Qualifier | | RL |
| Naphthalene | . 14 1 - 4 - 1 - 4 - 1 - 1 - 1 - 1 - 1 - | | 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]anthrace | ne | | ND | | | 0.10 |
| Chrysene | | | ND | | | 0.10 |
| Benzo[a]pyrene | | | ND | | | 0.10 |
| Benzo[b]fluoranth | | | ND | | | 0.10 |
| Benzo[k]fluoranth | | | ND | | | 0.10 |
| Benzo[g,h,i]peryle | | | NDUT | | | 0.10 |
| Indeno[1,2,3-cd]p | yrene | | NDUJ | | | 0.10 |
| Fluoranthene | | | ND | | | 0.10 |
| Pyrene | | | ND | | | 0.10 |
| Dibenz(a,h)anthra | cene | | ND UJ | | | 0.10 |
| Surrogate | | | %Rec | Qualifier | Acceptan | ce 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

Method:

Dilution:

Preparation:

Date Analyzed:

Date Prepared: Analyte

Naphthalene Acenaphthene Acenaphthylene Fluorene Phenanthrene Anthracene Benzo[a]anthracene Chrysene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[g,h,i]perylene Indeno[1,2,3-cd]pyrene

Fluoranthene

Dibenz(a,h)anthracene

Pyrene

Lab Sample ID: 720-30837-9

Client Matrix: Solid Date Sampled: 09/28/2010 1155 Date Received: 09/28/2010 1800

4.9

4.9 4.9 4.9

| 35 1.0 10 | 70C SIM 50B 0 0 0/01/2010 1857 //30/2010 1137 | Analysis Batch: 720-79121 Prep Batch: 720-79044 | Instrument ID: Lab File ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: | HP#3 100110022.D 30.38 g 1 mL 1 uL | |
|-----------------|--|--|---|--|--|
| | DryWt Corrected: N | N Result (ug/Kg) | Qualifier | RL | |
| | | NDUJ | | 4.9 | |
| | | NDUJ | | 4.9 | |
| | | ND U T | | 4.9 | |
| | | ND U J | | 4.9 | |
| | | ND UT | | 4.9 | |
| | | ND | | 4.9 | |
| ene | | ND | | 4.9 | |
| | | ND | | 4.9 | |
| | | ND | | 4.9 | |
| nene | | ND | | 4.9 | |
| ene | | ND | | 4.9 | |
| ene | | ND | | 4.9 | |

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

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

ND

ND

ND

ND

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05-11.5

Lab Sample ID: 720-30837-10

Client Matrix; Solid Date Sampled: 09/28/2010 1205 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 | | NDUJ | ••••••••••••••••• | 5.0 |
| Acenaphthene | | ND WJ | | 5.0 |
| Acenaphthylene | | ND UJ | | 5.0 |
| Fluorene | | ND UJ | | 5.0 |
| Phenanthrene | | ND LJ | | 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 | | NĎ | | 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 |

| 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

720-30837-11 Lab Sample ID: Client Matrix:

Water

Date Sampled: 09/28/2010 1340

Date Received: 09/28/2010 1800

| | | 8270C SIM | l Semivolatile Organic Com | pounds (| GC/MS SIM) | |
|---|---|-----------|--|----------|---|---|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3510C 1.0 10/04/2010 10/01/2010 | | Analysis Batch: 720-79226 Prep Batch: 720-79141 | | Instrument ID: Lab File ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: | SVOA HP 4 10041014.D 990 mL 1 mL 1 uL |
| Analyte Naphthalene Acenaphthene Acenaphthylene Fluorene Phenanthrene Anthracene Benzo[a]anthracenc Chrysene Benzo[a]pyrene Benzo[k]fluoranthe Benzo[k]fluoranthe Benzo[k], i)peryle Indeno[1,2,3-cd]py Fluoranthene Pyrene Dibenz(a,h)anthra | ene ene ne vrene | | Result (ug/L) ND | Qualifi | er | RL 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1 |
| Surrogate 2-Fluorobiphenyl Terphenyl-d14 | | · | %Rec 61 96 | Qualifi | er Accepta 29 - 120 45 - 120 | |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-09-4.9

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

720-30837-13

Solid

Date Sampled: 09/28/2010 1405 Date Received: 09/28/2010 1800

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

8270C SIM Analysis Batch: 720-79121 3550B Prep Batch: 720-79044 1.0

HP#3 Instrument ID: 100110024.D Lab File ID: Initial Weight/Volume: 30.02 g Final Weight/Volume: 1 mL

Date Analyzed: 10/01/2010 1943 Date Prepared: 09/30/2010 1137 Injection Volume:

| Analyte | DryWt Corrected; N | Result (ug/Kg) | Qualifier | RL |
|------------------------|--|----------------|-----------|-----|
| Naphthalene | ······································ | 5.0 J | | 5.0 |
| Acenaphthene | | ND WJ | | 5.0 |
| Acenaphthylene | | ND UJ | | 5.0 |
| Fluorene | | ND W | | 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-Fluorobiphenyi | 81 | | 33 - 120 | |
| Terphenyl-d14 | 102 | | 35 - 146 | |

TestAmerica San Francisco

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TestAmerica San Francisco

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05

Lab Sample ID: Client Matrix: Water

720-30837-14

Date Sampled: 09/28/2010 1420 Date Received: 09/28/2010 1800

| 8270C SIM Semivolatile Organic Compounds (GC/MS SIM) | | | | | | | |
|--|------------------|--|--|----------|------------|---|---|
| Method: 8270C SIM Preparation: 3510C Dilution: 1.0 Date Analyzed: 10/04/2010 1717 Date Prepared: 10/01/2010 1436 | | | Analysis Batch: 720-79226 Prep Batch: 720-79141 | | | Instrument ID: Lab File ID: Initial Weight/Volume: Final Weight/Volume: Injection Volume: | SVOA HP 4 10041015.D 990 mL 1 mL 1 uL |
| Analyte Naphthalene Acenaphthene Acenaphthylene Fluorene Phenanthrene Anthracene Benzo(a)anthracer Chrysene Benzo(a)fluoranthe Benzo(b)fluoranthe Benzo(g,h,i)peryler Indeno(1,2,3-cd)py Fluoranthene | ene ene ne | | Result ND | 3 | Qualifie | er | RL 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1 |
| Pyrene Dibenz(a,h)anthrac Surrogate | cene | | ND ND 44 %Rec | r | Qualifie | er Accenta | 0.10 0.10 nce Limits |
| 2-Fluorobiphenyl Terphenyl-d14 | | | 51 96 | | QUALITIC . | 29 - 120 45 - 120 | |

Analytical Data

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

| | 00 | | | | Date 110 | 001100.0072072010 |
|--------------------|------------|-------------------|-------------------------|--------------|----------------|-------------------|
| | | 8270C SIM Ser | nivolatile Organic Comp | ounds (GC/MS | S SIM) | |
| Method: | 8270C SIN | // An | alysis Batch: 720-79121 | Instru | ment ID: | HP#3 |
| Preparation: | 3550B | Pre | ep Batch: 720-79044 | Lab F | ile ID; | 100110030.D |
| Dilution: | 2.0 | | • | Initial | Weight/Volume: | 30.11 q |
| Date Analyzed: | 10/01/2010 | 2200 | | | Weight/Volume: | 1 mL |
| Date Prepared: | 09/30/2010 | 1137 | | | ion Volume: | 1 uL |
| Analyte | D | ryWt Corrected: N | Result (ug/Kg) | Qualifier | | RL |
| Naphthalene | | | NDUJ | | | 10 |
| Acenaphthene | | | ND ULT | | | 10 |
| Acenaphthylene | | | ND WJ | | | 10 |
| Fluorene | | | ND U.J. | | | 10 |
| Phenanthrene | | | NDUT | | | 10 |
| Anthracene | | | ND | | | 10 |
| Benzo[a]anthrace | ene | | ND | | | 10 |
| Chrysene | | | ND | | | 10 |
| Benzo(a)pyrene | | | ND | r | • | 10 |
| Benzo[b]fluoranth | | | ND | | | 10 |
| Benzo[k]fluoranth | | | ND | | | 10 |
| Benzo[g,h,i]peryle | | | ND | | | 10 |
| Indeno[1,2,3-cd]p | yrene | | ND | | | 10 |
| Fluoranthene | | | ND | | | 10 |
| Pyrene | | | ND | | | 10 |
| Dibenz(a,h)anthra | acene | | ND | | | 10 |
| Surrogate | | | %Rec | Qualifier | Acceptar | nce 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

Method:

Dilution:

Analyte

Naphthalene

2-Fluorobiphenyl

Terphenyl-d14

Preparation:

Date Analyzed:

Date Prepared:

Lab Sample ID: 720-30837-17 Client Matrix:

Solid

8270C SIM

3550B

1.0

Date Sampled: 09/28/2010 1528 Date Received: 09/28/2010 1800

33 - 120

35 - 146

8270C SIM Semivolatile Organic Compounds (GC/MS SIM) Analysis Batch: 720-79121 Instrument ID: HP#3 Prep Batch: 720-79044 Lab File ID: 100110029.D Initial Weight/Volume: 30.06 g 10/01/2010 2137 Final Weight/Volume: 1 mL 09/30/2010 1137 Injection Volume: 1 uL DryWt Corrected: N Result (ug/Kg) 5.1 **J** Qualifier 5.0

| Acenaphthene | NDUJ | | 5.0 |
|------------------------|-------|-----------|-------------------|
| Acenaphthylene | NDUT | | 5.0 |
| Fluorene | ND WJ | | 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 |
| | | | |

93

105

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-10-11.5

Lab Sample ID: 720-30837-1

Client Matrix:

Solid

Date Sampled: 09/28/2010 0730 Date Received: 09/28/2010 1800

| 8015B Di | esel Rang | e Organics (DRO) (G | C)-Silica | Gel Cleanup | |
|--------------------|--|---|---|--|------------|
| 8015B | | | | Instrument ID: | CHDRO6 |
| | Prep E | Batch: 720-79041 | | 0 | |
| | | | | Final Weight/Volume: | 2 mL |
| 10/01/2010 1653 | | | | Injection Volume: | 1 uL |
| 09/30/2010 1126 | | | | Result Type: | PRIMARY |
| DryWt Correcte | ed: N | Result (mg/Kg) | Qualifi | er | RL |
| anics [C10-C28] | *************************************** | ND | | | 1.0 |
| Organics [C24-C36] | | ND | | | 50 |
| | | %Rec | Qualifi | er Acceptar | nce Limits |
| | | 0 | | 0 - 5 | |
| | | 97 | | 46 - 115 | |
| | 8015B 3550B 1.0 1.0/01/2010 1653 09/30/2010 1126 DryWt Correct anics [C10-C28] Organics [C24-C36] | 8015B Analys 3550B Prep E 1.0 1.0/01/2010 1853 09/30/2010 1126 DryWt Corrected: N anics [C10-C28] Organics [C24-C36] | 8015B Analysis Batch: 720-79102 3550B Prep Batch: 720-79041 1.0 10/01/2010 1653 09/30/2010 1126 DryWt Corrected: N Result (mg/Kg) anics [C10-C28] ND Organics [C24-C36] ND %Rec 0 | 8015B Analysis Batch: 720-79102 3550B Prep Batch: 720-79041 1.0 10/01/2010 1653 09/30/2010 1126 DryWt Corrected: N Result (mg/Kg) Qualifications [C10-C28] ND Organics [C24-C36] ND Where Qualifications (C24-C36) ND Where Qualifications (C24-C36) ND | 3550B |

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-10

Method:

Preparation:

Lab Sample ID: 720-30837-5

Client Matrix: Water Date Sampled: 09/28/2010 0848

Instrument ID:

Result Type:

Date Received: 09/28/2010 1800

CHDRO6

RL

51

300

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

8015B 3510C SGC

Dilution: 1.0 10/07/2010 1151

Date Analyzed: Date Prepared:

10/06/2010 0810

Analyte Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C24-C36]

Surrogate Capric Acid (Surr) p-Terphenyl

ND

ND

0

97

%Rec

Analysis Batch: 720-79440 Prep Batch: 720-79363

Result (ug/L)

Qualifier

Qualifier

Initial Weight/Volume: 980 mL Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY

MDL 10 130

> Acceptance Limits 0 - 5 31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-10

Lab Sample ID: Client Matrix:

720-30837-5 Water

Date Sampled: 09/28/2010 0848

Date Received: 09/28/2010 1800

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

Preparation:

8015B 3510C SGC

10/04/2010 1019

10/01/2010 1004

1.0

Motor Oil Range Organics [C24-C36]

Analysis Batch: 720-79205

Prep Batch: 720-79118

Instrument ID: CHDRO5 Initial Weight/Volume: 930 mL Final Weight/Volume: 2 mL Injection Volume: 1 uL

0 - 5

31 - 150

Result Type:

PRIMARY

Date Prepared: Analyte Diesel Range Organics [C10-C28]

Surrogate

p-Terphenyl

Capric Acid (Surr)

Date Analyzed:

Method:

Dilution:

Result (ug/L) 18 < 53 ND

Qualifier MDL JB 11

RL 53 140 320

Acceptance Limits

%Rec Qualifier 0.5 95

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06-3.0

Method:

Dilution:

Preparation:

720-30837-6 Lab Sample ID: Client Matrix: Solid

Date Sampled: 09/28/2010 1005 Date Received: 09/28/2010 1800

PRIMARY

0.99

50

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

8015B Analysis Batch: 720-79102 3550B Prep Batch: 720-79041

Instrument ID: CHDRO6 Initial Weight/Volume: 30.26 g Final Weight/Volume: 2 mL Injection Volume: 1 uL

1.0 Date Analyzed: 10/01/2010 1715 Date Prepared: 09/30/2010 1126

Result Type:

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

Surrogate %Rec Qualifier Acceptance Limits Capric Acid (Surr) 0 0 - 5

ND

p-Terphenyl 100 46 - 115 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06-11.0

Lab Sample ID: 720-30837-7

Client Matrix:

Method:

Dilution:

Preparation:

Solid

Date Sampled: 09/28/2010 1025 Date Received: 09/28/2010 1800

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

8015B 3550B

Analysis Batch: 720-79102 Prep Batch: 720-79041

Instrument ID: CHDRO6 Initial Weight/Volume: 30.07 g Final Weight/Volume: 2 mL

Injection Volume: 1 uL PRIMARY

1.0 Date Analyzed: 10/01/2010 1821 Date Prepared: 09/30/2010 1126

Result Type:

DrvWt Corrected: N Analyte 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 46 - 115 92

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID:

Client Matrix:

720-30837-8

Water

Date Sampled: 09/28/2010 1105

Date Received: 09/28/2010 1800

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

Method: 8015B Analysis Batch: 720-79440 3510C SGC Prep Batch: 720-79386 Preparation: Dilution: 1.0 10/07/2010 1030 Date Analyzed: Date Prepared: 10/06/2010 1311

CHDRO6 Instrument ID: Initial Weight/Volume: 970 ml. Final Weight/Volume: 2 mL Injection Volume: Result Type: PRIMARY

Analyte Result (ug/L) Qualifier MDL RL Diesel Range Organics [C10-C28] 51 ND 10 Motor Oil Range Organics [C24-C36] ND 130 310

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

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-06

Lab Sample ID: Client Matrix:

720-30837-8 Water

10/04/2010 1216

Date Sampled: 09/28/2010 1105

JΒ

Qualifier

Date Received: 09/28/2010 1800

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

Method: 8015B Preparation: 3510C SGC Dilution: 1.0

Date Analyzed:

Analyte

Analysis Batch: 720-79205 Prep Batch: 720-79118

CHDRO5 Instrument ID: Initial Weight/Volume: 930 mL Final Weight/Volume: 2 mL

Injection Volume: Result Type: PRIMARY

Date Prepared: 10/01/2010 1258 Diesel Range Organics (C10-C28)

Motor Oil Range Organics [C24-C36]

Result (ug/L) 25 < 5 3 ND

Qualifier MDL 11 140

RL 53 320

Surrogate Capric Acid (Surr) p-Terphenyl

%Rec 0.2 94

Acceptance Limits 0 - 5

31 - 150

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID:

Method:

Dilution:

Preparation:

Date Analyzed:

Date Prepared:

SB-12-12

Lab Sample ID: Client Matrix: Solid

720-30837-9

10/01/2010 1842

09/30/2010 1126

Date Sampled: 09/28/2010 1155 Date Received: 09/28/2010 1800

CHDRO6

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

8015B 3550B

1.0

Analysis Batch: 720-79102 Prep Batch: 720-79041

Instrument ID: Initial Weight/Volume: 30.46 g Injection Volume:

Final Weight/Volume: 2 mL 1 UL Result Type: PRIMARY

Analyte DryWt Corrected: N Diesel Range Organics (C10-C28) Motor Oil Range Organics [C24-C36]

Result (mg/Kg) ND ND

Qualifier

0.98 49

Surrogate Capric Acid (Surr) p-Terphenyl

%Rec 99

Acceptance Limits Qualifier 0 - 5 46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05-11.5

Method:

Dilution:

Preparation:

Date Analyzed:

Date Prepared:

Capric Acid (Surr)

p-Terphenyl

Lab Sample ID:

Client Matrix: Solid

720-30837-10

Date Sampled: 09/28/2010 1205 Date Received: 09/28/2010 1800

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

8015B 3550B 1.0

Analysis Batch: 720-79102 Prep Batch: 720-79041

Instrument ID:

CHDRO6 Initial Weight/Volume: 30.15 g Final Weight/Volume: 2 mL

Injection Volume: Result Type:

Qualifier

1 uL PRIMARY

09/30/2010 1126 Analyte DrvWt Corrected: N Diesel Range Organics [C10-C28]

10/01/2010 1904

Result (mg/Kg) ND ND

Qualifier 1.0 50

Motor Oil Range Organics [C24-C36] Surrogate

%Rec 0 104

Acceptance Limits 0-5 46 - 115

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-12

Client Matrix:

Method:

Dilution:

Analyte

p-Terphenyl

Lab Sample ID:

720-30837-11

Date Sampled: 09/28/2010 1340 Water

Date Received: 09/28/2010 1800

CHDRO6

1 uL

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

8015B Preparation:

3510C SGC

1.0 10/07/2010 1052

Date Analyzed: 10/06/2010 1311 Date Prepared:

Analysis Batch: 720-79440 Prep Batch: 720-79386

Result (ug/L)

Instrument ID: Initial Weight/Volume: 970 mL Final Weight/Volume: 2 mL Injection Volume: Result Type:

PRIMARY MDL RL 10 51 310 130

Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36] Surrogate Capric Acid (Surr)

ND %Rec 105

Qualifier

Qualifier

Acceptance Limits 0 - 5 31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-12

Lab Sample ID:

Client Matrix:

720-30837-11 Water

Date Sampled: 09/28/2010 1340 Date Received: 09/28/2010 1800

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

Method: Preparation: Dilution:

8015B 3510C SGC 1.0 Date Analyzed:

10/04/2010 1042 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] 18 < 52 52 JΒ 11 Motor Oil Range Organics [C24-C36] 130 310 ND

Surrogate Qualifier %Rec Acceptance Limits Capric Acid (Surr) 0.3 0 - 5 p-Terphenyl 96 31 - 150

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-09-4.9

Date Prepared:

Surrogate

p-Terphenyl

Capric Acid (Surr)

Lab Sample ID: 720-30837-13 Client Matrix:

Solid

09/30/2010 1126

Date Sampled: 09/28/2010 1405 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 1926 Analysis Batch: 720-79102 Prep Batch: 720-79041

CHDRO6 Initial Weight/Volume: 30.23 g

PRIMARY

RL

0.99

50

1 uL

Final Weight/Volume: 2 mL Injection Volume: Result Type:

Instrument ID:

Analyte DrvWt Corrected: N Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

Result (mg/Kg) 1.4 ND

Qualifier

Qualifier

%Rec Acceptance Limits 0-5 111 46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-05

Lab Sample ID:

720-30837-14

10/07/2010 1113

10/06/2010 1311

Date Sampled: 09/28/2010 1420 Date Received: 09/28/2010 1800

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

Method: Preparation: Dilution: Date Analyzed:

Date Prepared:

Client Matrix:

8015B 3510C SGC 1.0

Analysis Batch: 720-79440 Prep Batch: 720-79386

Instrument ID:

CHDRO6 Initial Weight/Volume: 980 mL Final Weight/Volume: 2 mL

Injection Volume: PRIMARY

Result Type:

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:

Analyte

720-30837-14

Client Matrix: Water Date Sampled: 09/28/2010 1420 Date Received: 09/28/2010 1800

CHDRO5

1 uL

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

Method: 8015B Preparation: 3510C SGC Dilution:

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C24-C36]

1.0

Date Analyzed: 10/04/2010 1106 Date Prepared: 10/01/2010 1004

Analysis Batch: 720-79205 Prep Batch: 720-79118

Instrument ID: Initial Weight/Volume: 960 mL Final Weight/Volume: 2 mL Injection Volume: Result Type:

Qualifier

Qualifier

JB

PRIMARY MDL RL 11 52 130 310

Surrogate Capric Acid (Surr) p-Terphenyl

%Rec 0.1 91

16452

Acceptance Limits 0 - 5 31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Date Sampled: 09/28/2010 1130

Date Received: 09/28/2010 1800

1.0

50

Client Sample ID: SB-05-0.7

Lab Sample ID:

Client Matrix:

Method:

Dilution:

Analyte

Preparation:

Date Analyzed:

Date Prepared:

720-30837-15 Solid

10/01/2010 1503

8015B

3550B

1.0

Motor Oil Range Organics [C24-C36]

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

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

09/30/2010 1126 Result Type: PRIMARY DryWt Corrected: N Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28]

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

20

58

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Client Sample ID: SB-09-11.8

Lab Sample ID: 720-30837-17 Client Matrix:

Date Prepared:

Solid

10/04/2010 1427

Date Sampled: 09/28/2010 1528 Date Received: 09/28/2010 1800

RL

1.0

50

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

Method: 8015B Analysis Batch: 720-79277 Preparation: 3550B Prep Batch: 720-79235 Dilution: 1.0 Date Analyzed: 10/05/2010 1851

Instrument ID: CHDRO6 Initial Weight/Volume: 30.02 g Final Weight/Volume: 2 mL Injection Volume: Result Type: PRIMARY

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

Surrogate %Rec Qualifier Acceptance Limits Capric Acid (Surr) p-Terphenyl Ö 0 - 5 46 - 115 96

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

General Chemistry

Client Sample ID: SB-06

Lab Sample ID: Client Matrix:

720-30837-8 Water

Date Sampled: 09/28/2010 1105 Date Received: 09/28/2010 1800

Analyte Cr (VI)

Result 0.94

Qual Units ug/L

RL Dil Method 1.0 7199 0.50

Analysis Batch: 720-79232 Date Analyzed: 09/28/2010 2130

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

General Chemistry

Client Sample ID: SB-05

Analyte

Cr (VI)

Lab Sample ID: 720-30837-14 Client Matrix:

Water

Date Sampled: 09/28/2010 1420 Date Received: 09/28/2010 1800

1.1

Result

Qual Units ug/L

RL 0.50 Dil Method 1.0 7199

Analysis Batch: 720-79232 Date Analyzed: 09/28/2010 2140

DATA REPORTING QUALIFIERS

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

| 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 | | |
| | В | 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

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:720-789 | | | | | |
| LCS 720-79069/4-A | Lab Control Sample | T | Solid | 8260B/CA_LUFT | 720-79069 |
| LCSD 720-79069/5-A | Lab Control Sample Duplicate | Т | 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 | Т | Solid | 5035 | |
| 720-30837-21 | SB-03-3.2 | T | Solid | 5035 | |
| 720-30837-22 | SB-03-11.5 | T | Solid | 5035 | |
| Analysis Batch:720-79 | 105 | | | | |
| 720-30837-21 | \$B-03-3.2 | Т | Solid | 8260B/CA LUFT | 720-79069 |
| 720-30837-22 | SB-03-11.5 | Т | Solid | 8260B/CA_LUFT | 720-79069 |
| Analysis Batch:720-792 | 265 | | | | |
| 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 | Ŧ | 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 | т | Solid | 8260B/CA_LUFT | 720-79297 |
| 720-30837-20 | SB-03-2.8 | τ | Solid | 8260B/CA_LUFT | 720-79297 |
| 720-30837-23 | SB-03-6.5 | т | Solid | 8260B/CA_LUFT | 720-79297 |
| Prep Batch: 720-79297 | | | | | |
| LCS 720-79297/2-A | Lab Control Sample | т | Solid | 5035 | |
| LCS 720-79297/4-A | Lab Control Sample | Т | Solid | 5035 | |
| LCSD 720-79297/3-A | Lab Control Sample Duplicate | Ŧ | Solid | 5035 | |
| LCSD 720-79297/5-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| MB 720-79297/1-A | Method Blank | T | Solid | 5035 | |
| 720-30837-20 | SB-03-2.8 | Ŧ | Solid | 5035 | |
| 720-30837-23 | SB-03-6.5 | Т | 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 | | | Ollotte Matrix | meared | Trop Buton |
| Prep Batch: 720-79044 | | | | | |
| CS 720-79044/2-A | Lab Control Sample | Т | Solid | 3550B | |
| LCSD 720-79044/3-A | Lab Control Sample Duplicate | ÷ | Solid | 3550B | |
| MB 720-79044/1-A | Method Blank | Ť | Solid | 3550B | |
| 720-30837-1 | SB-10-11.5 | Ť | Solid | 3550B | |
| 720-30837-6 | SB-06-3.0 | Ť | Solid | 3550B | |
| 720-30837-7 | SB-06-11.0 | Ť | Solid | 3550B | |
| 720-30837-9 | SB-12-12 | Ť | Solid | 3550B | |
| 720-30837-10 | SB-05-11.5 | Ť | Solid | 3550B | |
| 720-30837-13 | SB-09-4.9 | Ť | Solid | 3550B | |
| 720-30837-15 | SB-05-0.7 | Ť | Solid | 3550B | |
| 720-30837-17 | SB-09-11.8 | Ť | Solid | 3550B | |
| 720-30865-A-3-B MS | Matrix Spike | Ť | Solid | 3550B | |
| 720-30865-A-3-C MSD | Matrix Spike Duplicate | Ť | Solid | 3550B | |
| Analysis Batch:720-79 | 121 | | | | |
| LCS 720-79044/2-A | Lab Control Sample | Т | Solid | 8270C SIM | 720-79044 |
| LCSD 720-79044/3-A | Lab Control Sample Duplicate | т | Solid | 8270C SIM | 720-79044 |
| MB 720-79044/1-A | Method Blank | Ť | 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 | Ť | Solid | 8270C SIM | 720-79044 |
| 720-30837-7 | SB-06-11.0 | Ť | Solid | 8270C SIM | 720-79044 |
| 720-30837-9 | SB-12-12 | Т | Solid | 8270C SIM | 720-79044 |
| 720-30837-10 | SB-05-11.5 | Ť | Solid | 8270C SIM | 720-79044 |
| 720-30837-13 | SB-09-4.9 | Ť | Solid | 8270C SIM | 720-79044 |
| 720-30837-15 | SB-05-0.7 | Ť | Solid | 8270C SIM | 720-79044 |
| 720-30837-17 | SB-09-11.8 | Ť | 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 | Ť | Solid | 8270C SIM | 720-79044 |
| Prep Batch: 720-79141 | | | | | |
| LCS 720-79141/2-A | Lab Control Sample | Т | Water | 3510C | |
| CSD 720-79141/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| MB 720-79141/1-A | Method Blank | т | Water | 3510C | |
| 720-30837-5 | SB-10 | T | Water | 3510C | |
| 720-30837-8 | SB-06 | Т | Water | 3510C | |
| 20-30837-11 | SB-12 | Т | Water | 3510C | |
| 20-30837-14 | SB-05 | Ť | Water | 3510C | |
| '20-30865-B-4-A MS | Matrix Spike | Т | Water | 3510C | |
| 720-30865-B-4-B MSD | Matrix Spike Duplicate | Ť | Water | 3510C | |

TestAmerica San Francisco

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 Semi VOA | | | | | |
| Analysis Batch:720-79 | 226 | | | | |
| LCS 720-79141/2-A | Lab Control Sample | т | 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 | Т | Water | 8270C SIM | 720-79141 |
| 720-30837-5 | SB-10 | Т | Water | 8270C SIM | 720-79141 |
| 720-30837-8 | SB-06 | Т | Water | 8270C SIM | 720-79141 |
| 720-30837-11 | SB-12 | Т | Water | 8270C SIM | 720-79141 |
| 720-30837-14 | SB-05 | Т | Water | 8270C SIM | 720-79141 |
| 720-30865-B-4-A MS | Matrix Spike | Т | Water " | 8270C SIM | 720-79141 |
| 720-30865-B-4-B MSD | Matrix Spike Duplicate | Т | 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 | Α | Solid | 3550B | |
| LCSD 720-79041/3-A | Lab Control Sample Duplicate | Α | Solid | 3550B | |
| MB 720-79041/1-A | Method Blank | Α | Solid | 3550B | |
| 720-30837-1 | SB-10-11.5 | Α | Solid | 3550B | |
| 720-30837-6 | SB-06-3.0 | Α | Solid | 3550B | |
| 720-30837-6MS | Matrix Spike | Α | Solid | 3550B | |
| 720-30837-6MSD | Matrix Spike Duplicate | Α | Solid | 3550B | |
| 720-30837-7 | SB-06-11.0 | Α | Solid | 3550B | |
| 720-30837-9 | SB-12-12 | Α | Solid | 3550B | |
| 720-30837-10 | SB-05-11.5 | Α | Solid | 3550B | |
| 720-30837-13 | SB-09-4.9 | Α | Solid | 3550B | |
| 720-30837-15 | SB-05-0.7 | Α | Solid | 3550B | |
| Analysis Batch:720-791 | 101 | | | | |
| LCS 720-79041/2-A | Lab Control Sample | Α | Solid | 8015B | 720-79041 |
| LCSD 720-79041/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79041 |
| MB 720-79041/1-A | Method Blank | Α | Solid | 8015B | 720-79041 |
| Analysis Batch:720-791 | 102 | | | | |
| 720-30837-1 | SB-10-11.5 | Α | Solid | 8015B | 720-79041 |
| 720-30837-6 | SB-06-3.0 | Α | Solid | 8015B | 720-79041 |
| 720-30837-6MS | Matrix Spike | Α | Solid | 8015B | 720-79041 |
| 720-30837-6MSD | Matrix Spike Duplicate | Α | Solid | 8015B | 720-79041 |
| 720-30837-7 | SB-06-11.0 | Α | Solid | 8015B | 720-79041 |
| 720-30837-9 | SB-12-12 | Α | Solid | 8015B | 720-79041 |
| 720-30837-10 | SB-05-11.5 | Α | Solid | 8015B | 720-79041 |
| 720-30837-13 | SB-09-4.9 | Α | Solid | 8015B | 720-79041 |
| 720-30837-15 | SB-05-0.7 | Α | 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 | |

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Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | t Client Matrix | Method | Prep Batch |
|----------------------|------------------------------|-----------------|--------------------|-----------|------------|
| GC Semi VOA | | | | | |
| Analysis Batch:720-7 | 9205 | | | | |
| 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 | Ď | Water | 8015B | 720-79118 |
| 720-30837-5 | SB-10 | Ď | Water | 8015B | 720-79118 |
| 720-30837-8 | SB-06 | Ď | Water | 8015B | 720-79118 |
| 720-30837-11 | SB-12 | Ď | Water | 8015B | 720-79118 |
| 720-30837-14 | SB-05 | Ď | Water | 8015B | 720-79118 |
| Analysis Batch:720-7 | 9206 | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 8015B | 720-79235 |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79235 |
| MB 720-79235/1-A | Method Blank | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-7923 | 35 | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 3550B | |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 3550B | |
| MB 720-79235/1-A | Method Blank | Α | Solid | 3550B | |
| 720-30837-17 | SB-09-11.8 | Α | Solid | 3550B | |
| 720-30865-A-3-D MS | Matrix Spike | Α | Solid | 3550B | |
| 720-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 3550B | |
| Analysis Batch:720-7 | | | | | |
| 720-30865-A-3-D MS | Matrix Spike | Α | Solid | 8015B | 720-79235 |
| 720-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 8015B | 720-79235 |
| Analysis Batch:720-7 | | | | | |
| 720-30837-17 | SB-09-11.8 | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-7936 | | | | | |
| 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 | Α | Water | 3510C SGC | |
| 720-30837-5 | SB-10 | Α | Water | 3510C SGC | |
| Prep Batch: 720-7938 | | | | | |
| LCS 720-79386/2-A | Lab Control Sample | A | Water | 3510C SGC | |
| LCSD 720-79386/3-A | Lab Control Sample Duplicate | Α | Water | 3510C SGC | |
| MB 720-79386/1-A | Method Blank | A | Water | 3510C SGC | |
| 720-30837-8 | SB-06 | Α | Water | 3510C SGC | |
| 720-30837-11 | SB-12 | Α | Water | 3510C SGC | |
| 720-30837-14 | \$B-05 | Α | Water | 3510C SGC | |

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

QC Association Summary

| | | Report | | | |
|---|---------------------------------|--------|----------------|--------------|------------|
| Lab Sample ID | Client Sample ID | Basis | Client Matrix | Method | Prep Batch |
| GC Semi VOA | | | | | |
| Analysis Batch:720-79 | 9440 | | | | |
| 720-30837-5 | SB-10 | Α | Water | 8015B | 720-79363 |
| 720-30837-8 | SB-06 | Α | Water | 8015B | 720-79386 |
| 720-30837-11 | SB-12 | Α | Water | 8015B | 720-79386 |
| 20-30837-14 | SB-05 | Α | Water | 8015B | 720-79386 |
| Analysis Batch:720-79 | 9456 | | | | |
| .CS 720-79363/2-A | Lab Control Sample | Α | Water | 8015B | 720-79363 |
| .CSD 720-79363/3-A | Lab Control Sample Duplicate | Α | Water | 8015B | 720-79363 |
| иВ 720-79363/1-A | Method Blank | Α | Water | 8015B | 720-79363 |
| .CS 720-79386/2-A | Lab Control Sample | Α | Water | 8015B | 720-79386 |
| .CSD 720-79386/3-A | Lab Control Sample Duplicate | Α | Water | 8015B | 720-79386 |
| /IB 720-79386/1-A | Method Blank | Α | Water | 8015B | 720-79386 |
| Report Basis D = Dissolved A = Silica Gel Cleanup | | | | | |
| General Chemistry | | | | | |
| Analysis Batch:720-79 | 1222 | | | | |
| CS 720-79232/3 | Lab Control Sample | т | Water | 7199 | |
| CSD 720-79232/4 | Lab Control Sample Duplicate | ÷ | Water | 7199 | |
| MB 720-79232/2 | Method Blank | Ť | Water | 7199 | |
| 720-30814-A-3 MS | Matrix Spike | ÷ | Water | 7199 | |
| | | | | | |
| | Matrix Spike Dunticate | т | \Mater | 7100 | |
| 720-30814-A-3 MSD 720-30837-8 | Matrix Spike Duplicate SB-06 | T T | Water Water | 7199 7199 | |

Report Basis T = Total

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Quality Control Results

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

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 |

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Job Number: 720-30837-1

Surrogate Recovery Report

Client: AMEC Geomatrix Inc.

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

Client Matrix: Solid

| | | FBP | TPI |
|------------------------|------------------|------|-----|
| Lab Sample ID | Client Sample ID | %Rec | %Re |
| 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 |

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Quality Control Results

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

Surrogate Recovery Report

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

Client Matrix: Water

| | | FBP | TPH |
|------------------------|------------------|------|------|
| Lab Sample ID | Client Sample ID | %Rec | %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-/ | 4 | 60 | 96 |
| 720-30865-B-4-A MS | 3 | 63 | 87 |
| 720-30865-B-4-B MSD | | 63 | 80 |

| Surrogate | Acceptance Limits |
|------------------------|-------------------|
| FBP = 2-Fluorobiphenyl | 29-120 |
| TPH = Terphenyl-d14 | 45-120 |

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Job Number: 720-30837-1

Surrogate Recovery Report

Client: AMEC Geomatrix Inc.

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Solid Silica Gel Cleanup

| | NDA1 | TPH1 |
|------------------|---|--|
| Client Sample ID | %Rec | %Rec |
| SB-10-11.5 | 0 | 97 |
| SB-06-3.0 | 0 | 100 |
| SB-06-11.0 | 0 | 92 |
| SB-12-12 | 0 | 99 |
| SB-05-11.5 | 0 | 104 |
| SB-09-4.9 | 0 | 111 |
| SB-05-0.7 | 0 | 85 |
| SB-09-11.8 | 0 | 96 |
| | 0 | 86 |
| | 0.2 | 93 |
| | SB-10-11.5 SB-06-3.0 SB-06-11.0 SB-12-12 SB-05-11.5 SB-09-4.9 SB-05-0.7 | Client Sample ID %Rec SB-10-11.5 0 SB-06-3.0 0 SB-06-11.0 0 SB-12-12 0 SB-05-11.5 0 SB-09-4.9 0 SB-05-0.7 0 SB-09-11.8 0 |

4

| Surrogate | Acceptance Limits |
|--------------------------|-------------------|
| NDA = Capric Acid (Surr) | 0-5 |
| TPH = p-Terphenyl | 46-115 |

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Quality Control Results

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc. 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 M | S , | 93 |
| 720-30837-6 MSD | SB-06-3.0 MSD | 97 |
| 720-30865-А-3-Е MSD | | 93 |

 Surrogate
 Acceptance Limits

 TPH = p-Terphenyl
 46-115

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Job Number: 720-30837-1

Surrogate Recovery Report

Client: AMEC Geomatrix Inc.

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 |

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Quality Control Results

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Dissolved

| | | TPH1 |
|------------------|------------------|------|
| Lab Sample ID | Client Sample ID | %Rec |
| LCS 720-79115/2- | С | 91 |
| LCSD 720-79115/3 | 3-C | 88 |

 Surrogate
 Acceptance Limits

 TPH = p-Terphenyl
 31-150

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Job Number: 720-30837-1

Surrogate Recovery Report

Client: AMEC Geomatrix Inc.

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water Silica Gel Cleanup

| Lab Sample ID | Client Sample ID | %Rec | %Red |
|------------------|------------------|------|------|
| 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 | ١ | 0.2 | 99 |
| | | | |

| Surrogate | Acceptance Limits |
|--------------------------|-------------------|
| NDA = Capric Acid (Surr) | 0-5 |
| TPH = p-Terphenyl | 31-150 |

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Quality Control Results

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

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

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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 Client Matrix: Solid

100

09/29/2010 1521

Dilution:

Date Analyzed:

Analysis Batch: 720-78924 Prep Batch: 720-79069

Units: ug/Kg

Lab File ID: 09291015.D Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

Instrument ID: HP12

Date Prepared: 09/29/2010 1400

LCSD Lab Sample ID: LCSD 720-79069/5-A Client Matrix: Solid Dilution: 100

Date Analyzed: 09/29/2010 1551 Analysis Batch: 720-78924 Prep Batch: 720-79069 Units: ug/Kg

Instrument ID: HP12 Lab File ID: 09291016.D Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

Date Prepared: 09/29/2010 1400

| <u>% Rec.</u> | | | | | | |
|---------------|----------|--------------------------------|--|---|--|--|
| LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| 80 | 80 | 70 - 130 | 0 | 20 | | |
| LCS % Rec | | LCSD % Rec | | Acceptance Limits | | |
| 1 | 00 | 101 | | | | |
| 8 | 9 | 91 | | 6 | 2 - 137 | |
| 9 | 6 | 96 | | 6 | 5 - 141 | |
| | ECS 80 L | LCS LCSD 80 80 LCS % Rec | LCS LCSD Limit 80 80 70 - 130 LCS % Rec LCSD % 100 101 89 91 | LCS LCSD Limit RPD 80 80 70 - 130 0 LCS Rec LCSD % Rec 100 101 101 89 91 91 | 80 80 70 - 130 0 20 LCS % Rec LCSD % Rec Accept 100 101 6 89 91 6 | LCS LCSD Limit RPD RPD Limit LCS Qual 80 80 70 - 130 0 20 LCS % Rec LCSD % Rec Acceptance Limits 100 101 66 - 148 89 91 62 - 137 |

Quality Control Results

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

Date Prepared: 10/04/2010 1700

Dilution:

Date Analyzed: 10/05/2010 0206

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 Methyl tert-butyl ether 500 ND Acetone ND 5000 Benzene ND 500 Dichlorobromomethane ND 500 Bromobenzene ND 500 Chlorobromomethane ND 2000 ND Bromoform 500 Bromomethane ND 1000 2-Butanone (MEK) ND 5000 n-Butvlbenzene ND 500 ND sec-Butylbenzene 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 ND ND 2-Chlorotoluene 500 4-Chlorotoluene 500 Chlorodibromomethane ND 500 1,2-Dichlorobenzene ND 500 ND 500 1.3-Dichlorobenzene ND 1,4-Dichlorobenzene 500 1,3-Dichloropropane ND 500 1,1-Dichloropropene ND 500 1,2-Dibromo-3-Chloropropane ND 5000 ND Ethylene Dibromide 500 ND Dibromomethane 1000 Dichlorodifluoromethane ND 1000 1,1-Dichloroethane ND 500 1.2-Dichloroethane ND 500 ND 1.1-Dichloroethene 500 cis-1,2-Dichloroethene ND 500 trans-1,2-Dichloroethene ND 500 1,2-Dichloropropane ND 500 ND 500 cis-1,3-Dichloropropene ND trans-1,3-Dichloropropene 500 Ethylbenzene ND 500 Hexachlorobutadiene ND 500 2-Hexanone ND 5000 ND Isopropylbenzene 500 4-Isopropyltoluene ND 500

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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

1,2-Dichloroethane-d4 (Surr)

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Toluene-d8 (Surr)

Analysis Batch: 720-79265 Prep Batch: 720-79297

Units: ug/Kg

Instrument ID: HP5 Lab File ID: 100410032.D

Date Analyzed: 10/05/2010 0206 Date Prepared: 10/04/2010 1700 Initial Weight/Volume: 5 g Final Weight/Volume: 10 mL

| Analyte | Result | Qual | RL |
|---------------------------------------|--------|--------|-------------|
| Methylene Chloride | ND | | 1000 |
| 4-Methyl-2-pentanone (MIBK) | NĎ | | 5000 |
| Naphthalene | ND | | 1000 |
| N-Propylbenzene | ND | | 500 |
| Styrene | ND | | 500 |
| 1,1,1,2-Tetrachioroethane | 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 | Accept | ance Limits |
| 4-Bromofluorobenzene | 97 | 66 | - 148 |

62 - 137

65 - 141

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Quality Control Results Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

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 Solid

Client Matrix: Dilution: Date Prepared:

100 Date Analyzed: 10/04/2010 2355

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

Lab File ID: 100410029.D

Initial Weight/Volume: 5 g

Final Weight/Volume: 10 mL

Instrument ID: HP5

| | 2 | Rec. | | | | |
|-----------------------------|-----|------|----------|-----|----|-----------|
| Analyte | LCS | LCSD | Limit | RPD | | 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 | |

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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 100 10/04/2010 2355 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

Date Analyzed: Date Prepared: 10/04/2010 1700

Dilution:

LCSD Lab Sample ID: LCSD 720-79297/3-A Client Matrix: Solid Dilution: 100

Date Analyzed: Date Prepared:

10/05/2010 0028 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

| | 9 | 6 Rec. | | | | | |
|---------------------------------------|-----|--------|----------|-----|-----------|----------|-----------|
| Analyte | LCS | 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-Trichtoropropane | 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 | Ö | 20 | | |
| o-Xylene | 107 | 106 | 71 - 142 | 1 | 20 | | |

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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

Instrument ID: HP5

LCS Lab Sample ID: LCS 720-79297/2-A

Client Matrix: Solid Dilution:

100

Date Analyzed: 10/04/2010 2355 10/04/2010 1700 Date Prepared:

Analysis Batch: 720-79265 Prep Batch: 720-79297

Units: ug/Kg

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: Dilution:

Solid 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

% Rec. Analyte LCS LCSD Limit RPD Limit LCS Qual LCSD Qual 2,2-Dichloropropane 100 104 67 - 146 4 20 LCS % Rec Surrogate LCSD % Rec Acceptance Limits 4-Bromofluorobenzene 66 - 148 102 100 1,2-Dichloroethane-d4 (Surr) 62 - 137 100 98 Toluene-d8 (Surr) 101 99 65 - 141

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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 Client Matrix: Solid Dilution: 100 Analysis Batch: 720-79265 Prep Batch: 720-79297 Units: ug/Kg

Date Analyzed: 10/05/2010 0101
Date Prepared: 10/04/2010 1700

 LCSD Lab Sample ID:LCSD 720-79297/5-A

 Client Matrix:
 Solid

 Ditution:
 100

 Date Analyzed:
 10/05/2010 0133

 Date Prepared:
 10/04/2010 1700

Analysis Batch: 720-79265 Prep Batch: 720-79297 Units: ug/Kg Instrument ID: HP5
Lab File ID: 100410031.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

| <u>% Rec.</u> | | | | | | | |
|--------------------------------------|----------------|------|------------|-----|-------------------|----------|-----------|
| Analyte | 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 - 13 | | 2 - 137 | | | | |
| Toluene-d8 (Surr) | 1 | 00 | 00 | | c | E 111 | |

Quality Control Results

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 Client Matrix: Solid Dilution: 1.0 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

Date Analyzed: 10/01/2010 1725 Date Prepared: 09/30/2010 1137

| 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 | |

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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

Instrument ID: HP # 3

Instrument ID: HP # 3

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

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:

Date Prepared:

2-Fluorobiphenyl

Terphenyl-d14

10/01/2010 1702 09/30/2010 1137 Analysis Batch: 720-79121 Prep Batch: 720-79044

Units: ug/Kg

Lab File ID: 100110017.D Initial Weight/Volume: 30.06 q Final Weight/Volume: 1 mL Injection Volume: 1 uL

33 - 120

35 - 146

% Rec. Analyte LCS LCSD Limit RPD RPD Limit LCS Qual LCSD Qual Naphthalene 85 46 - 120 Acenaphthene 80 86 49 - 120 20 Acenaphthylene 89 88 52 - 120 20 Fluorene 112 110 52 - 120 20 Phenanthrene 48 - 120 20 Anthracene 95 94 52 - 120 20 Benzo[a]anthracene 86 83 52 - 120 20 Chrysene 101 100 54 - 120 20 Benzo[a]pyrene 99 54 - 120 20 Benzo[b]fluoranthene 89 51 - 120 20 Benzo[k]fluoranthene 110 104 56 - 120 20 Benzo[g,h,i]perylene 92 93 48 - 120 20 Indeno[1,2,3-cd]pyrene 98 48 - 120 20 Fluoranthene 105 103 57 - 120 20 93 Pyrene 91 53 - 120 20 Dibenz(a,h)anthracene 50 - 120 Surrogate LCS % Rec LCSD % Rec Acceptance Limits

101

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Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Matrix Spike/

Dilution:

Date Prepared:

Client Matrix:

Matrix Spike Duplicate Recovery Report - Batch: 720-79044

Analysis Batch: 720-79121 Prep Batch: 720-79044

Prep Batch: 720-79044

MS Lab Sample ID: 720-30865-A-3-B MS Client Matrix: Solid 1.0 Date Analyzed:

10/01/2010 2051 09/30/2010 1137

MSD Lab Sample ID: 720-30865-A-3-C MSD Analysis Batch: 720-79121 Solid

Dilution: 1.0 Date Analyzed: 10/01/2010 2114 09/30/2010 1137 Date Prepared:

Method: 8270C SIM Preparation: 3550B

Instrument ID: HP # 3 Lab File ID: 100110027.D Initial Weight/Volume: 30.06 g Final Weight/Volume: 1 mL Injection Volume: 1 uL

Instrument ID: HP # 3 Lab File ID: 100110028.D Initial Weight/Volume: 30.09 g Final Weight/Volume: 1 mL Injection Volume: 1 uL

| | <u>%</u> | Rec. | | | | | |
|------------------------|----------|----------|----------------------------|-----|-----------|---------|---------|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qua |
| 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 Limit | | its | | |
| 2-Fluorobiphenyl | | 56 | 81 | | 3 | 3 - 120 | |
| Terphenyl-d14 | | 85 | 97 | | 3 | 5 - 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: 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 | Acceptanc | e Limits |
| 2-Fluorobiphenyl | 75 | 29 - 1: | 20 |
| Terphenyl-d14 | 101 | 45 - 1: | 20 |

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 720-79141

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

Client Matrix:

Date Analyzed:

Date Prepared:

Terphenyl-d14

Dilution:

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

Date Prepared: 10/01/2010 1436 LCSD Lab Sample ID: LCSD 720-79141/3-A

Water

10/04/2010 1344

10/01/2010 1436

Analysis Batch: 720-79226 Prep Batch: 720-79141

Analysis Batch: 720-79226

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

45 - 120

% Rec. Analyte LCS LCSD Limit RPD RPD Limit LCS Qual LCSD Qual Naphthalene 70 57 33 - 120 Acenaphthene 75 37 - 120 35 59 25 Acenaphthylene 72 56 36 - 120 25 35 71 Fluorene 91 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 35 Chrysene 105 52 - 120 35 Benzo[a]pyrene 103 101 50 - 120 35 Benzo[b]fluoranthene 107 110 48 - 120 35 Benzo[k]fluoranthene 101 50 - 120 Benzo[g,h,i]perylene 92 90 49 - 120 35 Indeno[1,2,3-cd]pyrene 96 48 - 120 94 2 35 Fluoranthene 95 46 - 120 35 Pyrene 95 87 50 - 120 9 35 Dibenz(a,h)anthracene 48 - 101 2 95 93 35 Surrogate LCS % Rec LCSD % Rec Acceptance Limits 2-Fluorobiphenyl 60 29 - 120

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

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 Client Matrix: Water

Prep Batch: 720-79141

Instrument ID: SVOA HP 4 Lab File ID: 10041008.D Initial Weight/Volume: 970 mL

Dilution: 10/04/2010 1431 Date Analyzed: Date Prepared: 10/01/2010 1436

Final Weight/Volume: 1 mL Injection Volume: 1 uL

Client Matrix: Dilution:

MSD Lab Sample ID: 720-30865-B-4-B MSD Analysis Batch: 720-79226 Water Prep Batch: 720-79141 1.0

Instrument ID: SVOA HP 4 Lab File ID: 10041009 D Initial Weight/Volume: 970 mL

Date Analyzed:

10/04/2010 1455 10/01/2010 1436 Date Prepared:

Final Weight/Volume: 1 mL Injection Volume: 1 uL

| <u>% Rec.</u> | | | | | | | |
|------------------------|----|----------|-----------------------------|-----|-----------|---------|----------|
| Analyte | MS | 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 | | its | | |
| 2-Fluorobiphenyl | | 63 | 63 | | | 9 - 120 | |
| Terphenyl-d14 | | 87 | 80 | | 4 | 5 - 120 | |

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

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

Analysis Batch: 720-79101 Prep Batch: 720-79041 Units: ma/Ka

Instrument ID: CHDRO6 Lab File ID: FID1000020.D Initial Weight/Volume: 30.20 g Final Weight/Volume: 2 mL

Date Analyzed: 10/01/2010 1431 Date Prepared: 09/30/2010 1126

p-Terphenyl

Date Prepared:

Date Prepared:

Injection Valume: 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 - 5

Ω

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

Method: 8015B Preparation: 3550B Silica Gel Cleanup

46 - 115

LCS Lab Sample ID: LCS 720-79041/2-A Analysis Batch: 720-79101 Client Matrix: Solid Prep Batch: 720-79041 Dilution: 1.0 Units: mg/Kg Date Analyzed: 10/01/2010 1503 09/30/2010 1126

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

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

PRIMARY

Column ID:

% Rec. Analyte LCS LCSD Limit RPD RPD Limit LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 86 45 - 115 4 LCSD % Rec Surrogate LCS % Rec Acceptance Limits 103 p-Terphenyl 98 46 - 115

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

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

09/30/2010 1126

Method: 8015B Preparation: 3550B Silica Gel Cleanup

MS Lab Sample ID: 720-30837-6 Analysis Batch: 720-79102 Client Matrix: Solid Prep Batch: 720-79041 Dilution: 10 Date Analyzed: 10/01/2010 1737 09/30/2010 1126 Date Prepared:

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: 720-30837-6 Client Matrix: Solid Dilution: 1.0 Date Analyzed: 10/01/2010 1759

Date Prepared:

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

% Rec. Analyte MS MSD Limit RPD Limit MS Qual MSD Qual Diesel Range Organics [C10-C28] 57 58 50 - 130 Surrogate MS % Rec MSD % Rec Acceptance Limits p-Terphenyl 93 46 - 115

Quality Control Results Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

Method Blank - Batch: 720-79118

Method: 8015B Preparation: 3510C SGC Dissolved

Lab Sample ID: MB 720-79115/1-C Client Matrix: Water Dilution: 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 Ditution: 1.0

10/04/2010 0932

10/01/2010 1004

Date Analyzed:

Date Prepared:

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 PRIMARY Column ID:

% Rec. Analyte 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

TestAmerica San Francisco

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TestAmerica San Francisco

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RL

1.0

50

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

Method Blank - Batch: 720-79235

Method: 8015B Preparation: 3550B Silica Gel Cleanup

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

Analysis Batch: 720-79206 Prep Batch: 720-79235

Result

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

Date Prepared: 10/04/2010 1427

Column ID: PRIMARY

Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36] Surrogate

ND ND % Rec Acceptance Limits

Qual

Capric Acid (Surr) p-Terphenyl

Analyte

0 - 5 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

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

0.2

Instrument ID: CHDRO5 Lab File ID: 1004105b 059.d 1 uL

Date Analyzed: 10/05/2010 0619 10/04/2010 1427 Date Prepared:

Initial Weight/Volume: 30.21 g Final Weight/Volume: 2 mL Injection Volume: 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

Diesel Range Organics [C10-C28]

Surrogate

p-Terphenyl

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

Analyte LCS

% Rec. LCSD Limit RPD Limit LCS Qual LCSD Qual 85 45 - 115 LCS % Rec LCSD % Rec Acceptance Limits 103 100 46 - 115

Quality Control Results

1 uL

PRIMARY

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Preparation: 3550B Silica Gel Cleanup

Method: 8015B

Injection Volume:

Column ID:

MS Lab Sample ID: 720-30865-A-3-D MS Analysis Batch: 720-79276 Client Matrix:

Solid 1.0

Prep Batch: 720-79235

Dilution: Date Analyzed: Date Prepared:

Client Matrix:

Analyte

10/05/2010 1125 10/04/2010 1427

MSD Lab Sample ID: 720-30865-A-3-E MSD Analysis Batch: 720-79276 Prep Batch: 720-79235

% Rec.

MSD

MS

Dilution: 1.0 Date Analyzed: 10/05/2010 1147 Date Prepared: 10/04/2010 1427

Solid

Instrument ID: CHDRO6 Lab File ID: FID1000013.D

Initial Weight/Volume: 30.30 g Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY

Instrument ID: CHDRO6

Lab File ID: FID1000012.D Initial Weight/Volume: 30.42 g

Final Weight/Volume: 2 mL

Column ID:

RPD Limit MS Qual MSD Qual

Diesel Range Organics [C10-C28] NaN 50 - 130 28 NaN Surrogate MS % Rec MSD % Rec Acceptance Limits p-Terphenyl 93 93 46 - 115

Limit

TestAmerica San Francisco Page 79 of 94 11/12/2010 TestAmerica San Francisco Page 80 of 94 11/12/2010

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-1

Method Blank - Batch: 720-79363

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

Lab Sample ID: MB 720-79363/1-A Client Matrix: Water

Date Prepared: 10/06/2010 0810

Dilution: 1.0 Date Analyzed: 10/07/2010 1047 Analysis Batch: 720-79456 Prep Batch: 720-79363

Units: ua/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 31 - 150

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 720-79363

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

Instrument ID: CHDRO5

LCS Lab Sample ID: LCS 720-79363/2-A Client Matrix: Water Dilution: 1.0 10/07/2010 1110 Date Analyzed:

Date Prepared:

Date Prepared:

Analysis Batch: 720-79456 Prep Batch: 720-79363 Units: ug/L

Lab File ID: 1007105b 011.d Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume: Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 720-79363/3-A Client Matrix: Water Dilution: 1.0 Date Analyzed: 10/07/2010 1134

10/06/2010 0810

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 ut Column ID: PRIMARY

% Rec Analyte LCS LCSD RPD Limit LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 64 32 - 119 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 102 116 31 - 150

Quality Control Results Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

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:

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 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 31 - 150 p-Terphenyl 99

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: Units: ua/L Date Analyzed: 10/07/2010 1000 Date Prepared: 10/06/2010 1311

10/06/2010 1311

Analysis Batch: 720-79456 Instrument ID: CHDRO5 Prep Batch: 720-79386 Lab File ID: 1007105b_008.d Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume:

Column ID:

1 uL PRIMARY

LCSD Lab Sample ID: LCSD 720-79386/3-A Client Matrix: Water Dilution: 1.0 Date Analyzed: 10/07/2010 1024

Date Prepared:

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

% Rec. Analyte LCS LCSD RPD RPD Limit LCS Qual LCSD Qual Limit Diesel Range Organics (C10-C28) 56 64 32 - 119 13 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 99 104 31 - 150

TestAmerica San Francisco

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11/12/2010

TestAmerica San Francisco

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11/12/2010

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

Analysis Batch: 720-79232 Prep Batch: N/A Units: ua/L

Instrument ID: IC3

Dilution: 1.0 Date Analyzed: 09/28/2010 1606 Lab File ID: 092810.csv Initial Weight/Volume: 1.0 mL Final Weight/Volume: 10 mL

Date Prepared: N/A

Analyte

Cr (VI)

Result ND

Qual

RL 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

Analysis Batch: 720-79232 Prep Batch: N/A

Date Analyzed: 09/28/2010 1616 Date Prepared: 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:

Analyte

Cr (VI)

Water

Dilution: 1.0 09/28/2010 1626

Date Analyzed: Date Prepared:

N/A

Analysis Batch: 720-79232

Prep Batch: N/A Units: ua/L

Instrument ID: IC3 Lab File ID: 092810.csv Initial Weight/Volume: 1.0 mL Final Weight/Volume: 10 mL

% Rec.

LCSD Limit

RPD Limit LCS Qual LCSD Qual 20

101 85 - 115 2 **Quality Control Results**

Job Number: 720-30837-1

Client: AMEC Geomatrix Inc.

Matrix Spike/

Client Matrix:

Date Analyzed:

Date Prepared:

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution:

Analyte

Cr (VI)

Dilution:

Matrix Spike Duplicate Recovery Report - Batch: 720-79232

Method: 7199 Preparation: N/A

Instrument ID: IC3

1.0

N/A MSD Lab Sample ID: 720-30814-A-3 MSD

Water

1.0

MS Lab Sample ID: 720-30814-A-3 MS Water 09/28/2010 1936

09/28/2010 1947

Analysis Batch: 720-79232

Prep Batch: N/A

Prep Batch: N/A

100

Analysis Batch: 720-79232

Lab File ID: 092810.csv Initial Weight/Volume: 1.0 mL

Final Weight/Volume: 10 mL

Instrument ID: IC3

Lab File ID: 092810.csv

Initial Weight/Volume: 1.0 mL Final Weight/Volume: 10 mL

% Rec. MS MSD Limit

RPD Limit MS Qual MSD Qual 80 - 120 20

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TestAmerica San Francisco

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TestAmerica San Francisco

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17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco

Project: 720-30837

1220 Quarry Lane

Pleasanton, CA 94566

Attention: Dimple Sharma

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 hasis 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. I page, is included and is an integral port of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

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| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|-----------|--------|
| ITI2549-01 | SB-06 | Water |
| IT12549-02 | SB-05 | Water |

Reviewed By:

TestAmerica Irvine Steven Garcia

Project Manager

ITI2549 <Par/12/2010

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Tryine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane

Sample ID: ITI2549-01 (SB-06 - Water) Reporting Units: ug/l

Sample ID: ITI2549-02 (SB-05 - Water)

Reporting Units: ug/l

Project ID: 720-30837 Report Number: 1TI2549

Sampled: 09/28/10 Received: 09/30/10

10/2/2010 10/2/2010

1220 Quarry Lane
Pleasanton, CA 94566
Attention: Dimple Sharma

Analyte

Chromium

.......

1010140

2.0

Method

EPA 6020

EPA 6020

METALS

Reporting Sample Dilution Date Date Data
Batch Limit Result Factor Extracted Analyzed Qualifiers

10J0140 10 250 5 10/2/2010 10/3/2010

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 perfect permitteen of TestAmerica.

ITI2549 < Page 2 45/52010

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Trvine, 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

Sampled: 09/28/10

Report Number: 1TI2549

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-B | LKI) | | | | | | | | | |
| Chromium | ND | 2.0 | ug/l | | | | | | | |
| LCS Analyzed: 10/02/2010 (10J0140-BS | I) | | | | | | | | | |
| Chromium | 81.0 | 2.0 | ug/l | 80.0 | | 101 | 80-120 | | | |
| Matrix Spike Analyzed: 10/02/2010 (10J | 0140-MS1) | | | | Source: I | TJ0043-0 | 2 | | | |
| Chromium | 117 | 2.0 | ug/l | 80.0 | 43.9 | 91 | 75-125 | | | |
| Matrix Spike Dup Analyzed: 10/02/2010 | (10J0140-M | ISD1) | | | Source: I | TJ0043-0 | 2 | | | |
| Chromium | HI | 2.0 | ug/l | 0.08 | 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, with my test prints from from TestAmerica.

IT12549 <Pagy 12/2010



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 Project ID: 720-30837

Sampled: 09/28/10

Pleasanton, CA 94566 Attention: Dimple Sharma

ND

Report Number: IT12549

Received: 09/30/10

DATA QUALIFIERS AND DEFINITIONS

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 residence of TestAmerica.

ITI2549 < Page 12/2010



17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane Project ID: 720-30837

Report Number: 1T12549

Sampled: 09/28/10 Received: 09/30/10

Pleasanton, CA 94566 Attention: Dimple Sharma

Certification Summary

TestAmerica Irvine Method EPA 6020

Matrix Water

Nelue

California 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, with weak to pertise only an TestAmerica.

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|---------|--------------------------------|
| | |

| TestAmerica San Francisco | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|------------------|----------------------------|--------------------------------|----------------------------------|-------------|------------|---------------|--|--------|------------------------|---------|----------|--------------|-------------|---------------|-----------|----------------------------|-------------------------------------|------------------------------------|
| 1220 Quarry Lane | | | | Chain d | | ٠ | | ٠ | ъ. | | | | | | | | | | TestA | merica |
| Pleasanton, CA 94566 | | | 1 | Snain c | ,,, | ·us | Sto | aу | Κŧ | co | ra | | | | _ | | | | | |
| Phonia (925) 484-1919 Fax (925) 600-3002 | | | | | | | | | | τ | + | T | 25 | '4 | 4 | | | | THE FLADER SHIP | WANDHMENTAL TESTING |
| Client Information (Sub Contract Lab) | Sampler, | | | | mpour, Afseneh | | | | | | Carger Tracking No(s). | | | | 720-10115.1 | | | | | |
| Shipping/Receiving | Phono | | | E-Ma afsa | | alim | _ Bruoq | test: | lamer | icaino | .ccm | | | | | | | | Page 1 of 1 | |
| Company: TestAmerica Laboratories, Inc. | | | | | Г | | - | , | | naly | | | | od. | | _ | | | Job #. 720-30837+1 | |
| Address. | Due Date Reques | ited: | | | 롼 | | | _ | T^ | Taly | 515 | Xeq. | 108 | eu. | | $\overline{}$ | _ | E | Preservation Co | dos. |
| 01/ | 10/4/2010 TAT Requested for | dayak: | | | 8 | | | 1 | | | | -) | - [| | | | 1 | | A-HCL | W - Hexane |
| Irvine State, Zio | <u> </u> | | | | | | | 1 | 1 | П | | - 1 | | - 1 | | | 1 | | B - NaOH C - Zn Accisio | N - None O - AsNaO2 |
| CA, 92614-5817 | l | | | | 3 | | | 1 | | H | | | - [| | ļ | 1 | ł | 100 | D - Nims Acc E - NaHSO4 | P - Ne2O43 O - Ne2SO3 |
| Phone. 949-261-1022(Tel) 949-261-1228(Fax) | PO#: | | | | CHOROGODO (| | | | | | | | | | | | | 100 | F - MoOH G - America | R - Na252503 S - H2504 |
| Email . | WO#: | | | | or No) | H. | , | | | H | Ì | | | ļ | | | | i. | H - Ascertic Acid | T - TSP Codecatrydrate U - Acezone |
| Project Name: Crown Chevrolet | Project #; | | | - | T . | 5 | 3 | 1 | 1 | | | - { | | | | | | ě | J - DI Water K - SOTA L - EDA | V - MCAA W - ph 4-5 |
| Site: | 72006900 550w | | | | 2 | 1 3 | 3 | ľ | | | | - 1 | 1 | | | | 1 | T C | Other: | Z - other (specify) |
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| | | Sample | Sample Type (C=comp, | Matrix (mouse, e-sec, | Field Filtered Sample (Yes or N. | SURGONTRACT | | | | | | | | | | | | Total Number of Containers | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | | Gegrab) | Drussides, BTrfissor, ArAv) | | | | | | H | | | | | | | | Total D | Special in | structions/Note; |
| (0.00) | \sim | >< | Preserv | illon Code | XD | ₫ | 100 | | 30 | | | | <i>-</i> | 30 | | 1 | 郷 | | 0.50 | 250 |
| SB-06 (720-30837-6) | 9/28/10 | 11.05 Pacific | | Water | | × | 4 | | | | | | 1 | | I | Ī | | 43 | | |
| SB-05 (720-30837-14) | 9/28/10 | 14:20 Pacific | | Water | 4 | × | 4 | L | _ | Ш | | \perp | _ | 1 | ┸ | L | L | á | | |
| | | | <u> </u> | | ┸ | L | | L | L | | | \perp | 1 | | | | | | | |
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| | | | | | 7 | Т | | | | | _ | 7 | 1 | T | _ | T | T | Ť | | |
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| | | T | | | + | + | | | | | -+ | + | + | † | + | t | 1 | ٠. | | |
| Possible Hazard Identification | | | | I | 5 | amp | lo Dis | 0053 | I/A | fee n | nay t | e na. | :035 | ed if | samp | los a | re re | taln | ed longer than | month) |
| Oeliverable Requested: I, II, III, IV, Other (specify) | ison B Unk | nown 🗀 | Rediologica | ol | S | pecia | Retur | 1 To uctio | Clien | C Rec | uirei | Di: | pos | el By | Lab | | | Arci | nive For | Months |
| Emply Kit Relinquished by: | | Date: | | | Time | - | | | | | | | Tu. | alhod | of Ship | mani | | | | |
| Relinquished by: | Date Grane: | 70 (| 700 | COUNTY ! | | Ros | Cerves | y: | P | | - 0 | , | | | TOsh | Mir. | - | 7- | | Company |
| Reinquished by. | Cole/Time: | 10 1 | , | Company | | Res | Cerved E | 1 | 150 | w | | 1_ | | | Case | 4 | φ | 0 | 1/2/5 | Company TAI |
| Reinquened by: | Date/Tone: | ~ | | Compuny | | Rei | cerved b |)F | | | _ | | _ | | Date | √Time | | | | Company |
| Custody Seals Intact: Custody Seal No.: | | | | | | Cos | ole: Ten | npsrat | hure(s) | *C and | Othe | Rem | 17 | -2 | 1 | -Q | | | | 20100 |

| TURNAROUND TIME STANDARD LABORAT SAMPLE SHIPMENT METHOD. LABORAT LABORAT SAMPLE SHIPMENT METHOD. LABORAT | TOPY PHONE MUNDER: ANALY ANALY ANALY ANALY ANALY ANALY ANALY | AMEL GE | eama frix | REPORTING REQUIREMENTS: GEOTRACKER REQUIRED | (YES) NO |
|--|--|------------------|---|--|--|
| SAMPLE SKIPMENT METHOD: SAMPLE SKIPMENT METHOD: LABORAT LABORAT | ANALY | | CEMMA THE | GEOTRACKER REQUIRED | VES) NO |
| SAMPLE SHIPMENT METHOD. LABORAT LABORAT SAMPLE SHIPMENT METHOD. SAMPLE SHIPMENT METHOD. | ANALY | 'SES | | GEOTRACKER REQUIRED | (YES) NO |
| SAMPLERS (SIGNATURE): | ANALY | SES | | GEOTRACKER REQUIRED | |
| SAMPLERS (SIGNATURE): | ANALY | SES | | | |
| Did F | | | | SITE SPECIFIC GLOBAL ID NO. A | TITT |
| THE STATE OF THE S | 5] | | | 9 | |
| | प्रयाश्वा | | | المتا | 2 |
| | PAIT | | | ON NO N | Osoled Wishing Cooled ADDITIONAL COMMENTS COMMENTS |
| SAMPLE 3 | PATE CARACTER CARACTE | | CONT | AINER (S), Water (V). Preservati | B S S ADDITIONAL |
| DATE TIME NUMBER 9 | 불투합의 | | TYPE A | ND SIZE | PROPERTY ADDITIONAL COMMENTS |
| 9/28 11:05 513-06 | | L | Poly 2 | 50 ML WN HNO3 | 3 4 N 1 |
| 11:05 57-06 | | | Poly 2 | | YNI |
| 11:55 813-12-12 | XXL | | 802914 | | YNI |
| 12:05 33-05-11.5 | XX | | 85₹ 910 | SS Jar SN None | - Y N 1 |
| 13:40 88-12 | X | | | Amberjan W N HCL | Y N2 |
| | | | | W &U None | YN2 filler@ lab |
| | | | 4 | w or More | T N 2 |
| 14:00 SB-09-3.0 | XX | | Boz glass | | Y N I HOLD |
| 14:05 513-09-4.9 | X X | | 1 1 | 5 N none | 2 N 1 |
| 14:20 SB-05 | X | | | MNHU | Y N2 |
| 14:20 | \times | | | WN None | 1 Na Filter plab |
| 14:20 | | | | WN None | |
| IN:90 | | | | W N 1400 | |
| 14:79 | | | | W N None | erWil |
| | SCHNIKI 41/2 | T , I | | | + |
| RELINQUISHED BY: DATE TIME RECE | ETVED BY: | DITTE THE | TOTAL NUMBER OF CONTA | INERS: | 20 |
| alou in sign | Viartires | 17/ | SAMPLING COMMENTS: | | · · |
| RINTED NAME: Grenskin 9/29/17:04 PRINTE | all lost- | 1/28/ 1722 | Seep | cyc 1.43 | |
| Anael Geometrix | TOSE | 1/01/ | , | 0 | |
| STATOTAL POLICE | TURE: Muller | 10/ | | | |
| RINTED NAME: Trues 100 1860 PRINTE | ED NAME: (Ley | 1841 | | | |
| OMPANY: COMPA | ANY: | 124/10 1800 | | | |
| IGNATORE: I SIGNAT | | _ | 2101 Webster Str | | |
| PRINTE PRINTE | ED NAME: | _ | Oakland, Californ Tel 510.663.4100 F | a 94612-3066 | Geomatrix |

| PROJECT | NAME: CRO | MN CHEUROLE | • | - |) - 3 | OB. | 5 | | | | DATE: O | | | PAGE | 1 | OF 3 |
|---------------|---|------------------|--------------|----------------|------------------------------------|-----------|------------|-----------|---------------|---------------------------------------|---------------------|---------------------------------------|-------------------|------------------|---------------|---------------------|
| PROJECT NUMB | SER: 018 101 6 | | LABORAT | TORY NA | ME: TA | SF | CLIENT INF | ORMATION: | | | REPORTING | REQUIREMEN | TS. | | | |
| RESULTS TO: | A. PATTO | | LABORAT | TORY AD | DRESS: | | Ance | Ge | omatri. | × | | | | | | |
| TURNAROUND T | Standar | | 1 | | | | 1 | | <u> </u> | · · · · · · · · · · · · · · · · · · · | | | | | | |
| SAMPLE SHIPME | ENT METHOD: | 0/ | LABORA | TORY CO | NTACT: | | | - | | | GEOTRACKE | o occuper. | | | (YES) | NO |
| | | | LABORAT | TORY PH | INTACT: ONE NUMBI | R: | <u> </u> | | | | | | | | 100 | |
| | | | - | | | A NIA I N | VCEC. | | * | | I SITE SPECIFI | C GLOBAL ID | NO | Т | TT | |
| SAMPL | ERS (SIGN | IATURE): | - T9 | er i | | ANAL' | ISES | | | | | | | | | |
| 7) | Con Cylin | HE. | TPHA, MTBE | 18 | H,M | | | | | | | Water (W). /), or Other (O) | Proservative Type | | of Containers | |
| DATE | TIME | SAMPLE NUMBER | VOC, TRHS, | TPHA /ma | 8 AH Chromium | | | | | | ITAINER AND SIZE | Soil (S), W Vapor (V), Filtered | Proservi | Cooled MS/MSD | No. of C | ADDITIONAL COMMENTS |
| 1/28/2010 | 730 SB-1 | 0-11.5 | | X | X | | | | | 807 | glass jar | SN | None | YN | | |
| 1 | | 10-9.0 | | X | | | 1 | | | | 1 | SW | None | YN | TI | Hold |
| | | 10-10.5 | 1 | × | | | | | | | | 3 N | None | YV | | Itold |
| | | 10-40 | | \searrow | X | | | | | | | SA | Mabac | N | Til | 17010 |
| | 8:48 SB- | | 1 | × | | | | | | 37.07 | Amber Jan | | + | YN | 1,1 | |
| | 8:48 SUB | 1 | | X | | | + | | 11 | 72.00 | 1 | WN | | 1/1/ | | - |
| - | B: A3. | | - | X | \dashv | ++ | | | \vdash | | 1 | WN | 11 / | 1 1 | | Filtera lub |
| | 8:42 | | + | X | $\dashv \dashv$ | - | ++ | | 1-1- | | | WN | — | 1 1/4 | | Filter@ lab |
| - | 78:48 | | ++ | | x | | + | | \vdash | | | WN | _ | YN | + | ricia (a) |
| | 8:48 | | | + | \ominus | | | \vdash | | | - | 1 1 | + | 1 // | +++ | |
| | 1 - 1 | <u> </u> | | \downarrow | A | | ++ | \vdash | | 10- | ** | WN | 1-0-1- | 1 1' | \rightarrow | |
| | 10:06 SB-1 | | 4-4 | +> | A - C | ++ | 1 - | | | | glass jar | 5 ~ | | YN | -+ | |
| | 10:25 313- | | | | $^{\lambda \downarrow \downarrow}$ | | ++ | <u> </u> | | | glass jar | S W | None | YN | 1 ' | |
| | 11:05 SB- | | 4-4- | | | \dashv | + | <u> </u> | | 52. oz | Amber Jar | | | 7 1 | | en |
| | 11:05 SB- | | | $\perp \times$ | | | | Ц | | | ļ | WW | None | | | filter@lab |
| 4 | 11:05 SB | -06 | | للسل | <u> </u> | | 1,1_ | Ļ | <u> </u> | 1 | Ť | WN | None | N N | 2 | |
| | JISHED BY: | DATE TIME | REC | EIVE | D BY: | | | TIME | <u> </u> | IUMBER OF COI | NTAINERS: | | | | 118 | |
| SIGNATURE | 165 | 01 | SIGNA | EN C | Cort | wes | 9/28/ | | SAMPLI | NG COMMENTS: | | d | 20001 | _ = | =5 | ラ |
| PRINTED NA | ME: Greenstein | 7/28/17:06 | PRINTE | - NAY | 7 artu | 225) | | 1777 | * Si, | tca Gel | Prom G | - TP | Holling | , | | |
| COMPANY: | Geomatrix | 9/27/10/7:06 | COMPA | ANY: | 200 | | _ // | 1 | | BK, MIE, TPK | | | 7 | | | |
| SIGNATURE | Magazia | 9/ | SIGNA | TURE: | I A | یا کرر | | | Thud | al Th | H 1/10 | L. Gra | 15 | 5 | 40 | 5.72 3.33 |
| PRINTEDNA | ortinos) | 9/2 1/2 1800 | PRINTE | NAM. | 1E: / 2 | ۸. | 9/28/ | 10. | P4# | | 70C 51H | 7 00. | | | | |
| COMPANY: | Orthon) | — '¨ | COMPA | ANY | <u> </u> | <u> </u> | - 1º | 186 | Chosa | | 3020 | | | | | |
| SIGNATURE: | 3 . 1 | | SIGNA | | . () (0 | | | 1 | 1 | 1 Webster | | Floor | 1 | | | |
| PRINTED NA | ME: | - | PRINTE | ED NAM | IE: | | _ | | 1 | kland, Califo | | | 1 | | ٦۵, | omatrix |
| COMPANY: | | | COMPA | 0 B13// | | | \dashv | ł | 1 | 0.663.4100 | | | 1224 | | | JIIIaci IA |

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

Comment

| Question | T / F/ NA |
|---|--------------|
| 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. Samples were received on ice. | True True |
| Cooler Temperature is acceptable. | True |
| Cooler Temperature is acceptable. Cooler Temperature is recorded. | |
| COC is present. | True 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, inct, 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 |

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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

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.

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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.

11/05/2010

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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 Orga | | 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 8260 | B/CA_LUFTMS |
| Closed System Purge and Trap | TAL SF | | SW846 5035 |
| Diesel Range Organics (DRO) (GC) | TAL SF | SW846 8015 | В |
| 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.

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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 |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID:

Method:

Dilution:

Preparation:

SB-03-1.3

Lab Sample ID: 720-30837-19 Client Matrix:

Solid

Date Sampled: 09/28/2010 1601 Date Received: 09/28/2010 1800

10041013.D

6.60 g

10 mL

HP7

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS Analysis Batch: 720-79201 5035 Prep Batch: 720-79321

Instrument ID: Lab File ID: Initial Weight/Volume: Final Weight/Volume:

1.0 10/04/2010 1556 Date Analyzed:

10/04/2010 0800 Date Prepared:

| 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-Chloropropai | ne | 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 |
| Isopropyibenzene | | ND | | 3.8 |
| 4-Isopropyltoluene | | ND | | 3.8 |
| Methylene Chloride | | ND | | 7.6 |
| 4-Methyl-2-pentanone (MIBI | O | ND | | 38 |
| Naphthalene | "/ | ND | | 7.6 |

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Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID:

SB-03-1.3

Lab Sample ID: Client Matrix:

Method:

Dilution:

Preparation:

Date Analyzed:

Solid

720-30837-19

10/04/2010 1556

Date Sampled: 09/28/2010 1601 Date Received: 09/28/2010 1800

8260B/CA_LUFTMS 8260B / CA LUFT MS

Analysis Batch: 720-79201 8260B/CA_LUFTMS 5035

Prep Batch: 720-79321

Lab File ID: 10041013.D Initial Weight/Volume: 6.60 g

73 - 140

72 - 113

Instrument ID:

Final Weight/Volume: 10 mL

HP7

10/04/2010 0800 Date Prepared:

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

1.0

| 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-trifluoroeth | ane | 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 | | NĎ | | 7.6 |
| 2,2-Dichloropropane | | ND | | 3.8 |
| Gasoline Range Organics (GRO |)-C5-C12 | ND | | 190 |
| Surrogate | | %Rec | Qualifier | Acceptance Limits |
| 4-Bromofluorobenzene | 1.1.1.1.1 | 95 | | 65 - 117 |

97

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID: SB-10-9.0

Lab Sample ID:

Client Matrix:

Method:

Dilution:

Analyte

Surrogate

p-Terphenyl

Capric Acid (Surr)

Preparation:

Date Analyzed:

Date Prepared:

720-30837-2 Solid

Date Sampled: 09/28/2010 0747 Date Received: 09/28/2010 1800

CHDRO6

30.16 g

2 mL

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

3550B 1.0

8015B

Analysis Batch: 720-79276

Prep Batch: 720-79235

Instrument ID: Initial Weight/Volume: Final Weight/Volume:

10/05/2010 1913

10/04/2010 1427

DryWt Corrected: N Result (mg/Kg) ND

Diesel Range Organics [C10-C28]

Motor Oil Range Organics (C24-C36)

ND %Rec

90

Qualifier

Qualifier

Injection Volume: Result Type: PRIMARY

RL 0.99

50 Acceptance Limits

0 - 5 46 - 115 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID:

SB-10-10.5

Lab Sample ID: Client Matrix:

Dilution:

Surrogate

Date Analyzed:

Date Prepared:

720-30837-3 Solid

10/05/2010 1935

10/04/2010 1427

Date Sampled: 09/28/2010 0748 Date Received: 09/28/2010 1800

RL

0.99

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

8015B Method: Preparation: 3550B

1.0

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

Instrument ID: CHDRO6 Initial Weight/Volume: 30.45 g Final Weight/Volume: Injection Volume:

2 mL 1 uL Result Type: PRIMARY

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

Qualifier

%Rec Qualifier Acceptance Limits Capric Acid (Surr) 0 - 5 p-Terphenyl 81 46 - 115

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

SB-10-4.0 Client Sample ID: Lab Sample ID:

Client Matrix:

720-30837-4 Date Sampled: 09/28/2010 0751 Solid Date Received: 09/28/2010 1800

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

Method: 80158 Analysis Batch: 720-79276 Instrument ID: CHDRO6 30.12 g Preparation: 3550B Prep Batch: 720-79235 Initial Weight/Volume: Dilution: 1.0 Final Weight/Volume: 2 mL 10/05/2010 1957 Date Analyzed: Injection Volume: 1 uL 10/04/2010 1427 Date Prepared: Result Type: PRIMARY

DryWt Corrected: N Analyte Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] 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

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID:

Lab Sample ID:

720-30837-12

Client Matrix: Solid

SB-09-3.0

Date Sampled: 09/28/2010 1400 Date Received: 09/28/2010 1800

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

Analysis Batch: 720-79277 Method: 8015B Instrument ID: CHDRO6 Preparation: 3550B Prep Batch: 720-79235 Initial Weight/Volume: 30.23 g Dilution: 1.0 Final Weight/Volume: 2 mL 10/05/2010 1807 Date Analyzed: Injection Volume: 1 uL

ND

10/04/2010 1427 Date Prepared: Result Type: PRIMARY DryWt Corrected: N Analyte Result (mg/Kg) Qualifier RL Diesel Range Organics [C10-C28] ND 0.99

Motor Oil Range Organics [C24-C36] 50 Surrogate %Rec Qualifier Acceptance Limits Capric Acid (Surr) 0 - 5 p-Terphenyi 96 46 - 115

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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 Diesei Range Organics (DRO) (GC)-Silica Gel Cleanup

| CHDRO6 |
|-------------|
| ne: 30.18 g |
| ie: 2 mL |
| 1 uL |
| PRIMARY |
| |
| |

| Analyte | DryWt Corrected: N | Result (mg/Kg) | Qualifier | RL |
|------------------------------|--------------------|----------------|-----------|------|
| Diesel Range Organics (C10-C | 28] | ND | | 0.99 |
| Motor Oil Range Organics [C2 | 4-C36] | ND | | 50 |

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

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Client Sample ID:

SB-09-6.0

Lab Sample ID: Client Matrix:

720-30837-18 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 (C | C10-C28] | ND | | 0.99 |
| Motor Oil Range Organic | s [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 | |
|-------------|-----------|-------------|--|
| | | | |

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

QC Association Summary

| | | report | | | |
|-------------------------|------------------------------|--------|---------------|---------------|------------|
| Lab Sample ID | Client Sample ID | Basis | Client Matrix | Method | Prep Batch |
| GC/MS VOA | | | | | |
| Analysis Batch:720-7920 | 1 | | | | |
| LCS 720-79321/2-A | Lab Control Sample | Т | Solid | 82608/CA_LUFT | 720-79321 |
| LCS 720-79321/4-A | Lab Control Sample | Т | Solid | 8260B/CA_LUFT | 720-79321 |
| LCSD 720-79321/3-A | Lab Control Sample Duplicate | Т | Solid | 8260B/CA_LUFT | 720-79321 |
| LCSD 720-79321/5-A | Lab Control Sample Duplicate | Т | 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 | т | Solid | 8260B/CA_LUFT | 720-79321 |
| Prep Batch: 720-79321 | | | | | |
| LCS 720-79321/2-A | Lab Control Sample | Т | 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 | т | Solid | 5035 | |
| 720-30837-19 | SB-03-1.3 | T | Solid | 5035 | |

Report Basis T = Total

TestAmerica San Francisco

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

QC Association Summary

| CSD 720-79235/3-A Method Blank A Solid 80158 720-792 MB 720-79235/1-A Method Blank A Solid 8015B 720-792 MB 720-79235/1-A Method Blank A Solid 8015B 720-792 Prep Batch: 720-79235/2-A Lab Control Sample A Solid 3550B SESD 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/1-A Method Blank A Solid 3550B MB 720-79235/1-A Method Blank A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-4 SB-10-4.0 A Solid 3550B 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-12 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-E MSD Matrix Spike Duplicate A Solid 3550B 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-3 SB-10-4.0 A Solid 8015B 720-792 720-30837-3 EMSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30837-3 SB-10-4.0 A Solid 8015B 720-792 720-30836-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30836-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30836-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30836-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|---|-------------------------|------------------------------|-----------------|---------------|--------|------------|
| CS 720-79235/2-A Lab Control Sample A Solid 8015B 720-792 CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 8015B 720-792 Method Blank A Solid 8015B 720-792 Method Blank A Solid 8015B 720-792 Prep Batch: 720-79235 CS 720-79235/2-A Lab Control Sample Duplicate A Solid 3550B CS 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/3-A Method Blank A Solid 3550B MB 720-79235/1-A Method Blank A Solid 3550B MB 720-30837-2 SB-10-9.0 A Solid 3550B C20-30837-3 SB-10-10.5 A Solid 3550B C20-30837-12 SB-09-9.0 A Solid 3550B C20-30837-12 SB-09-9.0 A Solid 3550B C20-30837-16 SB-05-2.0 A Solid 3550B C20-30837-18 SB-09-6.0 A Solid 3550B C20-30857-18 SB-09-6.0 A Solid 3550B C20-3085-A-3-D MS Matrix Spike Duplicate A Solid 3550B C20-3085-A-3-E MSD Matrix Spike Duplicate A Solid 3550B Analysis Batch:720-79276 C20-30837-3 SB-10-10.5 A Solid 8015B 720-792 | GC Semi VOA | | | | | |
| CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 8015B 720-792 Method Blank A Solid 8015B 720-792 Prep Batch: 720-79235 CS 720-79235/3-A Lab Control Sample A Solid 3550B CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/1-A Method Blank A Solid 3550B 20-30837-2 SB-10-9.0 A Solid 3550B 20-30837-3 SB-10-10.5 A Solid 3550B 20-30837-4 SB-10-4.0 A Solid 3550B 20-30837-12 SB-09-9.0 A Solid 3550B 20-30837-16 SB-09-9.0 A Solid 3550B 20-30837-16 SB-09-0.0 A Solid 3550B 20-30837-16 SB-09-6.0 A Solid 3550B 20-30837-18 SB-09-6.0 A Solid 3550B 20-30865-A-3-D MS Matrix Spike Duplicate A Solid 3550B Analysis Batch:720-79276 20-30837-3 SB-10-10.5 A Solid 8015B 720-792 20-30836-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 | Analysis Batch:720-7920 | 6 | | | | |
| MB 720-79235/1-A Method Blank A Solid 8015B 720-792 Prep Batch: 720-79235 LCSD 720-79235/2-A Lab Control Sample A Solid 3550B A Solid 3550B MB 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/3-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 720-30837-4 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 720-30837-16 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 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 | .CS 720-79235/2-A | Lab Control Sample | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-79235 .CS 720-79235/2-A | CSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79235 |
| .CS 720-79235/2-A Lab Control Sample A Solid 3550B .CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B Method Blank A Solid 3550B Method Blank A Solid 3550B .20-30837-2 SB-10-9.0 A Solid 3550B .20-30837-3 SB-10-10.5 A Solid 3550B .20-30837-4 SB-10-10.5 A Solid 3550B .20-30837-16 SB-05-2.0 A Solid 3550B .20-30837-16 SB-05-2.0 A Solid 3550B .20-30837-16 SB-05-2.0 A Solid 3550B .20-30837-18 SB-09-6.0 A Solid 3550B .20-30865-A-3-D MS Matrix Spike A Solid 3550B .20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 .20-30837-2 SB-10-10.5 A Solid 8015B 720-792 .20-30837-3 SB-10-10.5 A Solid 8015B 720-792 .20-30837-4 SB-10-4.0 A Solid 8015B 720-792 .20-30837-4 SB-10-4.0 A Solid 8015B 720-792 .20-3085-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 .20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 .20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 .20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | /IB 720-79235/1-A | Method Blank | Α | Solid | 8015B | 720-79235 |
| CSD 720-79235/3-A Lab Control Sample Duplicate A Solid 3550B MB 720-79235/1-A Method Blank A Solid 3550B S50B 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-3 SB-10-10.5 A Solid 3550B 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-16 SB-05-2.0 A Solid 3550B 720-30837-16 SB-05-2.0 A Solid 3550B 720-30837-18 SB-09-6.0 A Solid 3550B 720-30855-A-3-D MS Matrix Spike A Solid 3550B 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-2 SB-10-10.5 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike A Solid 8015B 720-792 | Prep Batch: 720-79235 | | | | | |
| MB 720-79235/1-A Method Blank A Solid 3550B 20-30337-2 SB-10-9.0 A Solid 3550B 20-30837-3 SB-10-10.5 A Solid 3550B 220-30837-4 SB-10-4.0 A Solid 3550B 220-30837-4 SB-10-4.0 A Solid 3550B 220-30837-12 SB-09-3.0 A Solid 3550B 220-30837-16 SB-05-2.0 A Solid 3550B 220-30837-16 SB-05-2.0 A Solid 3550B 220-30837-16 SB-09-6.0 A Solid 3550B 220-30837-18 SB-09-6.0 A Solid 3550B 220-30857-18 SB-09-6.0 A Solid 3550B 220-30855-A-3-D MS Matrix Spike Duplicate A Solid 3550B 220-30855-A-3-E MSD Matrix Spike Duplicate A Solid 3550B | .CS 720-79235/2-A | Lab Control Sample | Α | Solid | 3550B | |
| 720-30837-2 SB-10-9.0 A Solid 3550B 720-30837-3 SB-10-10.5 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 720-30837-16 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 8015B 720-792 720-30837-2 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | CSD 720-79235/3-A | Lab Control Sample Duplicate | Α | 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 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-16 SB-09-6.0 A Solid 3550B 720-30837-18 SB-09-6.0 A Solid 3550B 720-30837-18 SB-09-6.0 A Solid 3550B 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 3550B 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30836-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 | MB 720-79235/1-A | Method Blank | Α | 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-09-3.0 A Solid 3550B 720-30837-16 SB-09-2.0 A Solid 3550B 720-30837-16 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 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B 720-30837-2 SB-10-9.0 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-308365-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | 20-30837-2 | SB-10-9.0 | Α | Solid | 3550B | |
| 720-30837-12 SB-09-3.0 A Solid 3550B 720-30837-16 SB-05-2.0 A Solid 3550B 720-30837-16 SB-05-2.0 A Solid 3550B 720-30837-16 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 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B 720-30865-A-3-E MSD A Solid 8015B 720-792 720-30837-2 SB-10-10.5 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike Duplicate A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | | SB-10-10.5 | Α | Solid | 3550B | |
| 720-30837-16 SB-05-2.0 A Solid 3550B SC20-30837-18 SB-09-6.0 A Solid 3550B SC20-30837-18 SB-09-6.0 A Solid 3550B SC20-30865-A-3-D MS Matrix Spike Duplicate A Solid 3550B SC20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B SC20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 3550B SC20-30865-A-3-E MSD SB-10-9.0 A Solid 8015B 720-792 SB-10-10.5 A Solid 8015B 720-792 SC20-30837-4 SB-10-4.0 A Solid 8015B 720-792 SC20-30837-4 SB-10-4.0 A Solid 8015B 720-792 SC20-30835-A-3-D MS Matrix Spike A Solid 8015B 720-792 SC20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | '20-30837-4 | SB-10-4.0 | Α | Solid | 3550B | |
| 20-30837-18 | '20-30837-12 | SB-09-3.0 | Α | Solid | 3550B | |
| 20-30865-A-3-D MS | '20-30837-16 | SB-05-2.0 | Α | 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 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | 20-30837-18 | SB-09-6.0 | Α | Solid | 3550B | |
| Analysis Batch:720-79276 720-30837-2 SB-10-9.0 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | '20-30865-A-3-D MS | Matrix Spike | Α | Solid | 3550B | |
| 720-30837-2 SB-10-9.0 A Solid 8015B 720-792 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30865-A-3-D MS Matrix Spike A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | '20-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 3550B | |
| 720-30837-3 SB-10-10.5 A Solid 8015B 720-792 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-308365-A-3-D MS Matrix Spike A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | Analysis Batch:720-7927 | 6 | | | | |
| 720-30837-4 SB-10-4.0 A Solid 8015B 720-792 720-30835-A-3-D MS Matrix Spike A Solid 8015B 720-792 720-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | '20-30837-2 | S8-10-9.0 | Α | Solid | 8015B | 720-79235 |
| 20-30865-A-3-D MS | 20-30837-3 | SB-10-10.5 | Α | Solid | 8015B | 720-79235 |
| 20-30865-A-3-E MSD Matrix Spike Duplicate A Solid 8015B 720-792 | 20-30837-4 | SB-10-4.0 | Α | Solid | 8015B | 720-79235 |
| | '20-30865-A-3-D MS | Matrix Spike | Α | Solid | 8015B | 720-79235 |
| Analysis Ratch:720-79277 | '20-30865-A-3-E MSD | Matrix Spike Duplicate | Α | Solid | 8015B | 720-79235 |
| ratary 515 Daton: FEG-15E17 | Analysis Batch:720-7927 | 7 | | | | |
| 720-30837-12 SB-09-3.0 A Solid 8015B 720-792 | 20-30837-12 | SB-09-3.0 | Α | Solid | 8015B | 720-79235 |
| 720-30837-16 SB-05-2.0 A Solid 8015B 720-792 | 20-30837-16 | SB-05-2.0 | Α | Solid | 8015B | 720-79235 |
| 720-30837-18 SB-09-6.0 A Solid 8015B 720-792 | 20-30837-18 | SB-09-6.0 | Α | Solid | 8015B | 720-79235 |

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Report Basis

A = Silica Gel Cleanup

TestAmerica San Francisco

11/05/2010

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

Method Blank - Batch: 720-79321

Date Analyzed: 10/04/2010 1042

Date Prepared: 10/04/2010 0800

Method: 8260B/CA_LUFTMS

Preparation: 5035

Lab Sample ID: MB 720-79321/1-A Client Matrix: Solid Dilution: 1.0

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 RL Methyl tert-butyl ether ND 5.0 Acetone ND 50 5.0 Benzene ND Dichlorobromomethane ND 5.0 Bromohenzene ND 5.0 Chlorobromomethane ΝĎ 20 Bromoform ND 5.0 Bromomethane ΝD 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 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 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 Isopropylbenzene ND 5.0 4-Isopropyltoluene ND

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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 mt.

| 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 | |

Quality Control Results Job Number: 720-30837-2

Client: AMEC Geomatrix Inc.

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: Dilution:

Solid 1.0

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

Date Analyzed: Date Prepared:

Client Matrix: Dilution:

10/04/2010 1116 10/04/2010 0800

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

> > % Rec.

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

1.0 10/04/2010 1150 Date Analyzed: Date Prepared: 10/04/2010 0800

LCSD Lab Sample ID: LCSD 720-79321/3-A

Solid

Final Weight/Volume: 10 mL

| 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 | | |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

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

Method: 8260B/CA LUFTMS

Preparation: 5035

Instrument ID: HP7

LCS Lab Sample ID: 'LCS 720-79321/2-A Client Matrix: Solid

Dilution:

Lab Control Sample/

10/04/2010 1116

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

Lab File ID: 10041005.D Initial Weight/Volume: 5 g Final Weight/Volume:

Date Analyzed: Date Prepared: 10/04/2010 0800

LCSD Lab Sample ID: LCSD 720-79321/3-A Solid

Client Matrix: Dilution: Date Analyzed:

1.0

10/04/2010 1150

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

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

Instrument ID: HP7

10/04/2010 0800 Date Prepared:

| | | % Rec. | | | | | |
|---------------------------------------|-----|--------|----------|-----|-----------|----------|-----------|
| Analyte | LCS | 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 | | |

TestAmerica San Francisco Page 21 of 29 11/05/2010

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30837-2

5 g

10 mL

72 - 113

10 mL

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:

Dilution:

Date Analyzed:

Date Prepared:

Client Matrix:

Analyte

Surrogate

2,2-Dichloropropane

4-Bromofluorobenzene

Toluene-d8 (Surr)

1,2-Dichloroethane-d4 (Surr)

Solid 1.0

Prep Batch: 720-79321

Units: ug/Kg

Analysis Batch: 720-79201

Lab File ID: 10041005.D Initial Weight/Volume:

Final Weight/Volume:

Instrument ID: HP7

LCSD Lab Sample ID: LCSD 720-79321/3-A

10/04/2010 1116

10/04/2010 0800

Solid

1.0

Dilution: 10/04/2010 1150 Date Analyzed: 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:

% Rec. LCS LCSD RPD RPD Limit LCS Qual LCSD Qual 1 imit 107 73 - 162 20 102 5 LCS % Rec LCSD % Rec Acceptance Limits 99 100 65 - 117 101 103 73 - 140

97

Page 22 of 29 11/05/2010 TestAmerica San Francisco

Client: AMEC Geomatrix Inc.

Date Prepared:

Date Prepared:

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 Client Matrix: Solid Dilution: 1.0 Date Analyzed: 10/04/2010 1224

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 10 10/04/2010 1258 Date Analyzed:

10/04/2010 0800

10/04/2010 0800

Analysis Batch: 720-79201 Prep Batch: 720-79321 Units: ua/Ka

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

% Rec. Analyte LCS LCSD RPD Limit RPD Limit 1 CS Qual 1 CSD Qual Gasoline Range Organics (GRO)-C5-C12 84 68 - 115 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) 72 - 113 98

Quality Control Results

1 uL

30.21 a

2 mL

1 uL

PRIMARY

Job Number: 720-30837-2

Client: AMEC Geomatrix Inc.

Method Blank - Batch: 720-79235

Method: 8015B Preparation: 3550B Silica Gel Cleanup Instrument ID: CHDRO5

Lab File ID: 1004105b_061.d

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: ma/Ka

Initial Weight/Volume: 30.12 g Final Weight/Volume: 2 mt.

Column ID:

Injection Volume: PRIMARY

Analyte Result Qual RL Diesel Range Organics [C10-C28] 1 0 ND Motor Oil Range Organics [C24-C36] ND 50 Surrogate % Rec Acceptance Limits Capric Acid (Surr) 0.2

p-Terphenyl 93 Lab Control Sample/

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

Method: 8015B Preparation: 3550B Silica Gel Cleanup

46 - 115

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

LCSD Lab Sample ID: LCSD 720-79235/3-A

Solid

10/05/2010 0642

10/04/2010 1427

1 0

Client Matrix:

Date Analyzed:

Date Prepared:

TestAmerica San Francisco

Dilution

Analyte

Analysis Batch: 720-79206 Instrument ID: CHDRO5 Prep Batch: 720-79235 1004105b 059.d Lab File ID: Units: mg/Kg Initial Weight/Volume: Final Weight/Volume: Injection Volume: Column ID: PRIMARY

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 1 uL

Injection Volume: Column ID:

% Rec. LCS LCSD Limit RPD RPD Limit LCS Qual LCSD Qual Diesel Range Organics [C10-C28] 83 85 45 - 115 1 Surrogate LCS % Rec LCSD % Rec Acceptance Limits p-Terphenyl 103 100 46 - 115

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

Instrument ID: CHDRO6

Lab File ID: FID1000012.D

Final Weight/Volume: 2 mL

Injection Volume: 1 uL

Initial Weight/Volume: 30.42 g

PRIMARY

MS Lab Sample ID: Client Matrix: Dilution: 1.0

Date Analyzed:

Date Prepared:

Date Prepared:

720-30865-A-3-D MS Solid

Analysis Batch: 720-79276

Prep Batch: 720-79235

10/05/2010 1125 10/04/2010 1427

MSD Lab Sample ID: 720-30865-A-3-E MSD Client Matrix: Solid Dilution: Date Analyzed:

10/04/2010 1427

10/05/2010 1147

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 uŁ Column ID: PRIMARY

Column ID:

| | % F | 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 % Re | | | stance Limits | |
| p-Terphenyl | | 93 | 93 | | | - 115 | |

| SIGNATURE: SIGNATURE. PRINTED NAME: PRINTED NAME: COMPANY: COMPANY: | ME 1-710 1800 | SIGNATURE: SIGNATURE: SIGNATURE: | , /10 | 10.T /4x/ | 21 | IQUISHED BY: DATE TIME | \$ 11:25 SR-76 | 50.11 | | 6 10:06 SB-06-3.0 | \$ 8h:8 | 3.48 | 37.8 | | 3 45 | 8:48 SB-10 | 1 513-10- 4.0 | THIS SE-10-10.5 | Z 7417 SP-10-9,0 " | 1 9/28/2010 730 SB-10-11.5 | | Trity Mission Trity Mission Mi | | LABORATU | | andard | RESULTS TO: A. PATTON LABORATORY ADDRESS: | | PROJECT NAME: CROWN CHEUROLET |
|--|------------------------|----------------------------------|---------------|-----------|---------|---|------------------|-------|----------------------------|-------------------|-------------------|--------|------|-----------------------------|------------------|------------------------|---------------------|---------------------|--------------------------|----------------------------|---------------------------------|--|----------|-----------------------------|--|--------|---|-------------------------|-------------------------------|
| | Men 128 180 PAH; by Pi | Mulay 7 Thuffely - | Not said "Joh | Take Co | the die | RECENSED BY: DATE TIME TOTAL NUMBER OF CONTAINERS | X | X | X | 20 S | × | × | × | X | X | X 33 05 | | X | × | \$\$ | TPHA PAN Chror | no * | ANALYSES | AT PHOME NUMBER: | LABORJORY CONTACT: HEADERTORY SHANISHINGER: | | Amu Geomatia | CLIENT INFORMATION: | C C C C |
| 2101 Webster Street, 12th Floor Oakland, California 94612-3066 Tel 510.663.4100 Fax 510.663.4141 | RIFOC SIM | toller | Pu 8260 | 7 | 42 | | \$ WN Name Y N 2 | 5 | 32 PRAMBER DE WN HCL T N 2 | aless jar SN | the 1 states to M | ۲ N | 2 | W N None Y N 1 Filter D las | m N 1-1-CT 4 N 1 | Amba Jan W 2 Har F 2 1 | IS NAME IN IN 1901d | SN wave y w, 1 Hold | SN None YN 1 Hold | of alass jar SN None YN 1 | Fillered Preserva Cooled MS/MSD | Water (W), or Other (C) stive Type |) | SITE SPECIFIC GLOBAL ID NO. | GEOTRACKER REQUIRED (YES) NO | | | REPORTING REQUIREMENTS: | DATE: 01/28/20 PAGE 1 OF 3 |

TestAmerica San Francisco

Page 25 of 29

11/05/2010

| PROJECT NAME: CROWN CHEUR PROJECT NUMBER: OB 10160070 | LABORATORY NAME: TARE | CLIENT INFORMATION: | DATE: 9/28/2010 PA | AGE 3 OF 3 |
|---|--|--|---|---|
| RESULTS TO: A - PATTON | LABORATORY ADDRESS: | Ance Geometrix | | |
| TURNAROUND TIME: Standard | | THE GENERAL | | |
| SAMPLE SHIPMENT METHOD | LABORATORY CONTACY: Af Sanch LABORATORY PHONE NUMBER: | | GEOTRACKER REQUIRED | (YES) NO |
| | LABORATORY PHONE NUMBER: | | SITE SPECIFIC GLOBAL ID NO. | |
| SAMPLERS (SIGNATURE): | ANAI | YSES | | |
| DX 6/ | Va. Teh, MBE Stex Teh, MBE Tehl Moot PAH Chromium | CON | AND SOI (S), Water (W) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A | MSWASD We of Companiers COMMENTS COMMENTS |
| DATE TIME NUMBER | PATT Chro | | Soil (S) W | SWISS S ADDITIONAL COMMENTS |
| 9/28/10 71:30 SB-05-0.7 | - XX | 8 ठर व | | NI |
| 11:35 58-05-7.0 | XX | | SN None Y | N 1 Hold |
| 15:28 SR-09-11.8 | XX | | S N None Y | WI |
| 15:30 58-09-60 | XX | | | NI HOLD |
| 16:01 513-03-1.3 | X | 40 m1 | van SNDIWAREY | N & HOLD |
| 16:01 58-03-1.3 | X | | S N Methon Y | NU |
| 15:58 53-03-2.8 | <u> X </u> | | S N DIWGEY | W 2 |
| 15:58 50-63-2.8 | \mathbb{X} | | S ~ Methunol T | WIL |
| 16:10 SB-03-3.2 | | | S N DIWHEY | N 2 |
| 16:10 50-03-3.2 | | 1 1 1 1 1 1 | S M Metranol Y | NI |
| 1640 SB-03-H.5 | | 40 mi | | N 2 |
| 16:40 SB-03-11.5 | | | , 19, 1, M | 1 1 |
| 16:55 513 -03-6.5 | | | S P DI Water 4 | 1-1-1-1-0- |
| 16:55 83-03-6.5 | BY AUX OJ | | S Melhanal T | N 1 1-64D |
| RELINQUISHED BY: DATE TO | E RECEIVED BY: | DATE TIME TOTAL NUMBER OF CON | TAINEDS: | 10 |
| SIGNATURE | SIGNOTURES // | OII SAMPLING COMMENTS: | 77112101 | 19 |
| PRINTED NAME: Greenskin 9/28/10 DOMPARY: Adaec Geomatrix | COMPANY VEL | 10 1722 Se | ix page 1 of 3 | |
| SIGNATURE WOHTH OF 19/18 PRINTED NAME: E-WO-thorz DOMPANY THE | SIGNATURE: PRINTED NAME: COMPANY: FAMILIA COMPANY: FAMILIA COMPANY: FAMILIA FAMILIA | 1/24/10 (800 | | |
| SIGNATURE: | SIGNATURE: | 2101 Webster S | Street, 12th Floor | |
| PRINTED NAME: | PRINTED NAME: | | rnia 94612-3066 | Geomatrix |

| PROJECT NAME: CROWN CHEUROLD | | - 30837 | DATE: 9/28 (2510 PAC | 3E 2 OF 3 |
|---|--|---|---|---|
| PROJECT NUMBER: 00 101 600 70 | LABORATORY NAME: TASF | CLIENT INFORMATION: | REPORTING REQUIREMENTS: | |
| RESULTS TO. A. Patton TURNAROUND TIME: 81 | LABORATORY ADDRESS: | AMER Germatrix | | |
| SAMPLE SHIPMENT METHOD: | LABORATORY CONTACT. | | | |
| OVER LE SHIP HELL INC. | LABORATORY CONTACT: | | GEOTRACKER REQUIRED | VES NO |
| | | | SITE SPECIFIC GLOBAL ID NO. | |
| SAMPLERS (SIGNATURE): | ANAL | YSES | | |
| SAMPLE | VOCTIH, MISS STEX TH, MISS TRHA/MO PAH CArconium | CONT | NOW NO | We of Containers ADDITIONAL COMMENTS |
| DATE TIME NUMBER | Chart Total | | AINER (S) Sol | ADDITIONAL COMMENTS |
| 9/28 11:05 SB-06 | | Poly 2 | | N 1 |
| 11:05 53-06 | | 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | v i |
| 11:55 813-12-12 | | 807-910 | 70 1 1 1 1 1 1 1 | w 1 |
| 12:05 813-05-11.5 | | | | VI |
| 13:40 SB-12 | | | | N2 |
| 3:40 36 2 | | 1 1 1 1 1 1 32 52 | 77.1061 1 | |
| | | | 00 7000 11 | 1 1112.6 (42) |
| 14:00 SB-09-3:0 | X X | +++++- | | |
| | XXX | Boz glass | | N 1 HOLD |
| 14:05 SB-09-4.9 | | ++++++ | | |
| 14:20 SB-05 | | | 1 113 - 113 | M 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| (4:29 | | | | N2 filterplab |
| ا مرءبارا | | | | N 2 |
| 14:90 | | | 70 117 011 | N) |
| 14:20 | | | WN None TO | V (|
| | TIBLEAUX 41h | 4 | | |
| | RECEIVED BY: | DATE TIME TOTAL NUMBER OF CONT. | AINERS: | 20 |
| SIGNATURE: DX G_C Qlass 4 | Signature, | 9/ SAMPLING COMMENTS: | | |
| PRINTED NAME Greenskin 9/29/18/19/ | PRINTED NAME: | 128/ 1722 See 0 | ca 2 1 d 3 | |
| COMPANY: GEOMATRIX | COMPANY: | 7 //01/ | 10ga 193 | |
| | SIGNATURE: Muller | | | |
| SIGNATURES / 10 1860 COMPANY: | PRINTED NAME: COMPANY: SIGNATURE: | 24/0 1800 | A1000 | |
| SIGNATURE: PRINTED NAME: | SIGNATURE: PRINTED NAME: | 2101 Webster Str Oakland, Californ | reet, 12th Floor nia 94612-3066 | Geomatrix |

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 Sampier'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 |

TestAmerica San Francisco

Samples do not require splitting or compositing.

Page 29 of 29

True



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

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.

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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 720-30837-3

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.



17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco

Project: 720-30837

1220 Quarry Lane

Pleasanton, CA 94566

Attention: Afsaneh Salimpour 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 vew weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sale use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, I 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

Page 3 of 9

ITK0500 < PAT 12/2010

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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 Project ID: 720-30837

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

Report Number: ITK0500

Sampled: 09/28/10 Received: 11/04/10

DISSOLVED METALS

| Analyte | Method | Batch | Reporting Limit | Sample Dilution Result Factor | | Date Analyzed | Data Qualifiers |
|--|---------------|---------|--------------------|----------------------------------|-----------|------------------|--------------------|
| Sample ID: 1TK0500-01 (SB-06 - Water) Reporting Units: ug/l Chromium | EPA 6020-Diss | 10K0590 | 2.0 | 2.3]-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 | |

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Steven Garcia Project Manager

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ITK0500 < Page 2 2/2010



17461 Derian Avenue, Suite 300, Tryine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane Project ID: 720-30837

Report Number: ITK0500

Sampled: 09/28/10 Received: 11/04/10

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

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-B | LKI) | | | | | | | | | |
| Chromium | ND | 2.0 | ug/l | | | | | | | |
| LCS Analyzed: 11/05/2010 (10K0590-BS | 1) | | | | | | | | | |
| Chromium | 74.4 | 2.0 | ug/l | 80.0 | | 93 | 80-120 | | | |
| Matrix Spike Analyzed: 11/05/2010 (10K | 0590-MS1) | | | | Source: I' | ГК0514-0 | 1 | | | |
| Chromium | 78.1 | 2.0 | ug/l | 80.0 | 3,32 | 94 | 75-125 | | | |
| Matrix Spike Dup Analyzed: 11/05/2010 | (10K0590-MS | SD1) | | | Source: I' | TK0514-0 | 1 | | | |
| Chromium | 80.6 | 2.0 | ug/l | 80.0 | 3.32 | 97 | 75-125 | 3 | 20 | |

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Steven Garcia Project Manager

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ITK0500 <PAY912/2010

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco

Attention: Afsaneh Salimpour

Project ID: 720-30837

Sampled: 09/28/10

1220 Quarry Lane Pleasanton, CA 94566

Report Number: ITK0500

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

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ITK0500 < Page 12/2010



17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane Project ID: 720-30837

Report Number: ITK0500

Sampled: 09/28/10 Received: 11/04/10

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

Certification Summary

TestAmerica Irvine

Method Matrix

4

Nelac

California

EPA 6020-Diss Water

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 using myringsfung om TestAmerica.

ITK0500 < Page 12/2010

| TestAmerica San Francisco 1220 Quary Lane PleaSanton, CA 94566 Phone (925) 484-1919 Fex (925) 600-3002 | | | C | Chain | of C | us | stoc | ły I | Re | coı | rd | | | | | | | | | TestA | mer | icc | |
|--|--------------------------------------|------------------|----------------------------|--|--|--------|----------------|----------|--------|------------|-------|-------------|-------------------------|--------|----------|------|---------|------|--------------|--|--------------------------|--------------|--|
| | Sampler: | | | | PM: impou | · Ate | anah | | | | | (| Carrier Tracking No(s): | | | | | | | COC No 720-10467.1 | | | |
| Cierry Contest | Phore: | | | 157 | 193 | | | | _ | _ | | ┪ | | | | | | | ţ | Fago | | | |
| Shipping/Receiving Company | afsaneh selimpour@testemericainc.com | | | | | | | | | | | Page 1 of 1 | | | | | | | | | | | |
| TestAmerica Laboratones, Inc | | | | | | | | | Ar | nalys | sis f | ₹eqι | est | ed | | | | _ | - 1 | 720-30837-3 | | | |
| Address 17451 Denan Ave. Suite 100. | Due Date Request | ed: | | | 1 | | | | | | | T | | -1 | | | | | 2 | Preservation Con A - HCt B - NaCH C - Zn Acetate | dos: M - Hexane | | |
| C ty. | TAT Requested (d. | hys): | | | T I | 20 5 | W | | | | | | | - 1 | | | | | 劚 | B-NICH | N - None O - AsNaO2 | | |
| Irvine State, Zo. | - | | | | | 1 | 10 | | | | ļ | | | - 1 | ļ | | | | | | | | |
| CA, 92614-5817 | | | | | | 9 | Ŕ | ì | | Н | - 1 | - 1 | | | - } | - 1 | | | | E - NaHSO4 F - NeOH | Q - Na2503 R - Na2525 | 03 | |
| Phone 349-261-1022(Tei) 949-261-1228(Fax) | PO #: | | | | 4 | | == | | | Ш | | - 1 | - | | | - | | | 2 | G - Amenior H - Ascerbic Acid | 5 - H2504 T - TSP Dod | deca hydraka | |
| Çmail | 1103 | | | | ၂체 | 9 | سَهَا تَا | | | | | | - 1 | ļ | | 1 | | | 20 | I - ICB J - CI Water | U - Acetone V - MCAA | | |
| Protect Name | Protect #: | | | | 1818 | | L | | | | | | | - 1 | | | | - 1 | 220 | K - EDTA | W-p14-5 | | |
| Crown Chevrolet | 72006900 | | | | _[위 | Ĭ | 9 | | | | | | | - 1 | | | | | 휌 | L-EDA | Z - citer (sp | esty) | |
| Ste. | SSO/W. | | | | T E | | i i | | | | | - { | - | | | | | - | of con | Other: | | | |
| | | Sample | Sample Type (Cocomp. | Matrix (resease s-sets, o-messant | Eleid Fifthind Sample (Yes or No) 7-1-20 | CONTRA | field filtered | | | | | | | | | | | | Total Number | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Time | G=grab) | \$1+Ture And | | | ā | | | | | | | | | | | | ō | Special In | structions | /Note: | |
| PROPERTY. | E C | > < | Preserv | ation Code: | W | XI. | 1000 | 140 | 4 | XX | 11 | b. | | 1 | | 2 | | \$ 1 | X | in the same | 111777 | | |
| SB-05 (720-30837-8) | 9/28/10 | 11:05 Pacific | | Water | П | 1 | ĸ | | | | | | | | | | | | 1 | | | | |
| SB-05 (720-30637-14) | 9/28/10 | 14:20 Pacific | | Water | Ш | , | × | 1 | | | | | | | | | | | · | | | | |
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| | | | | | Ш | | | L | L | | | | -5 | J | 'n | U | L | À | ű | | | 1_ | |
| | | | | | | | | L | _ | | | [| | | | | | | | | | | |
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| | | | - | | ++ | + | _ | T | | Н | П | 7 | T | 1 | | _ | | | 7 | | // | | |
| Possible Hazard Identification | | | | ٠ | | Samp | le Di | pos | I (A | /re | may. | be as | ses: | sed. | if se | mpl | os er | e re | ain | ed longer than ive For | 1 month) | | |
| Non-Hazard Flammable Skin Imitant Point Deliverable Requested: I. II. IV. Other (specify) | ton B <u>Unk</u> | nown L | Redictogic | a) | ٠, | Foori | Retur | n To | Cher | rt C Pa | L | D | (\$001 | tal B | yŁa | b | | | Arch | rve For | Month | š | |
| | | | | | | _ | OI HIS | iociic | N137 C | i ne | quire | | | | | | | _ | | | | | |
| Empty Kit Retinquished by: | | Date: | | | Ŧim | | | | | | | | | Metro | X1 0 1 5 | | | | | | | | |
| Rowinguestad by Arm Muller | 11-03-2 | 010 | 1630 | Compline | - | 181 | Devices | by. | | | | | | | | Cate | Time. | | | | Company | | |
| Reloquished by | Date/Time: | | | Company | | Pi | PONVPO | by | | | | | | | | | Work. | | Т | | Company | | |
| Reinquished by | Date/Time | | | Company | | A | bayiese | by: | Lυ | 0 | | 0, | 1 | | | Cale | 4/ | /,, | _ | 0:25 | Company | | |
| Custody Soals Intact. Custody Soal No.: | | | P | age 8 | of s | , c | color Te | moeis | OUTO(S | | | | arts | _ | | | | | | | 11/12/ | /2010 | |
| | | | | | · . | 1 | - 12 | - | - ' | | | | | | | | | | | | | | |

720.30837-3 120-30865-2

Page I of 4

Salimpour, Afsaneh

From: Stemler, Greg [Greg.Stemler@amec.com] Wednesday, November 03, 2010 3:46 PM Sent:

To: Salimpour, Afsaneh Patton, Avery

Subject: RE: EPA 7199

Afsaneh, Please do send the following samples to trvine: SB-05 (720-30837#14) SB-06 (720-30865#4) SB-03 (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, .

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11/12/2010



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

Akanaf Sal J

Approved for release Afsaneh Salimpour Project Manager I 11/5/2010 6:52 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.

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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

720-30865-1

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.

Job Narrative

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 T | 5.0 | ug/Kg | 8270C SIM |
| Silica Gel Cleanup Diesel Range Orga | | 1.1 | 0.99 | mg/Kg | 8015B |
| 720-30865-2 | SB-08 | | | | |
| Cr (VI) | | 1.1 | 0.50 | ug/L | 7199 |
| Dissolved Diesel Range Orga | nics [C10-C28] | 4252 JB | 52 | ug/L | 8015B |
| 720-30865-4 | SB-07 | | | | |
| Cr (VI) | | 1.7 | 0.50 | ug/L | 7199 |
| Silica Gel Cleanup Diesel Range Orga | | 10 J | 51 | ug/L | 8015B |
| Dissolved Diesel Range Orga | nics [C10-C28] | 28452 ЈВ | 52 | ug/L | 8015B |
| 720-30865-5 | SB-03 | | | | |
| Benzene Chlorobenzene 1,2-Dichlorobenzer 1,4-Dichlorobenzer cis-1,2-Dichloroethene Tetrachloroethene Trichloroethene | ne | 1.5 85 42 1.3 1.3 3.2 0.96 | 0.50 0.50 0.50 0.50 0.50 0.50 0.50 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS 8260B/CA_LUFTMS |

TestAmerica San Francisco

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11/05/2010

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.

TestAmerica San Francisco

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METHOD / ANALYST SUMMARY

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

| Method | Analyst | Analyst ID |
|--|-----------------------------|------------|
| SW846 8260B/CA_LUFTMS SW846 8260B/CA_LUFTMS | Chen, Amy Nguyen, Thuy M | AC 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 | 1 09/28/2010 1728 | 09/29/2010 1120 |

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11/05/2010

TestAmerica San Francisco

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Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: Lab Sample ID:

Client Matrix:

Method:

Dilution:

Preparation:

Date Analyzed:

SB-08-15.7

720-30865-1

Solid

09/30/2010 1455

Date Sampled: 09/29/2010 0815 Date Received: 09/29/2010 1120

CHMSV2

09301013.D

8260B/CA LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS 5035 Prep Batch: 720-79131 1.0

Instrument ID: Analysis Batch: 720-79012 Lab File ID: Initial Weight/Volume: 5.221 g

Final Weight/Volume: 10 mL

09/30/2010 0800 Date Prepared:

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

Surrogate %Rec Qualifier Acceptance Limits 4-Bromofluorobenzene 83 65 - 117 1,2-Dichloroethane-d4 (Surr) 100 73 - 140 Toluene-d8 (Surr) 87 72 - 113

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-08

Method:

Dilution:

Preparation:

Date Analyzed:

Lab Sample ID: Client Matrix:

720-30865-2 Water

10/01/2010 2146

Date Sampled: 09/29/2010 0900 Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

8260B/CA_LUFTMS Analysis Batch: 720-79119 5030B

Instrument ID: SAT 3900A Lab File ID: 30852A2 10-1-2010

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

1.0 10/01/2010 2146 Date Prepared:

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

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|------------------------------|------|-----------|-------------------|
| 4-Bromofluorobenzene | 98 | | 67 - 130 |
| 1,2-Dichloroethane-d4 (Surr) | 82 | | 67 - 130 |
| Toluene-d8 (Surr) | 89 | | 70 - 130 |

TestAmerica San Francisco Page 7 of 65 11/05/2010 Page 8 of 65 11/05/2010 TestAmerica San Francisco

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-03

Method: Preparation:

Lab Sample ID: 720-30865-5 Client Matrix:

Water

Date Sampled: 09/28/2010 1728 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 |

TestAmerica San Francisco Page 9 of 65 11/05/2010 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-03

Lab Sample ID:

Client Matrix:

720-30865-5 Water

Date Sampled: 09/28/2010 1728 Date Received: 09/29/2010 1120

8260B/CA_LUFTMS 8260B / CA LUFT MS

| Method: Preparation: | 8260B/CA_LUFTMS 5030B | Analysis Batch: 720-79361 | Instrument ID: Lab File ID: | HP5 100610009.D |
|-------------------------|--------------------------|---------------------------|--------------------------------|--------------------|
| Dilution: | 1.0 | | Initial Weight/Volume: | |
| 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-Tetrachlo | roethane | ND | | 0.50 |
| | | | | |

| 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 |

TestAmerica San Francisco Page 10 of 65

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-08-15.7 Lab Sample ID: 720-30865-1

Client Matrix:

2-Fluorobiphenyl

Terphenyl-d14

Date Sampled: 09/29/2010 0815 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:

| Analyte | DryWt Corrected: N | Result (ug/Kg) | Qualifier | RL |
|------------------------|--------------------|----------------|-----------|-------------------|
| Naphthalene | | 5.6 T _ | | 5.0 |
| Acenaphthene | | ND CCI | | 5.0 |
| Acenaphthylene | | ND UJ | | 5.0 |
| Fluorene | | ND U.J | | 5.0 |
| Phenanthrene | | ND WT | | 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 |

92 108 33 - 120 35 - 146

Analytical Data

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

| | | 8270C SI | M Semivolatile Organic Comp | ounds (G | C/MS SIM) | |
|--|---|----------|--|--------------|--|---|
| Method: Preparation: Dilution: Date Analyzed: Date Prepared: | 8270C SIM 3510C 1.0 10/05/2010 10/01/2010 | | Analysis Batch: 720-79296 Prep Batch: 720-79141 | L Ir F | nstrument ID: ab File ID: nitial Weight/Volume: inal Weight/Volume: njection Volume: | SVOA HP 4 10051007.D 970 mL 1 mL 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]anthrace | ene | | ND | | | 0.10 |
| Chrysene | | | ND | | | 0.10 |
| Benzo[a]pyrene | | | ND | | | 0.10 |
| Benzo[b]fluoranth | | | ND | | | 0.10 |
| Benzo[k]fluoranth | nene | | ND | | | 0.10 |
| Benzo[g,h,i]peryle | ene | | NDLET | | | 0.10 |
| Indeno[1,2,3-cd]p | yrene | | ND early | | | 0.10 |
| Fluoranthene | | | ND | | | 0.10 |
| Pyrene | | | ND _ | | | 0.10 |
| Dibenz(a,h)anthra | acene | | ND WJ | | | 0.10 |
| Surrogate | | | %Rec | Qualifier | Acceptan | ice Limits |
| 2-Fluorobiphenyl | | , | 63 | | 29 - 120 | |
| Terphenyl-d14 | | | 99 | | 45 - 120 | |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07-13.2

Lab Sample ID: 720-30865-3 Client Matrix:

Date Sampled: 09/29/2010 0930

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: | 100110026.0 |
| Dilution: | 1.0 | | Initial Weight/Volume: | 30.16 a |
| 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 U J | | 5.0 |
| Acenaphthene | | NDUT | | 5.0 |
| Acenaphthylene | | ND UJ | | 5.0 |
| Fluorene | | ND UJ | | 5.0 |
| Phenanthrene | | ND UT | | 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 |
| | | | | |

| Dibenz(a,h)anthracene | ND | | 5.0 |
|-----------------------|------|-----------|-------------------|
| Diberiz(a,rr)ammacene | ND | | 5.0 |
| Surrogate | %Rec | Qualifier | Acceptance Limits |
| 2-Fluorobiphenyl | 91 | | 33 - 120 |
| Terohenyl d14 | 104 | | 25 440 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID:

Client Matrix:

720-30865-4 Water

Date Sampled: 09/29/2010 1000

Date Received: 09/29/2010 1120

| 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: 1 mL Date Analyzed: 10/05/2010 1253 Final Weight/Volume: 1 mL Date Prepared: 10/01/2010 1436 Result (ug/L) Qualifier RL Analyte Result (ug/L) Qualifier RL Naphthalene ND 0.10 Acenaphthene ND 0.10 Acenaphthylene ND 0.10 Fluorene ND 0.10 Fluorene ND 0.10 Phenanthrene ND 0.10 Anthracene ND 0.10 Benzo[a]anthracene ND 0.10 ND 0.10 Benzo[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[a, hi]pprylene ND | | 8270 | C SIM Semivolatile Organic Comp | ounds (GC/MS S | M) | | |
|---|---|---------------------------------|---------------------------------|------------------------------------|-------------------------------------|------------------------------|--|
| 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 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 65 29 - 120 | Preparation: Dilution: Date Analyzed: | 3510C 1.0 10/05/2010 1253 | | Lab File Initial We Final We | ID: ight/Volume: ight/Volume: | 10051008.D 990 mL 1 mL | |
| Acenaphthene | Analyte | | Result (ug/L) | Qualifier | | RL | |
| Acenaphthylene | Naphthalene | ······· | ND | | | 1.0 | |
| Fluorene | Acenaphthene | | ND | | | 0.10 | |
| Phenanthrene | Acenaphthylene | | ND | | | 0.10 | |
| Anthracene ND 0.10 Benzo[a]anthracene ND 0.10 Chrysene ND 0.10 Benzo[a]pyrene ND 0.10 Benzo[a]pyrene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[b]fluoranthene ND 0.10 Benzo[a],n]perylene ND 0.10 Indeno[1.2,3-cd]pyrene ND 0.10 Indeno[1.2,3-cd]pyrene ND 0.10 Fluoranthene ND 0.10 Fluoranthene ND 0.10 Surrogate ND 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | Fluorene | | ND | | | 0.10 | |
| Benzo[a]anthracene | Phenanthrene | | 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 65 29 - 120 | Anthracene | | ND | | | 0.10 | |
| Benzo[a]pyrene | Benzo[a]anthracene | | ND | | 0.10 | | |
| Benzo[b]fluoranthene | Chrysene | | ND | | | 0.10 | |
| Benzo[k]fluoranthene | Benzo[a]pyrene | | ND | | | 0.10 | |
| Benzo[g,h,i]perylene ND LL 0.10 Indeno[1,2,3-cd]pyrene ND LL 0.10 Fluoranthene ND .0.10 0.10 Pyrene ND .0.10 0.10 Dibenz(a,h)anthracene ND .0.10 0.10 Surrogate %Rec | | | ND | | 0.10 | | |
| Indeno[1,2,3-cd]pyrene ND KJ 0.10 Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND LJ 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | Benzo[k]fluoranthene | | | | | 0.10 | |
| Fluoranthene ND 0.10 Pyrene ND 0.10 Dibenz(a,h)anthracene ND 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | Benzo[g,h,i]perylene | | | | | 0.10 | |
| Pyrene ND Dibenz(a,h)anthracene ND Dibenz(a,h)anthracene 0.10 ND Dibenz(a,h)anthracene Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | Indeno[1,2,3-cd]pyrene | | | r | | 0.10 | |
| Dibenz(a,h)anthracene ND LT 0.10 Surrogate %Rec Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | Fluoranthene | | ND | | 0.10 | | |
| Surrogate %Rec ·· Qualifier Acceptance Limits 2-Fluorobiphenyl 65 29 - 120 | | | | | | 0.10 | |
| 2-Fluorobiphenyl 65 29 - 120 | Dibenz(a,h)anthr | асепе | ND CC | | | 0.10 | |
| | Surrogate | | %Rec | Qualifier | Acceptan | ce Limits | |
| Trust 144 | 2-Fluorobiphenyl | | 65 | | 29 - 120 | | |
| rerpnenyi-d14 101 45 - 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:

Client Matrix:

720-30865-1 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 PRIMARY Result Type: 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 46 - 115

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-08

Lab Sample ID:

Client Matrix:

Method:

720-30865-2 Water

8015B

Motor Oil Range Organics [C24-C36]

Date Sampled: 09/29/2010 0900 Date Received: 09/29/2010 1120

CHDRO5

RL

51

310

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

Instrument ID:

130

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 Diesel Range Organics [C10-C28] 10

ND

Surrogate %Rec Qualifier Acceptance Limits Capric Acid (Surr) 0.07 0-5 p-Terphenyl 93 31 - 150

Analysis Batch: 720-79523

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-08

Lab Sample ID:

Method:

Dilution:

Preparation:

720-30865-2

Client Matrix: Water Date Sampled: 09/29/2010 0900 Date Received: 09/29/2010 1120

CHDRO5

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

8015B

3510C SGC 1.0

Date Analyzed: 10/04/2010 1129 Date Prepared: 10/01/2010 1004 Prep Batch: 720-79118

Instrument ID: Initial Weight/Volume: 960 mL Final Weight/Volume: 2 mL

Injection Volume: 1 uL Result Type: PRIMARY

Analyte Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36]

Result (ug/L) 127152

Analysis Batch: 720-79205

Qualifier MDL JΒ 11 130

Qualifier

RL 52 310

Surrogate %Rec Capric Acid (Surr) 0.3 p-Terphenyl 87

Acceptance Limits 0 - 5 31 - 150

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07-13.2

Lab Sample ID: Client Matrix:

720-30865-3

8015B

1.0

Solid

10/05/2010 1209

10/04/2010 1427

Date Sampled: 09/29/2010 0930 Date Received: 09/29/2010 1120

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

Method: 3550B Preparation:

Dilution:

Date Analyzed:

Date Prepared:

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

Instrument ID:

CHDRO6 Initial Weight/Volume: 30.12 g

Final Weight/Volume: 2 mL Injection Volume:

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 Capric Acid (Surr) %Rec Qualifier Acceptance Limits 0.03 0 - 5 p-Terphenyl 82 46 - 115

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Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID: 720-30865-4

Client Matrix: Water Date Sampled: 09/29/2010 1000 Date Received: 09/29/2010 1120

310

130

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

Method: 8015B Analysis Batch: 720-79523 Instrument ID: CHDRO5 3510C SGC Preparation: 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 Diesel Range Organics [C10-C28] Motor Oil Range Organics [C24-C36] 10 **J** 10 51

| Surrogate | %Rec | Qualifier | Acceptance Limits |
|--------------------|------|-----------|-------------------|
| Capric Acid (Surr) | 0.2 | | 0 - 5 |
| p-Terphenyl | 100 | | 31 - 150 |

Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Client Sample ID: SB-07

Lab Sample ID: Client Matrix:

Water

720-30865-4

Date Sampled: 09/29/2010 1000 Date Received: 09/29/2010 1120

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

JB

Method: 8015B Preparation: 3510C SGC Dilution: 10 Date Analyzed: 10/04/2010 1152 Analysis Batch: 720-79205 Prep Batch: 720-79118

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

Date Prepared: 10/01/2010 1004 Analyte Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C24-C36]

Result (ug/L) 18 652

MDL Qualifier RL 11 52 130 310

Surrogate %Rec Qualifier Acceptance Limits Capric Acid (Surr) 0 - 5 p-Terphenyl 97 31 - 150

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Analytical Data

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

General Chemistry

Client Sample ID: SB-08

Client Matrix:

Analyte

Cr (VI)

Lab Sample ID: 720-30865-2

Water

Date Sampled: 09/29/2010 0900 Date Received: 09/29/2010 1120

Result

Qual Units ug/L

0.50

Dil Method 1.0 7199

1.1 Analysis Batch: 720-79060 Date Analyzed: 09/29/2010 1623 **Analytical Data**

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

General Chemistry

Client Sample ID: SB-07

Lab Sample ID: Client Matrix:

Analyte

Cr (VI)

720-30865-4

Date Sampled: 09/29/2010 1000 Date Received: 09/29/2010 1120

ug/L

Dil Method 0.50 1.0 7199

Analysis Batch: 720-79060 Date Analyzed: 09/29/2010 1633

1.7

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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 | | |
| | В | 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. |

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Quality Control Results

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:720-790 |)12 | | | | |
| LCS 720-79131/2-A | Lab Control Sample | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| LCS 720-79131/4-A | Lab Control Sample | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| LCSD 720-79131/3-A | Lab Control Sample Duplicate | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| LCSD 720-79131/5-A | Lab Control Sample Duplicate | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| MB 720-79131/1-A | Method Blank | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| 720-30865-1 | SB-08-15.7 | Т | Solid | 8260B/CA_LUFT | 720-79131 |
| Analysis Batch:720-791 | 119 | | | | |
| LCS 720-79119/7 | Lab Control Sample | Т | Water | 8260B/CA LUFT | |
| LCS 720-79119/9 | Lab Control Sample | T | Water | 8260B/CA LUFT | |
| LCSD 720-79119/10 | Lab Control Sample Duplicate | Ŧ | 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 | Т | Solid | 5035 | |
| LCS 720-79131/4-A | Lab Control Sample | · T | Solid | 5035 | |
| LCSD 720-79131/3-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| LCSD 720-79131/5-A | Lab Control Sample Duplicate | Т | Solid | 5035 | |
| MB 720-79131/1-A | Method Blank | Т | Solid | 5035 | |
| 720-30865-1 | SB-08-15.7 | Т | Solid | 5035 | |
| Analysis Batch:720-793 | 861 | | | | |
| LCS 720-79361/5 | Lab Control Sample | Т | Water | 8260B/CA LUFT | |
| LCS 720-79361/7 | Lab Control Sample | Т | Water | 8260B/CA LUFT | |
| LCSD 720-79361/6 | Lab Control Sample Duplicate | Т | Water | 8260B/CA LUFT | |
| LCSD 720-79361/8 | Lab Control Sample Duplicate | Т | Water | 8260B/CA_LUFT | |
| MB 720-79361/4 | Method Blank | Т | · Water | 8260B/CA_LUFT | |
| 720-30865-5 | SB-03 | Т | Water | 8260B/CA_LUFT | |
| 720-30913-B-15 MS | | | | | |
| | Matrix Spike | T | Water | 8260B/CA_LUFT | |

Report Basis T = Total

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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 | | | | | |
| .CS 720-79044/2-A | Lab Control Sample | Т | Solid | 3550B | |
| .CSD 720-79044/3-A | Lab Control Sample Duplicate | Ŧ | Solid | 3550B | |
| MB 720-79044/1-A | Method Blank | T | Solid | 3550B | |
| 20-30865-1 | SB-08-15.7 | Т | Solid | 3550B | |
| 20-30865-3 | SB-07-13.2 | т | Solid | 3550B | |
| 20-30865-3MS | Matrix Spike | T | Solid | 3550B | |
| 20-30865-3MSD | Matrix Spike Duplicate | Т | Solid | 3550B | |
| Analysis Batch:720-791 | 21 | | | | |
| CS 720-79044/2-A | Lab Control Sample | Т | Solid | 8270C SIM | 720-79044 |
| CSD 720-79044/3-A | Lab Control Sample Duplicate | T | Solid | 8270C SIM | 720-79044 |
| 1B 720-79044/1-A | Method Blank | Т | Solid · | 8270C SIM | 720-79044 |
| 20-30865-1 | SB-08-15.7 | Т | Solid | 8270C SIM | 720-79044 |
| 20-30865-3 | SB-07-13.2 | Т | Solid | 8270C SIM | 720-79044 |
| 20-30865-3MS | Matrix Spike | Т | Solid | 8270C SIM | 720-79044 |
| 20-30865-3MSD | Matrix Spike Duplicate | Т | Solid | 8270C SIM | 720-79044 |
| Prep Batch: 720-79141 | | | | | |
| CS 720-79141/2-A | Lab Control Sample | Т | Water | 3510C | |
| CSD 720-79141/3-A | Lab Control Sample Duplicate | T | Water | 3510C | |
| /IB 720-79141/1-A | Method Blank | T | Water | 3510C | |
| 20-30865-2 | SB-08 | Ŧ | Water | 3510C | |
| 20-30865-4 | SB-07 | Т | Water | 3510C | |
| 20-30865-4MS | Matrix Spike | T | Water | 3510C | |
| 20-30865-4MSD | Matrix Spike Duplicate | Т | Water | 3510C | |
| Analysis Batch:720-792 | 26 | | | | |
| CS 720-79141/2-A | Lab Control Sample | Т | Water | 8270C SIM | 720-79141 |
| CSD 720-79141/3-A | Lab Control Sample Duplicate | Т | Water | 8270C SIM | 720-79141 |
| 1B 720-79141/1-A | Method Blank | Т | Water | 8270C SIM | 720-79141 |
| 20-30865-4MS | Matrix Spike | Т | Water | 8270C SIM | 720-79141 |
| 20-30865-4MSD | Matrix Spike Duplicate | Т | Water | 8270C SIM | 720-79141 |
| Analysis Batch:720-792 | 96 | | | | |
| 20-30865-2 | SB-08 | Т | Water | 8270C SIM | 720-79141 |
| | | Ť | | | |

Report Basis T = Total

TestAmerica San Francisco

Quality Control Results

Job Number: 720-30865-1

Client: AMEC Geomatrix Inc.

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:720-79 | 205 | | | | |
| 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:720-79 | 206 | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 8015B | 720-79235 |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 8015B | 720-79235 |
| MB 720-79235/1-A | Method Blank | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-79235 | | | | | |
| LCS 720-79235/2-A | Lab Control Sample | Α | Solid | 3550B | |
| LCSD 720-79235/3-A | Lab Control Sample Duplicate | Α | Solid | 3550B | |
| MB 720-79235/1-A | Method Blank | Α | Solid | 3550B | |
| 720-30865-1 | SB-08-15.7 | Α | Solid | 3550B | |
| 720-30865-3 | SB-07-13.2 | Α | Solid | 3550B | |
| 720-30865-3MS | Matrix Spike | Α | Solid | 3550B | |
| 720-30865-3MSD | Matrix Spike Duplicate | Α | Solid | 3550B | |
| Analysis Batch:720-79 | 276 | | | | |
| 720-30865-1 | SB-08-15.7 | Α | Solid | 8015B | 720-79235 |
| 720-30865-3 | SB-07-13.2 | Α | Solid | 8015B | 720-79235 |
| 720-30865-3MS | Matrix Spike | Α | Solid | 8015B | 720-79235 |
| 720-30865-3MSD | Matrix Spike Duplicate | Α | Solid | 8015B | 720-79235 |
| Prep Batch: 720-79462 | | | | | |
| LCS 720-79462/2-A | Lab Control Sample | Α | Water | 3510C SGC | |
| LCSD 720-79462/3-A | Lab Control Sample Duplicate | Α | Water | 3510C SGC | |
| MB 720-79462/1-A | Method Blank | Α | Water | 3510C SGC | |
| 720-30865 - 2 | SB-08 | Α | Water | 3510C SGC | |
| 720-30865-4 | SB-07 | Α | Water | 3510C SGC | |
| 720-30865-4MS | Matrix Spike | Α | Water | 3510C SGC | |
| 720-30865-4MSD | Matrix Spike Duplicate | Α | Water | 3510C SGC | |

TestAmerica San Francisco

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | | 88 - 42 | December 1 |
|--|--|----------------------------|---|--|------------|
| Lau Sample ID | Client Sample ID | Dasis | Client Matrix | Method | Prep Batch |
| GC Semi VOA | | | | | |
| Analysis Batch:720-795 | 23 | | | | |
| 720-30865-2 | SB-08 | Α | Water | 8015B | 720-79462 |
| 720-30865-4 | SB-07 | Α | Water | 8015B | 720-79462 |
| 720-30865-4MS | Matrix Spike | Α | Water | 8015B | 720-79462 |
| 720-30865-4MSD | Matrix Spike Duplicate | Α | Water | 8015B | 720-79462 |
| Analysis Batch:720-795 | 24 | | | | |
| LCS 720-79462/2-A | Lab Control Sample | Α | Water | 8015B | 720-79462 |
| LCSD 720-79462/3-A | Lab Control Sample Duplicate | Α | Water | 8015B | 720-79462 |
| MB 720-79462/1-A | Method Blank | Α | Water | 8015B | 720-79462 |
| Report Basis D = Dissolved A = Silica Gel Cleanup | | | | | |
| General Chemistry | | | | | |
| Analysis Batch:720-790 LCS 720-79060/3 LCSD 720-79060/4 MB 720-79060/2 720-30859-A-1 MS 720-30859-A-1 MSD 720-30865-2 720-30865-4 | Lab Control Sample Lab Control Sample Duplicate Method Blank Matrix Spike Matrix Spike Duplicate SB-08 SB-07 | T T T T T T | Water Water Water Water Water Water Water | 7199 7199 7199 7199 7199 7199 7199 | |

Report Basis T = Total

TestAmerica San Francisco

Client: AMEÇ Geomatrix Inc.

Lab Sample ID: MB 720-79119/6

1.0

Date Analyzed: 10/01/2010 1237

Date Prepared: 10/01/2010 1237

Client Matrix: Water

Dilution:

Method Blank - Batch: 720-79119

Quality Control Results

Job Number: 720-30865-1

Method: 8260B/CA_LUFTMS Preparation: 5030B

Instrument ID: SAT 3900A

Lab File ID: MB 10-1-2010 12;37;45 PN 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 | | nce Limits |
| 4-Bromofluorobenzene | 100 | 67 - | |
| 1,2-Dichloroethane-d4 (Surr) | 88 | 67 - | 130 |
| Toluene-d8 (Surr) | 89 | 70 - | 130 |

Analysis Batch: 720-79119

Prep Batch: N/A

Units: ug/L

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

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Lab File ID: LCS 10-1-2010 1;03;14 PN

Instrument ID: SAT 3900A

LCS Lab Sample ID: LCS 720-79119/7 Client Matrix: Water

Dilution:

1.0

Date Analyzed: Date Prepared: Analysis Batch: 720-79119 Prep Batch: N/A

Units: ug/L

10/01/2010 1303 10/01/2010 1303

LCSD Lab Sample ID: LCSD 720-79119/8 Water

Client Matrix: Dilution:

10 Date Analyzed:

10/01/2010 1328 10/01/2010 1328 Date Prepared:

Units: ug/L

Analysis Batch: 720-79119 Prep Batch: N/A

Lab File ID: LCSD 10-1-2010 1;28;41 PN Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Instrument ID: SAT 3900A

| <u>% Rec.</u> | | | | | | | | |
|------------------------------|-----|----------|----------|-----|-----------|---------------|---|--|
| Analyte | LCS | 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 | | CS % Rec | LCSD % | | | otance Limits | | |
| 4-Bromofluorobenzene | 9 | | 91 | | 67 - 130 | | | |
| 1,2-Dichloroethane-d4 (Surr) | 8 | 8 | 84 | | 6 | 7 - 130 | | |
| Toluene-d8 (Surr) | 9 | 4 | 91 | | 7 | 0 - 130 | | |

Quality Control Results Job Number: 720-30865-1

Client: AMEC Geomatrix Inc.

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: Dilution:

Water 10

Date Analyzed:

Date Prepared:

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution:

10/01/2010 1354

LCSD Lab Sample ID: LCSD 720-79119/10

Water

1.0

Prep Batch: N/A

Prep Batch: N/A

Units: ug/L

10/01/2010 1354

10/01/2010 1419

10/01/2010 1419

Analysis Batch: 720-79119

Analysis Batch: 720-79119

Units: ug/L

Lab File ID: LCS G 10-1-2010 1;54;05 I Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

Instrument ID: SAT 3900A

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 | LCS | <u>6 Rec.</u> LCSD | Limit | RPD" | RPD Limit | LCS Qual | LCSD Qual |
|--------------------------------------|-----|-----------------------|----------|------|-----------|--------------|-----------|
| Gasoline Range Organics (GRO)-C5-C12 | 94 | 91 | 62 - 117 | 4 | 20 | | |
| Surrogate | | .CS % Rec | LCSD % | | | tance Limits | |
| 4-Bromofluorobenzene | | 5 | 100 | | | 7 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 8 | 7 | 89 | | 6 | 7 - 130 | |
| Toluene-d8 (Surr) | 9 | 7 | 90 | | 7 | 0 - 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

Prep Batch: N/A

Prep Batch: N/A

Analysis Batch: 720-79119 Instrument ID: SAT 3900A

MS Lab Sample ID: 720-30852-A-14 MS Client Matrix: Water Dilution: 1.0

Lab File ID: 30852A14MS 10-1-2010

Date Analyzed: 10/01/2010 1749 Date Prepared: 10/01/2010 1749 Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30852-A-14 MSD Analysis Batch: 720-79119

Client Matrix: Water Dilution: 1.0

Instrument ID: SAT 3900A Lab File ID: 30852A14MSD 10-1-2010

Date Analyzed: 10/01/2010 1814 Initial Weight/Volume; 10 mL

Date Prepared:

10/01/2010 1814

Final Weight/Volume: 10 mL

| <u>% Rec.</u> | | | | | | | | |
|------------------------------|----|----------|-----------|-----|-----------|-------------|----------|--|
| Analyte | 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 | | | eptance Lim | | |
| 4-Bromofluorobenzene | | 90 | 90 | | | 7 - 130 | | |
| 1,2-Dichloroethane-d4 (Surr) | | 84 | 87 | | 6 | 7 - 130 | | |
| Toluene-d8 (Surr) | | 90 | 92 | | 7 | 0 - 130 | | |

Quality Control Results

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

Analysis Batch: 720-79012 Prep Batch: 720-79131

Instrument ID: CHMSV2

Client Matrix: Solid Dilution:

Date Analyzed: 09/30/2010 1010 Date Prepared: 09/30/2010 0800

Units: ug/Kg

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 Limit | s |
| 4-Bromofluorobenzene | 90 | 65 - 117 | |
| 1,2-Dichloroethane-d4 (Surr) | 101 | 73 - 140 | |
| Toluene-d8 (Surr) | 89 | 72 - 113 | |

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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

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

09/30/2010 0800

Date Analyzed: 09/30/2010 1041

Date Prepared:

LCSD Lab Sample ID: LCSD 720-79131/3-A Client Matrix: Solid

Dilution: Date Analyzed: 09/30/2010 1112 09/30/2010 0800 Date Prepared:

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

| | 2 | 6 Rec. | | | | | |
|------------------------------|-----|-----------|----------|-----|-----------|--------------|-----------|
| Analyte | LCS | 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 | | .CS % Rec | LCSD % | Rec | | tance Limits | i |
| 4-Bromofluorobenzene | | 5 | 95 | | | 5 - 117 | |
| 1,2-Dichloroethane-d4 (Surr) | 9 | 16 | 97 | | 7 | 3 - 140 | |
| Toluene-d8 (Surr) | 9 | 1 | 91 | | 7 | 2 - 113 | |

Quality Control Results

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 Solid 1.0

Client Matrix: Dilution: Date Analyzed: Date Prepared: 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 Solid

09/30/2010 1144

09/30/2010 0800

Client Matrix: Dilution:

1.0

Date Analyzed: Date Prepared:

09/30/2010 1215 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

% Rec. Analyte LCS LCSD RPD Limit LCS Qual LCSD Qual Limit 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) 73 - 140 102 103 72 - 113 Toluene-d8 (Surr) 92 92

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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

Analysis Batch: 720-79361 Prep Batch: N/A

Units: ug/L

Instrument ID: HP5

Dilution:

Lab File ID: 100610004.D

Date Analyzed: 10/06/2010 1118

Date Prepared: 10/06/2010 1118

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 | NĐ | | 0.50 |
| cis-1,3-Dichloropropene | NĎ | | 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 |
| | | | |

TestAmerica San Francisco Page 35 of 65 11/05/2010 **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

Analysis Batch: 720-79361 Prep Batch: N/A

Instrument ID: HP5 Lab File ID: 100610004.D

Dilution: 1,0 Units: ug/L

Initial Weight/Volume: 10 mL

Date Analyzed: 10/06/2010 1118

Date Prepared: 10/06/2010 1118

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 | |

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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

Lab File ID: 100610005.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Instrument ID: HP5

LCS Lab Sample ID: LCS 720-79361/5 Client Matrix:

Water

1.0

Dilution: Date Analyzed: 10/06/2010 1151 Date Prepared: 10/06/2010 1151 Analysis Batch: 720-79361 Prep Batch: N/A Units: ug/L

LCSD Lab Sample ID: LCSD 720-79361/6 Client Matrix; Water

Dilution: Date Analyzed:

10/06/2010 1223 Date Prepared: 10/06/2010 1223 Prep Batch: N/A

Units: ug/L

Analysis Batch: 720-79361 Instrument ID: HP5 Lab File ID: 100610006.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

| | <u>9</u> | <u>6 Rec.</u> | | | | | |
|-----------------------------|----------|---------------|----------|-----|-----------|----------|-----------|
| Analyte | LCS | 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 | | |

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Quality Control Results Job Number: 720-30865-1

Client: AMEC Geomatrix Inc.

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 720-79361

LCS Lab Sample ID: LCS 720-79361/5

Client Matrix: Water Dilution: 1.0 10/06/2010 1151

Date Analyzed: 10/06/2010 1151

Date Prepared:

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

Analysis Batch: 720-79361 Prep Batch: N/A

Units: ug/L

Instrument ID: HP5 Lab File ID: 100610006.D

Preparation: 5030B

Lab File ID: 100610005.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Instrument ID: HP5

Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

Method: 8260B/CA LUFTMS

| | % | Rec. | | | | | |
|---------------------------------------|-----|------|----------|-----|-----------|----------|-----------|
| Analyte | LCS | 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 | | |

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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

10/06/2010 1151

Date Prepared:

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: ua/L

Instrument ID: HP5 Lab File ID: 100610006.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

| | 9 | 6 Rec. | | | | | |
|------------------------------|-----|----------|----------|-----|----|--------------|-----------|
| Analyte | LCS | LCSD | Limit | RPD | | | LCSD Qual |
| 2,2-Dichloropropane | 109 | 112 | 70 - 140 | 3 | 20 | | |
| Surrogate | | CS % Rec | LCSD % | | | tance Limits | |
| 4-Bromofluorobenzene | | 01 | 106 | | | 7 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 1 | 04 | 106 | | 6 | 7 - 130 | |
| Toluene-d8 (Surr) | 9 | 9 | 99 | | 7 | 0 - 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 Client Matrix: Water Dilution:

Date Prepared:

Date Prepared:

1.0 Units: ua/L 10/06/2010 1256 Date Analyzed: 10/06/2010 1256

10/06/2010 1328

Analysis Batch: 720-79361 Instrument ID: HP5 Prep Batch: N/A Lab File ID: 100610007.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 720-79361/8 Client Matrix: Water Dilution: 1.0 Date Analyzed: 10/06/2010 1328

Analysis Batch: 720-79361 Prep Batch: N/A Units: ug/L

Instrument ID: HP5 Lab File ID: 100610008.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

| | 9 | 6 Rec. | | | | | |
|--------------------------------------|-----|----------|----------|-----|-----------|--------------|-----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Gasoline Range Organics (GRO)-C5-C12 | 93 | 91 | 62 - 117 | 2 | 20 | | P |
| Surrogate | | CS % Rec | LCSD % | | Accep | tance Limits | |
| 4-Bromofluorobenzene | | 04 | 107 | | | 7 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | 1 | 80 | 111 | | 6 | 7 - 130 | |
| Toluene-d8 (Surr) | 1 | 00 | 99 | | 7 | 0 - 130 | |

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Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/

Client Matrix:

Date Analyzed:

Date Prepared:

Client Matrix:

Date Prepared:

Dilution:

Dilution:

Matrix Spike Duplicate Recovery Report - Batch: 720-79361

Method: 8260B/CA LUFTMS Preparation: 5030B

Water

MS Lab Sample ID: 720-30913-B-15 MS Analysis Batch: 720-79361

Prep Batch: N/A

Lab File ID: 100610017.D Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

10/06/2010 1832

10/06/2010 1832

MSD Lab Sample ID: 720-30913-B-15 MSD Analysis Batch: 720-79361

Water

1.0

1.0

Date Analyzed:

Prep Batch: N/A

Lab File ID: 100610018.D

Instrument ID: HP5

Instrument ID: HP5

Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

10/06/2010 1905 10/06/2010 1905

% Rec. Analyto DDD DDD Limit MO O.-- I MOD O.--

| Analyte | MS | 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-Chlorotaluene | 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 | | |
| | | | | | | | |

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Quality Control Results Job Number: 720-30865-1

Client: AMEC Geomatrix Inc.

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-79361

MS Lab Sample ID: 720-30913-B-15 MS Analysis Batch: 720-79361

Client Matrix: Dilution: Date Analyzed: Date Prepared:

Date Analyzed:

Date Prepared:

Water 1.0

10/06/2010 1832

10/06/2010 1832

MSD Lab Sample ID: 720-30913-B-15 MSD

Client Matrix: Water Dilution: 1.0

10/06/2010 1905 10/06/2010 1905 Prep Batch: N/A

Analysis Batch: 720-79361

Prep Batch: N/A

Lab File ID: 100610018.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

Method: 8260B/CA_LUFTMS

Lab File ID: 100610017.D

Initial Weight/Volume: 10 mL

Final Weight/Volume: 10 mL

Preparation: 5030B

Instrument ID: HP5

Instrument ID: HP5

| | <u>%</u> | Rec. | | | | | |
|---------------------------------------|----------|------|----------|-----|-----------|---------|---------|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qua |
| 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 | Ō | 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-isopropyitoluene | 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 | | |

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11/05/2010

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 10/06/2010 1832

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 Analysis Batch: 720-79361

Dilution:

Date Analyzed:

Date Prepared:

Client Matrix: Water Dilution:

1.0 Date Analyzed: 10/06/2010 1905 10/06/2010 1905 Date Prepared:

Prep Batch: N/A

Instrument ID: HP5 Lab File ID: 100610018.D Initial Weight/Volume: 10 mL Final Weight/Volume: 10 mL

| | <u>%</u> | Rec. | | | | | |
|------------------------------|----------|----------|----------|-------|-----------|-------------|----------|
| Analyte | MS | 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 9 | % Rec | Acc | eptance Lim | its |
| 4-Bromofluorobenzene | | 106 | 102 | | 6 | 37 - 130 | |
| 1,2-Dichloroethane-d4 (Surr) | | 106 | 106 | | ē | 7 - 130 | |
| Toluene-d8 (Surr) | | 99 | 99 | | 7 | 0 - 130 | |

Quality Control Results

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

Date Prepared: 09/30/2010 1137

Dilution: 1.0 Date Analyzed: 10/01/2010 1725 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 | | ptance Limits |
| 2-Fluorobiphenyl | 90 | | 33 - 120 |
| Terphenyl-d14 | 106 | | 35 - 146 |

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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

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

Date Analyzed: 10/01/2010 1639 Date Prepared: 09/30/2010 1137 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:

Analysis Batch: 720-79121 Prep Batch: 720-79044

Units: ug/Kg

Lab File ID: 100110017.D Initial Weight/Volume: 30.06 g Final Weight/Volume: 1 mL Injection Volume;

Instrument ID: HP # 3

09/30/2010 1137

| | 9 | <u> 6 Rec.</u> | | | | | |
|------------------------|-----|----------------|----------|-----|-----------|--------------|-----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Naphthalene | 88 | 85 | 46 - 120 | 3 | 20 | 41.4 | |
| 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 | L | CS % Rec | LCSD % | Rec | Accep | tance Limits | |
| 2-Fluorobiphenyl | 9 | 4 | 91 | | 3: | 3 - 120 | |
| Terphenyl-d14 | 1 | 03 | 101 | | | 5 - 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

Solid

1.0

Analysis Batch: 720-79121

Instrument ID: HP # 3

Dilution: Date Analyzed:

10/01/2010 2051

MSD Lab Sample ID: 720-30865-3

Prep Batch: 720-79044

Lab File ID: 100110027.D Initial Weight/Volume: 30.06 g Final Weight/Volume: 1 mL Injection Volume: 1 uL

Date Prepared:

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution:

Surrogate

2-Fluorobiphenyl

Terphenyl-d14

09/30/2010 1137

10/01/2010 2114

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

Acceptance Limits

33 - 120

35 - 146

Injection Volume: 1 uL

% Rec. Analyte MS MSD Limit RPD RPD Limit MS Qual MSD Qual Naphthalene 60 74 32 - 120 21 20 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 29 - 120 12 20 Benzo[a]pyrene 81 24 - 120 11 Benzo[b]fluoranthene 76 85 17 - 132 11 20 Benzo[k]fluoranthene 83 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 24 - 120 12 20 Pyrene 76 24 - 123 20 14 Dibenz(a,h)anthracene 36 - 120 12

MS % Rec

56

MSD % Rec

81

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 | 5 |
| 2-Fluorobiphenyl | 75 | 29 - 120 | |
| Terphenyl-d14 | 101 | 45 - 120 | |

Quality Control Results

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:

Prep Batch: 720-79141 1.0 Units: ug/L 10/04/2010 1320

Instrument ID: SVOA HP 4 Lab File ID: 10041005.D

Date Analyzed: Date Prepared:

Date Prepared:

10/01/2010 1436

10/01/2010 1436

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

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

Analysis Batch: 720-79226

Injection Volume: 1 uL

| | 9 | 6 Rec. | | | | | |
|------------------------|-------|----------|----------|-----|-----------|--------------|----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qua |
| 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 | " L | CS % Rec | LCSD % | Rec | Accep | tance Limits | |
| 2-Fluorobiphenyl | 7 | 6 | 60 | | 2! | 9 - 120 | |
| Terphenyl-d14 | 9 | 8 | 96 | | 4! | 5 - 120 | |

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution:

Matrix Spike Duplicate Recovery Report - Batch: 720-79141

Method: 8270C SIM

Instrument ID: SVOA HP 4

Lab File ID: 10041008.D

Initial Weight/Volume: 970 mL

Final Weight/Volume: 1 mL

Injection Volume: 1 uL

Preparation: 3510C

MS Lab Sample ID: 720-30865-4

Water

Analysis Batch: 720-79226 Prep Batch: 720-79141

1.0

10/04/2010 1431

10/01/2010 1436

Date Prepared:

MSD Lab Sample ID: 720-30865-4 Water

Client Matrix:

Dilution: 1.0 Date Analyzed:

10/04/2010 1455 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

| | 2/ | Rec. | | | | | | | | | | |
|------------------------|----|----------|----------|-------|-----------|-------------|----------|--|--|--|--|--|
| Analyte | MS | 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 | · Acc | eptance Lim | its | | | | | |
| 2-Fluorobiphenyl | | 63 | 63 | | 2 | 9 - 120 | | | | | | |
| Terphenyl-d14 | | 87 | 80 | | 4 | 5 - 120 | | | | | | |

Quality Control Results

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:

Analyte

p-Terphenyl

Client Matrix:

Date Analyzed:

Date Prepared:

Dilution:

Date Analyzed: 10/04/2010 0955 Date Prepared: 10/01/2010 1004 Prep Batch: 720-79118

Units: ug/L

Analysis Batch: 720-79205

Result

18.6

ND

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

MDL RL Qual 50 10 130 300

31 - 150

Instrument ID: CHDRO5

Surrogate % Rec Acceptance Limits Capric Acid (Surr) 0.1 0 - 5

Lab Control Sample/

LCSD Lab Sample ID: LCSD 720-79115/3-C

Water

10/04/2010 0932

10/01/2010 1004

1.0

Diesel Range Organics [C10-C28]

Motor Oil Range Organics [C24-C36]

Lab Control Sample Duplicate Recovery Report - Batch: 720-79118

Method: 8015B Preparation: 3510C SGC Dissolved

Lab File ID: 1004105a 007.d

Final Weight/Volume: 2 mL

Initial Weight/Volume: 1000 mL

1 uL PRIMARY

Analysis Batch: 720-79205 LCS Lab Sample ID: LCS 720-79115/2-C Client Matrix: Water Prep Batch: 720-79118 Units: ug/L Dilution: 1.0 Date Analyzed: 10/04/2010 0909 Date Prepared: 10/01/2010 1004

Prep Batch: 720-79118 Units: ug/L

Analysis Batch: 720-79205

Instrument ID: CHDRO5 Lab File ID: 1004105a_008.d Initial Weight/Volume: 1000 mL

Injection Volume:

Column ID:

Final Weight/Volume: 2 mL Injection Volume: 1 uL Column ID: PRIMARY

| | 2 | % Rec. | | | | | |
|---------------------------------|-----|-----------|----------|-----|-----------|---------------------------|-----------|
| Analyte | LCS | LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
| Diesel Range Organics [C10-C28] | 66 | 58 | 32 - 119 | 12 | 35 | ************************* | |
| Surrogate | L | .CS % Rec | LCSD % | | Accep | tance Limits | |
| p-Terphenyl | 9 | 1 | 88 | | 3 | 1 - 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: 10

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

Date Analyzed: 10/05/2010 0706 Date Prepared: 10/04/2010 1427

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 Diesel Range Organics [C10-C28] ND 1.0 Motor Oil Range Organics [C24-C36] ND % Rec Surrogate Acceptance Limits Capric Acid (Surr) 0.2 0 - 5 p-Terphenyl 46 - 115 93

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: ma/Ka

Instrument ID: CHDRO5 Lab File ID: 1004105b_059.d Initial Weight/Volume: 30.21 a 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

| Analyte | LCS | Rec. LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---------------------------------|-----|--------------|----------|-----|-----------|--------------|-----------|
| Diesel Range Organics [C10-C28] | 83 | 85 | 45 - 115 | 1 | 35 | | |
| Surrogate | | S % Rec | LCSD % F | | | tance Limits | |
| p-Terphenyl | 103 | 3 | 100 | | | 3 - 115 | |

Quality Control Results Job Number: 720-30865-1

PRIMARY

Client: AMEC Geomatrix Inc.

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 720-79235

Method: 8015B Preparation: 3550B Silica Gel Cleanup

Instrument ID: CHDRO6

Lab File ID: FID1000012.D

Initial Weight/Volume: 30.42 g

Final Weight/Volume: 2 mL

MS Lab Sample ID: 720-30865-3 Client Matrix: Dilution:

Solid 1.0

Prep Batch: 720-79235

Analysis Batch: 720-79276

Date Analyzed: 10/05/2010 1125 Date Prepared: 10/04/2010 1427

MSD Lab Sample ID: 720-30865-3

Client Matrix: Solid Dilution: 1.0 Date Analyzed: 10/05/2010 1147 10/04/2010 1427 Date Prepared:

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

Instrument ID: CHDRO6 Lab File ID: FID1000013.D

Injection Volume:

Column ID:

Initial Weight/Volume: 30.30 g Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY Column ID:

Analyte MSD Limit RPD Limit MS Qual MSD Qual Diesel Range Organics [C10-C28] 55 73 50 - 130 28 Surrogate MS % Rec MSD % Rec Acceptance Limits p-Terphenyl 93 46 - 115 93

TestAmerica San Francisco

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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

Lab File ID: 1008105b 008.d

Final Weight/Volume: 2 mL

Initial Weight/Volume: 1000 mL

1 uL

PRIMARY

Instrument ID: CHDRO5

Injection Volume:

Column ID:

LCS Lab Sample ID: LCS 720-79462/2-A Client Matrix: Water Dilution: 1.0 Date Analyzed:

Date Prepared:

Analysis Batch: 720-79524 Prep Batch: 720-79462 Units: ug/L 10/08/2010 0955

10/07/2010 1014

LCSD Lab Sample ID: LCSD 720-79462/3-A Client Matrix: Water Dilution: 1.0 Units: ug/L Date Analyzed: 10/08/2010 1018 Date Prepared: 10/07/2010 1014

Analysis Batch: 720-79524 Prep Batch: 720-79462

Instrument ID: CHDRO5 Lab File ID: 1008105b 009.d Initial Weight/Volume: 1000 mL Final Weight/Volume: 2 mL Injection Volume; 1 uL PRIMARY Column ID:

| Analyte | LCS | <u>6 Rec.</u> LCSD | Limit | RPD | RPD Limit | LCS Qual | LCSD Qual |
|---------------------------------|-----|-----------------------|----------|-----|-----------|--------------|---|
| Diesel Range Organics [C10-C28] | 49 | 44 | 32 - 119 | 9 | 35 | | *************************************** |
| Surrogate | | .CS % Rec | LCSD % | Rec | | tance Limits | |
| p-Terphenyl | | 05 | 117 | | | 1 - 150 | |

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/

Date Analyzed:

Date Prepared:

Client Matrix:

Matrix Spike Duplicate Recovery Report - Batch: 720-79462

MS Lab Sample ID: 720-30865-4 Client Matrix: Dilution:

Water 10

MSD Lab Sample ID: 720-30865-4 Water

Dilution: 1 0 Date Analyzed: 10/08/2010 1152 Date Prepared: 10/07/2010 1014 Analysis Batch: 720-79523 .

Prep Batch: 720-79462

10/08/2010 1128 10/07/2010 1014

> Analysis Batch: 720-79523 Prep Batch: 720-79462

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

Instrument ID: CHDRO5 Lab File ID: 1008105a 012.d Initial Weight/Volume: 990 mL Final Weight/Volume: 2 mL Injection Volume: 1 uL PRIMARY Column ID:

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

| | % | Rec. | | | | | |
|---------------------------------|----|----------|----------|-----|-----------|-------------|------------------|
| Analyte | MS | MSD | Limit | RPD | RPD Limit | MS Qual | MSD Qual |
| Diesel Range Organics [C10-C28] | 55 | 56 | 32 - 119 | 2 | 30 | ****** | 171-7harr-samman |
| Surrogate | | MS % Rec | MSD | | Acc | eptance Lim | its |
| p-Terphenyl | | 95 | 92 | | | 1 - 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

Analysis Batch: 720-79060 Prep Batch: N/A

Dilution: 1.0

Date Analyzed: 09/29/2010 1521 Date Prepared: 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 Cr (VI) ND

RL 0.50

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 720-79060

Method: 7199 Preparation: N/A

Instrument ID: IC3

LCS Lab Sample ID: LCS 720-79060/3 Client Matrix:

Water 1.0

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

09/29/2010 1531

Date Prepared:

Dilution:

Date Analyzed:

N/A

LCSD Lab Sample ID: LCSD 720-79060/4

Client Matrix: Water Dilution: 1.0

Date Analyzed: 09/29/2010 1541

Date Prepared:

Analysis Batch: 720-79060

Prep Batch: N/A Units: ug/L

Lab File ID: 092910.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) 85 - 115 101 98 3 20

Quality Control Results

Client: AMEC Geomatrix Inc.

Job Number: 720-30865-1

Matrix Spike/

Dilution:

Dilution:

Cr (VI)

Date Analyzed:

Date Prepared:

Date Analyzed:

Date Prepared:

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 1.0

N/A

N/A

Analysis Batch: 720-79060

Prep Batch: N/A

Instrument ID: IC3 Lab File ID: 092910.csv Initial Weight/Volume: 1.0 mL

20

100

80 - 120

Final Weight/Volume: 10 mL

MSD Lab Sample ID: 720-30859-A-1 MSD Client Matrix;

Water

Prep Batch: N/A

09/29/2010 1643

1.0 09/29/2010 1653 Analysis Batch: 720-79060 Instrument ID: IC3

10

Lab File ID: 092910.csv Initial Weight/Volume: 1.0 mL

Final Weight/Volume: 10 mL

% Rec. Analyte Limit MS RPD Limit MS Qual MSD Qual MSD 111

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17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

720-30865

LABORATORY REPORT

Prepared For: TestAmerica San Francisco

Project: N/A-Misc.

1220 Quarry Lane

Pleasanton, CA 94566

Attention: Afsanch Salimpour

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, I page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

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LABORATORY ID ITJ0043-01 ITJ0043-02

CLIENT ID SB-08 SB-07

MATRIX Water

Water

Reviewed By:

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia

Project Manager

ITJ0043 <P##965/2010

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Tryine, 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 | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|----------|----------|---|--|---|--|--|---|
| EPA 6020 | 10J0140 | 2.0 | 23 | l | 10/2/2010 | 10/2/2010 | |
| EPA 6020 | 10J0140 | 2.0 | 44 | 1 | 10/2/2010 | 10/2/2010 | |
| | EPA 6020 | Method Batch EPA 6020 10J0140 | Method Batch Limit EPA 6020 10J0140 2.0 | Method Batch Limit Result EPA 6020 10J0140 2.0 23 | Method Batch Limit Result Factor EPA 6020 10J0140 2.0 23 1 | Method Batch Limit Result Factor Extracted EPA 6020 10J0140 2.0 23 1 10/2/2010 | Method Batch Limit Result Factor Extracted Analyzed EPA 6020 10J0140 2.0 23 1 10/2/2010 10/2/2010 |

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia Project Manager

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1TJ0043 <Page 3 gf/\$2010



17461 Derian Avenue, Suite 100, Trvine, 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

Sampled: 09/29/10 Received: 10/01/10

Report Number: ITJ0043

О Р

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-E | LKI) | | | | | | | | | |
| Chromium | ND | 2.0 | ug/l | | | | | | | |
| LCS Analyzed: 10/02/2010 (10J0140-BS | i1) | | | | | | | | | |
| Chromium | 81.0 | 2.0 | ug/l | 80.0 | | 101 | 80-120 | | | |
| Matrix Spike Analyzed: 10/02/2010 (10. | 10140-MS1) | | | | Source: I | TJ0043-02 | ! | | | |
| Chromium | 117 | 2.0 | ug/I | 80,0 | 43.9 | 91 | 75-125 | | | |
| Matrix Spike Dup Analyzed: 10/02/2011 |) (10J0140-N | ASD1) | | | Source: I | TJ0043-02 | 2 | | | |
| Chromium | 111 | 2.0 | ug/l | 80.0 | 43.9 | 83 | 75-125 | 6 | 20 | |

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Kathleen A. Robb For Steven Garcia Project Manager

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TestAmerica San Francisco

1220 Quarry Lane

ND

Project ID: N/A-Misc. 720-30865 Report Number: ITJ0043

Sampled: 09/29/10

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

Received: 10/01/10

DATA QUALIFIERS AND DEFINITIONS

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

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TestAmerica San Francisco 1220 Quarry Lane Project ID: N/A-Misc.

Report Number: 1TJ0043

720-30865

Sampled: 09/29/10

Pleasanton, CA 94566

Received: 10/01/10

Attention: Afsaneh Salimpour

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

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| <i>ITJ0043</i> | <page 5="" 5201<="" th=""></page> |
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| TestAmerica San Francisco | | | | | | | | | | | | | | | | | | To | c+ Λ | mar | i_~ |
|--|----------------------------|---------------------------|--------------|---|--------|----------------|----------|--------|--------------|--------|-------|--------|---------|----------|----------|-------|-------|--------------|--------------------|-----------------------------|---------------|
| Pleasanton, CA 94566 | | | C | Chain c | of C | :us | toc | ly F | ₹e | cor | ď | | _ | - | -4 | | ~1 | 2 1 | 211 | mer | |
| Phone (925) 484-1919 Fax (925) 800-3002 | | | | | | | | | | | | | | -] | | O(|)4 | つ | ADES IN S | FILVERONVERTA | S TESTING |
| Client Information (Sub Contract Lab) | Samoler, | | | Cab F Soli | npour | r, Afs | angh | | | | | C | order T | recking | No(a) | | | 720-10 | | | |
| Cient Centact Shipping/Receiving | Phone: | | | E-Ma | | alimn | our@ | · · | | nlos. | | 7 | | | | | | Page Page | | | |
| Company. TestAmenca Laboratories, Inc. | | | | | | | PIN US | 100101 | _ | | | _ | _ | _ | _ | | | Job #: | | | |
| Address | Due Date Reque | ited: | | | : 5125 | 185 | _ | - | -An | alys | is F | ≀eq∟ | este | <u> </u> | | | | 720-3 | 865-1 vation Co | den | |
| 1746* Derian Ave, Suite 100, Ctv. | 10/5/2010 TAT Requested | | | | | 欝 | | | Į | ı | | - 1 | | 1 1 | | | 28.99 | A HC | | W - Hoxane | |
| Irving 3 | IA) Requestes | asys); | | | | | 1 | | - | - | | | | i | | | 3 | B · NeC | | N - None C - AsNeO2 | |
| State, 20 CA, 92614-5817 | | | | | | | | | | | r. | | 1 | | | | [3 | C D NH | s Asid ISO4 | P - N#204S Q - N#2503 | |
| Phone: 949-261-1022(Tei) 949-261-1228(Fax) | PO#. | | | Matrix (www. tanks, Commisse, Estrange, Estrange, Estrange, | | | | | Ì | | | - [| | 1 | | | 1 | G Am | nior | R - Na25250 S - H2504 | |
| Email | WC#. | | | | 2 2 | ١. | | | | | | | | | | - | | H Asc | blaA aicre | T - TSP Dose U - Acetone | Cohytrate |
| Project Name: | Project # | | | | L. | 8 | Πi | | | - 1 | | | | | | | | K-EDI | A. | V - MCAA W - ph 4-5 | |
| Crawn Chevralel | 72006900 SSOW: | | | | 90 | à | | | - 1 | - 1 | - | | | 1 | | | 100 | L - EDA | | Z - other (spe | cdy) |
| | | | _ | | Sem | ĬĔ | | li | | | | | 1 | | | - [| | | | | |
| | | | Sample | Matrix | a de | SUBCONTRACT | | | | | | | | 1 | | - 1 | 1 | | | | |
| | 1 | Sample | Туре | (W+m+3;r, S+c+3d, | 1 | ě | | | . | | - | | | 11 | | | ĺ | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Time | G=grab) | Granitali, Elethian pear) | Ě | 3 8 | | | | - | 1 | | | 11 | | | 1 | , | necial in | netructions// | lote: |
| Market Comment of the | ><@ | | Preserva | [fijiCode: | XX | () (8) | | 31 | | 200 | | 9 9 | | 120 | 1 | | ۱ ۵ | 138 | 22 | 7.010 | 325,656 |
| S8-08 (720-30865-2) | 9/29/10 | 09:00 Pacific 10:00 | | Water | Ш | × | | | | Т | 7 | T | Т | П | | | 9 | di . | | | |
| SB-07 (720-30865-4) | 9/29/10 | 10:00 Pacific | | Water | 1 | r x | Π, | | T | | | T | | | | | * | m | Jme | -0 | |
| | | | | | ľ | Т | П | П | П | Т | | 7 | Т | П | | | 1 | 1 | 7 | | |
| | | | | | T | 1 | | | 7 | \top | T | \top | + | Ħ | 7 | _ | | i | | _ | $\overline{}$ |
| | | | | | \top | T | П | \neg | 7 | 7 | _ | + | 1 | П | | _ | - | | | / | - |
| | | | | | | Т | П | 7 | T | 7 | 1 | 1 | 1 | \Box | T | 7 | Ť | 1 | / | / | |
| | | | | | Т | 1 | П | П | T | Т | | T | 1 | | \neg | T | 5 | | 1 | 197 | 8 |
| | | | | | | | П | | \neg | Т | T | T | | | | T | 1 | Š | 7 | IA I | 101 |
| | | | | | T | 1 | П | П | Т | | 1 | | | П | _ | T | | Š | 1 | m/v | 0 |
| | | | | | | | | Т | | T | | Т | | | | П | 7 | | 7 | | M |
| | | | | | T | | Π | Ţ | T | 1 | Т | T | 7 | П | | T | 6 | | | | |
| Possible Hazard Identification | | | | | Sı | mple | Disp | osal | (A f | ee m | ay b | eass | essec | il sa | mple | s are | retal | ned long | er than | month) Months | |
| Deliverable Requested: I, II, III, IV, Other (specify) | oison B Uni | поми | Rediclogical | <u>'</u> | Sp | ecial | instru | To C | liont UQC | Reg | urren | Dis | oosal | By Loi | <u> </u> | | - An | hive For | | Months | |
| Emply Kit Relinquished by | 1 1 | Date: | | | Time: | | | | _ | | _ | - | | od of S | hlome | rit: | | | | | |
| Repropulation by TYNIO. H. | 10119730 1 | 0-162 | ν (c | ************************************** | _ | | eived by | . / | > . | | 1 | | 1 | | Date/T | me/ | 7. | | rs 2 | Company | _ |
| Reinquilhed by: | Darest fre: | V-10: | | отрату | _ | Rece | erved by | 1-1 | | 111 | 4 | | | | / € | | // (| | (:30 | Company | 1 |
| Rolinguished by: | Date/Tyne: | - | | Company | | Rece | nived by | : | _ | | | | | - | Dateff | lme | | | | Company | |
| Custody Seals Intact: Custody Seal No.: | ٠ | | | | | | er Tem | | w(#1 *C | Cape | Ostar | Rema | 14/ | | | | , | | | | -70 |
| Δ Yes Δ No | | | Pa | ce 62 c | of 6 | 45 | | | | | | | 10 | :5) | 4 | Ĉ 2 | | | | 57/de/ | 5640 |

| LABORATORY ADDRESS: CLENT INFORMATION: REPORTING REQUIREMENTS: | 24,25,825,000 |
|--|------------------------|
| LAHORATORY ADDRESS: | |
| ~ 27 | |
| 27 4466 4 | |
| THOO. LABORATORY CONTACT: LABORATORY PHONE NUMBER LABORATORY PHONE NUMBER GEOTRACKER REQUIRED YES | > No \ |
| SITE SPECIFIC GLOBAL ID NO. | 1 2 3 |
| S (SIGNATURE): ANALYSES | |
| | |
| Water (VV), or Obbert (VV), and Type an | |
| | 1 |
| ME NUMBER Type Solid Misher M SANS D Not of Conteiners Misher M M M M M M M M M M M M M M M M M M M | ADDITIONAL COMMENTS |
| | COMMENTS |
| 28 SB-03 X HC1 Y 3 | |
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| ED BY: DATE TIME RECEIVED BY: DATE TIME TOTAL NUMBER OF CONTAINERS: 1/21/10 SIGNATURES SAMPLING COMMENTS: PRINTED NAME: PRINTED NAM | |
| SAMPLING COMMENTS: PHILY TO NAME P | |
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| COMPANY Amis 1/20 5.50/4.0 | الا |
| COMPANY AMILE (27) | |
| 2101 Webster Street, 12th Floor | |
| Oakland, California 94612-3066 COMPANY: Tel 510.663,4100 Fax 510.663,4141 | |

| PROJECT | NAME: | Crown | Cho. | out A | | _ | | | -1 | 7 | 0- | - 3 | C | 386 | O | 5 | DATE: 9 | 1201 | 1, | | Tp | AGE | 7 | 15813 OF 2 |
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| DATE | TIME | N | AMPLE UMBER | | BIECX JULIES, | 11401 | #2 | Otomic | | | | | - | | | CONTA TYPE A | | Soil (S), V | Filtered | reserva | Cooled | MS/MSD | to. of Cc | ADDITIONAL COMMENTS |
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| GNATURE: | | | | | SIGN | ATUF | Œ: | | | ~. | | | $^{+}$ | 21 | Ω1 | Webster S | troot 12 | L [| | | _ | 2 | '.> | 2/4.02 |
| RINTED NAM | Æ: | | 1 | | PRIN | TED | NAME | | | | 1 | | ļ | | | and, Califo | | | | | | | | |
| OMPANY: | | | 1 | | COM | PANY | : | | - | | 4 | 1 | 1 | | | .663.4100 | | | | 4 | ě | | | |

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 San Francisco Page 65 of 65 11/05/2010





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

Akanaf Sal

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.

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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 720-30865-2

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.

11/12/2010



17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: TestAmerica San Francisco

Project: N/A-Misc.

1220 Quarry Lane

720-30865

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

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 $report\ shall\ not\ be\ reproduced,\ except\ in\ fidl,\ without\ written\ permission\ from\ Test America.\ The\ Chain\ of\ Custody,\ 1\ page,\ is\ included\ and$ 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

Page 3 of 9

ITK0514 < Page 1 2/12010

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Tryine, 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 Dilution Result Factor | | Date Analyzed | Data Qualifiers |
|--|---------------|---------|--------------------|----------------------------------|-----------|------------------|--------------------|
| Sample ID: 1TK0514-01 (SB-08 - Water) Reporting Units: ug/t 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

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ITK0514 < Page 2 of \$2010



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%REC

Result %REC Limits RPD

TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Attention: Afsaneh Salimpour

Analyte

Chromium

Chromium

Project ID: N/A-Misc. 720-30865

METHOD BLANK/QC DATA

DISSOLVED METALS

Sampled: 09/29/10 Received: 11/04/10

Report Number: ITK0514

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

ND

Project ID: N/A-Misc.

17461 Derian Avenue, Suite 100, Tryine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-30865 Report Number: ITK0514

Sampled: 09/29/10 Received: 11/04/10

DATA QUALIFIERS AND DEFINITIONS

Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

TestAmerica San Francisco

1220 Quarry Lane

LCS Analyzed: 11/05/2010 (10K0590-BS1)

Chromium

Matrix Spike Dup Analyzed: 11/05/2010 (10K0590-MSD1)

Batch: 10K0590 Extracted: 11/04/10 Blank Analyzed: 11/05/2010 (10K0590-BLK1)

2.0 Matrix Spike Analyzed: 11/05/2010 (10K0590-MS1)

Result

2.0

2,0

Reporting

ug/l

ug/l

Source: ITK0514-01 94 75-125 3.32

3.32

Spike Source

Level

Source: ITK0514-01 97 75-125

93 80-120

RPD

Limit

Qualifiers

TestAmerica Irvine

Steven Garcia Project Manager

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ITK0514 < Pare 12/2010

TestAmerica Irvine Steven Garcia Project Manager

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ITK0514 < Page 42/52010



17461 Derian Avenue, Suite 100, Trvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane

Project ID: N/A-Misc.

720-30865 Report Number: ITK0514

Sampled: 09/29/10

Pleasanton, CA 94566 Attention: Afsaneh Salimpour Received: 11/04/10

Certification Summary

TestAmerica Irvine Method

Matrix

California

EPA 6020-Diss

Nelac

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

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ITK0514 < Page 5 25/52010

| FestAmerica San Francisco | | | | | | | | | | | | | | | | | | | T⇔stΩ | nne ne | ric |
|--|--------------------------------|------------------|--|----------------------|--------------------------------|--|--------|-------------|-------|---------|--------|-------|---------|---------|---------|-------|-------------|--------------|----------------------------------|----------------------|-----------|
| 220 Quarry Lane Peasarii0f. CA 94566 Phono (925) 484-1919 Fax (925) 600-3002 | | | (| hain | of C | usto | ody | / Re | ecc | ord | | | | | | | | | THE EENDER HE | CHY PORVE | STAL PARK |
| Cilent Information (Sub Contract Lab) | Sampler | | | Lob | PM. Impour, | Afsan | eh | | | | | Carn | er Tras | king l | 40(5). | _ | | 1 | OC No: 720-10467 1 | | |
| Shipping/Receiving | Phone | | | E-M | | | | etama | nanin | | | | | | | | | į, | Page 1 of 1 | | |
| omo21 _f . | | | | lais | allert. Sa | Intéron | IIGH | | _ | | | | | | | | | 1 | ob #: | | |
| l'estAmerica Laboratories, Inc. | Due Date Request | es: | | | 16 | a T | | | maiy | ysis | Rec | ues | tea | | - | Т | _ | | 720-30865-2 Preservation Co | des: | |
| 7451 Derian Ave. Suite 100, | 11/5/2010 TAT Requested (d. | aval: | | | No. | | - 1 | | | 1 | 1 | ļ | | | | - 1 | | | A - HCL B - NaOH | M - Hexad | |
| rv-ne | | -, | | | | 84 | ৰু | 1 | | 1 | 1 | | | 1 | | İ | | - 1 | C - Zn Acelore D - Nong Acid | O - A1No | 02 |
| iate, Zip. CA, 92814-5817 | 1 | | | | | ě | š. | İ | | | | | | | Ì | - | | . 1 | E - NeHSO4 F - MeOH | Q - Na25 | 03 |
| Prione 149-251-1022(Tell) 949-251-1228(Fax) | FO# | | | | | ě, | الإ | | | | | | | | | | | | G - Amohior H - Ascorbic Adid | 5 - 11250 | |
| (TAI) | WO E. | | | | Id Filtered Sample (Yes or No) | SUBCONTRACT/ Dissolved CR by method 5020 | 31 | 1 | ı | | | } | | | | ı | ŀ | | 1 - Ice J - Di Water | V - Aceto | ne . |
| Piojeci Nacia. | Project #: | | | | 9 6 | ž. | 21 | - | | | | | | | - | | | ě | K - EDTA | Wigh 4- 2 - other | 5 |
| Crown Chevrolet | 72006900 550W | | | | 1 | Į. | 3 | | | | | 1 | | | | | ļ | | Other: | 2.0045 | 100011 |
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| | | Sample | Type (C=comp, | E-sald. Comminue. | 2 5 | 8 | | | | | 1 | 1 | | | | | - 1 | | | | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Time | G≡grab) | etelule. And | 1 | 125 | F3651 | | + | 1 | ├- | ļ | . 357 | | | | | | Special (| Instruction | s/Note: |
| \$B-08 (720-30865-2) | 9/29/10 | 09:00 | Preserv | Water | Y | X | F | - | +- | +- | 12.5 | تضد | an. | فغنا | ننت | -11-2 | oriei (| 77. | COSE L | | |
| | | Pacific 10:00 | | | ++- | + | | | +- | +- | - | | | | | | - | 3 | | | |
| SB-07 (720-30865-4) | 9/29/10 | Pacific | | Water | 11 | × | _ | | 4 | ╄- | - | ┞ | _ | | | _ | | Ϊ | | | |
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| Possible Hazard Identification | | | ł | <u> </u> | 1 | mole | Disp | osal/. | A for | may | be i | 9550 | ssed | if sa | mal | PS 87 | e ret | ains | d longer then | # month) | <u> </u> |
| Non-Hazard Flammable Skin trillant | Poison 8 Unk | nown | Radiologic | e/ | 1. | \Box_R | elum | To Clie | pof | | | Dispo | sal E | 3y La | ь | Ċ. | Ξ, | Arch | vo For | Mon | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | | S | pecial I | Instru | clions/ | QC R | Requi | reme | nte: | | | | | | | | | |
| Empty Kit Relinquished by. | | Date. | | | Time | : | | | | | | | Meo | od of : | Stripe: | en: | | _ | | | |
| John Mully | 11-03-7 | 2010 | 1630 | company F | _ | Reco | ved by | | | | | | | | Date | T.me: | | | | Сстрап | , " |
| Rearquished by | Date/Time: | 10 | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | Company | | Roce | ved by | | | | | _ | | _ | Date | Time: | | | | Company | y |
| Reinquished by | Cate/Time | | | Company | | Recer | med by | | | | | | _ | | Cote | Gm: | | | | Company | · |
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| Custody Spale Intect: Custody Spal No.: | | 5 | | age 8 | | _ | | | كياد | | ى2 | | | | 44 | 41 | <i>1</i> Δ. | 10 | :25 | | 2/2010 |

720.30837-3 120-30865-2

Page 1 of 4

Salimpour, Afsaneh

From: Steinler, Greg [Greg.Stemler@amec.com] Wednesday, November 03, 2010 3:46 PM Sent:

Salimpour, Afsaneh To: Patton, Avery Subject: RE: EPA 7199

Afsaneh,

Anomient, Please do send the following samples to Irvine: SB-05 (720-30837#14) SB-06 (720-30837#18) 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, ...

Page 9 of 9

11/12/2010



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 rete Afsaneh Salimpo Project Manager

Afsaneh Salimpour Project Manager I afsaneh.salimpour@testamericainc.com 10/11/2010

CA ELAP Certification # 2496

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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 720-30879-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.



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 hasis 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, I page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

Page 3 of 14

| 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

Augenice Style

Project Manager

1TJ0049 <P48919/18/10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue, Suite 100, Trvine, 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

| | | 1,, | D X / XDC | | | | | |
|---------------------------------------|-----------|---------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| 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 | 1030275 | 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 | 1030275 | 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 (| ω_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 | l l | 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 | |
| Molyhdenum | EPA 6020 | 1030140 | 2.0 | 20 | 1 | 10/2/2010 | 10/2/2010 | |
| Nickel | EPA 6020 | 10J0140 | 2.0 | 52 | 1 | 10/2/2010 | 10/2/2010 | |

TestAmerica Irvine

Selenium

Thallium

Vanadium

Silver

Zinc

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, withput griggen per gigsion from Test America.

10J0140

10/01/40

10J0140

1010140

10J0140

EPA 6020

EPA 6020

EPA 6020

EPA 6020

EPA 6020

2.0

1.0

1.0

2.0

3.3

1.0

ND

72

ITJ0049 <Page 28/19/2010

10/2/2010 10/2/2010

10/2/2010 10/2/2010

10/2/2010 10/2/2010

1 10/2/2010 10/2/2010

1 10/2/2010 10/3/2010



17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566 Project ID: N/A-Misc. 720-30879 Report Number: ITJ0049

Sampled: 09/29/10 Received: 10/01/10

Attention: Afsaneh Salimpour

METHOD BLANK/QC DATA

METALS

| Part | | | Reporting | | Spike | Source | | %REC | | RPD | Data |
|--|---|------------|-----------|-------|-------|--------|------|--------|-----|-------|------------|
| Mank Analyzed: 10/02/2016-10/03/2010 (10J0140-BLK1) | Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Qualifiers |
| Ansimony ND 2.0 ug/l Beryllium ND 1.0 ug/l Beryllium ND 1.0 ug/l Cadmium ND 1.0 ug/l Crhomium ND 1.0 ug/l Crhomium ND 2.0 ug/l Cobalt ND 1.0 ug/l Copper ND 2.0 ug/l Lead ND 1.0 ug/l Nickel ND 2.0 ug/l Nickel ND 2.0 ug/l Silver ND 2.0 ug/l Silver ND 2.0 ug/l Silver ND 1.0 ug/l Silver ND 2.0 ug/l Silver ND 1.0 ug/l Silver ND 2.0 ug/l Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l 8.0 10 80 120 Silver ND 1.0 ug/l 8.0 10 10 80 120 Silver NB 1.0 ug/l 8.0 10 10 80 120 Silver NB 1.0 ug/l 8.0 10 10 80 120 Silver NB 1.0 ug/l 8.0 10 10 80 120 Silver NB 1.0 ug/l 8.0 10 10 80 120 Silver NB 1.0 ug/l 8.0 10 98 80 120 Silver NB 1.0 ug/l 8.0 10 98 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 Silver NB 1.0 ug/l 8.0 10 99 80 120 | Batch: 10J0140 Extracted: 10/02/10 | | | | | | | | | | |
| Arsenic ND | Blank Analyzed: 10/02/2010-10/03/2010 | (10J0140-B | LKI) | | | | | | | | |
| Barium ND 1.0 ug/l Cadmium ND 0.50 ug/l Croamium ND 1.0 ug/l Cronomium ND 1.0 ug/l Croper ND 1.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 1.0 ug/l Cadmium ND 1.0 ug/l Croper ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 2.0 ug/l Cadmium ND 1.0 ug/l Cadmium ND 1.0 ug/l Cadmium ND 1.0 ug/l Cadmium ND 1.0 ug/l Camadium ND 1.0 ug/l Cadmium ND 1.0 ug/l Ca | Antimony | ND | 2.0 | ug/I | | | | | | | |
| Beryllium | Arsenic | ND | 1.0 | ug/l | | | | | | | |
| Cadmium ND 1.0 ug/l Chromium ND 2.0 ug/l Cobalt ND 1.0 ug/l Copper ND 1.0 ug/l Lead ND 1.0 ug/l Molybdenum ND 2.0 ug/l Nickel ND 2.0 ug/l Selenium ND 1.0 ug/l Silver ND 1.0 ug/l Vanadium ND 2.0 ug/l Arsenic 79.8 1.0 ug/l 80.0 10.2 Arsenic 79.8 1.0 ug/l 80.0 10.0 80-120 Barium 79.7 1.0 ug/l 80.0 10 80-120 Cadmium | Barium | ND | 1.0 | ug/l | | | | | | | |
| Chromium | Beryllium | ND | 0.50 | ug/l | | | | | | | |
| Cobah | Cadmium | ND | 0.1 | ug/L | | | | | | | |
| Copper | Chromium | ND | 2.0 | ug/l | | | | | | | |
| Canal | Cobalt | ND | 1.0 | ug/l | | | | | | | |
| Molybdenum ND 2.0 ug/l | Copper | ND | 2.0 | ug/l | | | | | | | |
| Nickel | Lead | ND | 1.0 | ug/l | | | | | | | |
| Schenium ND 2.0 ug/l Silver ND 1.0 ug/l Vanadium ND 1.0 ug/l Vanadium ND 2.0 ug/l Zinc ND 20 ug/l LCS Anilyzed: 10/02/2010-10/03/2010 (10/J-04/ESI) LCS Anilyzed: 10/02/2010-10/03/2010 (10/J-04/ESI) Arsenic 79.8 1.0 ug/l 80.0 102 80-120 Arsenic 79.7 1.0 ug/l 80.0 100 80-120 Barium 79.7 1.0 ug/l 80.0 100 80-120 Cadmium 79.5 1.0 ug/l 80.0 100 80-120 Cadmium 79.5 1.0 ug/l 80.0 99 80-120 Chomium 81.0 2.0 ug/l 80.0 99 80-120 Cobalt 78.3 1.0 ug/l 80.0 99 80-120 Copper 79.3 2.0 | Molybdenum | ND | 2.0 | ug/l | | | | | | | |
| Silver ND 1.0 ug/l Thalliam ND 1.0 ug/l Vanadium ND 2.0 ug/l Zime ND 2.0 ug/l LCS Analyzed: 10/02/2010-10/03/2010 (10-U-U-US) U W/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 80.0 100 80-120 Cadmium 79.5 1.0 ug/l 80.0 10 80-120 Cibromium 81.0 2.0 ug/l 80.0 10 80-120 Cobalt 78.3 1.0 ug/l 80.0 10 80-120 Copper 79.3 2.0 ug/l 80.0 10 80-120 Lead 78.5 1.0 ug/l 80.0 10 80-120 Moly | Nickel | ND | 2.0 | ug/l | | | | | | | |
| Thallium | Selenium | ND | 2.0 | ug/1 | | | | | | | |
| Vanadium ND 2.0 ug/l Zine ND 2.0 ug/l LCS Analyzed: 10/02/2010-10/03/2010 (10/140-BS1) Ug/l 80.0 102 80-120 Arsenie 79.8 1.0 ug/l 80.0 100 80-120 Barium 79.7 1.0 ug/l 80.0 100 80-120 Baryllium 71.2 0.50 ug/l 80.0 190 80-120 Cadmium 79.5 1.0 ug/l 80.0 99 80-120 Cadmium 79.5 1.0 ug/l 80.0 99 80-120 Chomium 81.0 2.0 ug/l 80.0 99 80-120 Cobalt 78.3 1.0 ug/l 80.0 99 80-120 Copper 79.3 2.0 ug/l 80.0 98 80-120 Uead 78.5 1.0 ug/l 80.0 98 80-120 Molybdenum 82.4 | Silver | ND | 1.0 | ug/l | | | | | | | |
| Zine ND 20 ug/l LCS Analyzed: 10/02/2010-10/03/2010 (10J0140-BS1) LCS Analyzed: 10/02/2010-10/03/2010 (10J0140-BS1) Antimony 81.5 2.0 ug/l 80.0 100 80-120 Arsenic 79.8 1.0 ug/l 80.0 100 80-120 Barium 79.7 1.0 ug/l 80.0 89 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 99 80-120 Cobalt 78.3 1.0 ug/l 80.0 99 80-120 Copper 79.3 2.0 ug/l 80.0 98 80-120 Lead 78.5 1.0 ug/l 80.0 98 80-120 Nickel 77.1 2.0 ug/l 80.0 99 80-120 < | Thallium | ND | 1.0 | ug/I | | | | | | | |
| CCS Analyzed: 10/02/2010-10/03/2010 (10J0140-BS1) Antimony 81.5 2.0 ug/l 80.0 162 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 99 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 Uselenium 82.4 2.0 ug/l 80.0 98 80-120 Silver 38.5 1.0 ug/l 80.0 99 80-120 | Vanadium | ND | 2.0 | ug/l | | | | | | | |
| 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 80.0 101 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 98 80-120 Lead 78.5 1.0 ug/l 80.0 98 80-120 Melybdenum 82.4 2.0 ug/l 80.0 103 80-120 Silver 77.1 2.0 ug/l 80.0 99 80-120 Silver 83.5 1.0 ug/l 80 | Zinc | ND | 20 | ug/l | | | | | | | |
| 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 80.0 101 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 98 80-120 Lead 78.5 1.0 ug/l 80.0 98 80-120 Melybdenum 82.4 2.0 ug/l 80.0 103 80-120 Silver 77.1 2.0 ug/l 80.0 99 80-120 Silver 83.5 1.0 ug/l 80 | LCS Analyzed: 10/02/2010-10/03/2010 (| 10J0140-BS | 1) | | | | | | | | |
| Arsenic 79.8 1.0 ugl 80.0 100 80-120 Bariun 79.7 1.0 ugl 80.0 100 80-120 Beryllium 71.2 0.50 ugl 80.0 89 80-120 Cadmium 79.5 1.0 ugl 80.0 99 80-120 Chromium 81.0 2.0 ugl 80.0 101 80-120 Cobalt 78.3 1.0 ugl 80.0 98 80-120 Copper 79.3 2.0 ugl 80.0 98 80-120 Lead 78.5 1.0 ugl 80.0 98 80-120 Molybderum 82.4 2.0 ugl 80.0 98 80-120 Silver 79.3 2.0 ugl 80.0 98 80-120 Selenium 79.1 2.0 ugl 80.0 98 80-120 Silver 83.5 1.0 ugl 80.0 | | | | ug/l | 80,0 | | 102 | 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 99 80-120 Copper 79.3 2.0 ug/l 80.0 99 80-120 Lead 78.5 1.0 ug/l 80.0 99 80-120 Molybdenum 82.4 2.0 ug/l 80.0 103 80-120 Nickel 77.1 2.0 ug/l 80.0 99 80-120 Silver 83.5 1.0 ug/l 80.0 99 80-120 Silver 83.5 1.0 ug/l 80.0 99 80-120 Silver 83.5 1.0 ug/l 80.0 <td>Arsenic</td> <td></td> | Arsenic | | | | | | | | | | |
| 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 10 80-120 Cobalt 78.3 1.0 ug/l 80.0 98 80-120 Copper 79.3 2.0 ug/l 80.0 98 80-120 Lead 78.5 1.0 ug/l 80.0 98 80-120 Molybdenum 82.4 2.0 ug/l 80.0 10 80-120 Nickel 77.1 2.0 ug/l 80.0 98 80-120 Selenium 79.3 2.0 ug/l 80.0 10 80-120 Silver 83.5 1.0 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 | Barium | | | | | | | | | | |
| 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 99 80-120 Thallium - 76.4 1.0 ug/l 80.0 104 80-120 Vanadium 80.7 2.0 ug/l 80.0 101 80-120 | Beryllium | 71.2 | | - | | | | | | | |
| 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 99 80-120 Thallium - 76.4 1.0 ug/l 80.0 99 80-120 Vanadium 80.7 2.0 ug/l 80.0 99 80-120 | Cadmium | | | - | | | | | | | |
| 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 99 80-120 Vanadium 80.7 2.0 ug/l 80.0 104 80-120 | Chromium | 81.0 | | | | | | | | | |
| Copper 79.3 2.0 ug/l 80.0 99 80.120 Lead 78.5 1.0 ug/l 80.0 98 80.120 Melybdenum 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 | Cobalt | 78.3 | | | | | | | | | |
| Lead 78.5 1,0 ug/l 80.0 98 80.120 Motybdenum 82.4 2,0 ug/l 80.0 103 80.120 Nickel 77.1 2,0 ug/l 80.0 196 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 Tballium - 76.4 1,0 ug/l 80.0 95 80.120 Vanadium 80.7 2,0 ug/l 80.0 101 80.120 | Copper | 79.3 | | - | | | | | | | |
| Molybderum 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 | • | | | - | | | | | | | |
| 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 | Molybdenum | | | - | | | | | | | |
| Selenium 79.3 2.0 ug/l 80.0 99 80.120 Silver 83.5 1.0 ug/l 80.0 104 80.120 Tballium 76.4 1.0 ug/l 80.0 95 80.120 Vanadium 80.7 2.0 ug/l 80.0 101 80.120 | Nickel | | | - | | | | | | | |
| 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 | Selenium | 79.3 | | | | | | | | | |
| Thallium 76.4 1.0 ug/l 80.0 95 80-120 Vanadium 80.7 2.0 ug/l 80.0 101 80-120 | Silver | | | - | | | | | | | |
| Vanadium 80.7 2.0 ug/l 80.0 101 80-120 | | | | - | | | | | | | |
| • | Vanadium | | | | | | | | | | |
| | Zinc | | | | | | | | | | |

TestAmerica Irvine

Kathleen A. Robb For Steven Garcia Project Manager

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1T.10049 <P#8714/2010

<u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Trvine, 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: 10/02/2010-1 | 0/03/2010 (10J0 | 140-MS1) | į. | | Source: I' | TJ0043-02 | | | | |
| 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 | 0.08 | 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 | | | |
| Zine | 162 | 20 | ug/l | 80.0 | 72.7 | 112 | 75-125 | | | |
| Matrix Spike Dup Analyzed: 10/02/20 | 10-10/03/2010 | 10J0140-MSD | 1) | | Source: I' | ГЈ0043-02 | | | | |
| Antimony | 44.3 | 2.0 | ug/l | 80.0 | 0.521 | 55 | 75-125 | 2 | 20 | M2 |
| Arsenie | 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 | ı | 20 | |
| Chromium | 111 | 2.0 | ug/i | 80.0 | 43.9 | 83 | 75-125 | 6 | 20 | |
| Cobalt | 74,4 | 1.0 | ug/i | 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 | |
| Sclenium | 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 | |
| Zine | 151 | 20 | ug/l | 80.0 | 72.7 | 98 | 75-125 | 7 | 20 | |

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Kathleen A. Robb For Steven Garcia Project Manager

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17461 Derian Avenue, Suite 100, Tryine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566

Project ID: N/A-Misc. 720-30879 Report Number: ITJ0049

Sampled: 09/29/10 Received: 10/01/10

Attention: Afsaneh Salimpour

METHOD BLANK/QC DATA

METALS

| | ata lifiers |
|--|----------------|
| Annual Chief Court Result MAREC Childs RTD Limit Qua | |
| 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 | |
| Cobait 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 | |
| Zine 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 | |
| Scientium 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 | |
| Zine 43.8 9.9 mg/kg 49.3 89 80-120 | |

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Project Manager

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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 | RPD | RPD Limit | Data Qualifiers |
|---------------------------------------|---------------|--------------------|-------|----------------|------------------|-----------|--------|-----|--------------|--------------------|
| Batch: 10J0275 Extracted: 10/04/10 | | | | | | r | • | | | • |
| Duplicate Analyzed: 10/07/2010 (10J02 | 275-DUP1) | | | | Source: I | T12504-01 | | | | |
| Antimony | ND | 5.0 | mg/kg | | 0.248 | 112204-01 | | | 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 (10J | 0275-MS1) | | | Source: I | T12283-01 | | | | |
| 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 | | | |

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ITJ0049 < Page 6 4/12/010



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TestAmerica San Francisco 1220 Quarry Lane Pleasanton, CA 94566

Project ID: N/A-Misc.

720-30879 Report Number: ITJ0049 1

Sampled: 09/29/10

Attention: Afsaneh Salimpour

Received: 10/01/10

METHOD BLANK/QC DATA

METALS

| | | Reporting | | Spike | Source | | %REC | | RPD | Data |
|---------------------------------------|----------------|------------|-------|-------|-----------|-----------|--------|------|-------|------------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Qualifiers |
| Batch: 10J0275 Extracted: 10/04/10 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 10/06/201 | 0-10/07/2010 (| 10J0275-MS | D1) | | Source: 1 | T12283-01 | | | | |
| 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-B | | | | | | | | | | |
| Mercury | 0.862 | 0.020 | mg/kg | 0.800 | | 108 | 80-120 | | | |
| Matrix Spike Analyzed: 10/04/2010 (10 | J0305-MS1) | | | | Source: I | TJ0039-01 | l | | | |
| Mercury | 0.882 | 0.020 | mg/kg | 0.800 | 0.0247 | 107 | 70-130 | | | |

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TestAmerica San Francisco 1220 Quarry Lane

Pleasanton, CA 94566 Attention: Afsaneh Salimpour

720-30879 Report Number: ITJ0049

Project ID: N/A-Misc.

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: 10/04/1 | 10 | | | | | | | | | |
| Matrix Spike Dup Analyzed: 10/04 | /2010 (10J0305-M | ISD1) | | | Source: I | TJ0039-0 | ı | | | |
| Mereury | 0.869 | 0.020 | mg/kg | 0.800 | 0,0247 | 106 | 70-130 | 1 | 20 | |
| Batch: 10.J0450 Extracted: 10/05/ | 10 | | | | | | | | | |
| Blank Analyzed: 10/05/2010 (10J0- | 450-BLK1) | | | | | | | | | |
| Mercury | ND | 0.00020 | mg/l | | | | | | | |
| LCS Analyzed: 10/05/2010 (10J045 | 50-BS1) | | | | | | | | | |
| Mercury | 0,00800 | 0.00020 | mg/l | 0.00800 | | 100 | 80-120 | | | |
| Matrix Spike Analyzed: 10/05/2010 | 0 (10J0450-MS1) | | | | Source: I | TJ0131-0 | ı | | | |
| Mercury | 0.00795 | 0.00020 | mg/l | 0.00800 | NĐ | 99 | 70-130 | | | |
| Matrix Spike Dup Analyzed: 10/05 | /2010 (10J0450-M | SD1) | | | Source: I | TJ0131-01 | l | | | |
| Mercury | 0.00811 | 0.00020 | mg/l | 0.00800 | ND | 101 | 70-130 | 2 | 20 | |
| | | | | | | | | | | |

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17461 Derian Avenue, Suite 100, Trvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

Received: 10/01/10

TestAmerica San Francisco 1220 Quarry Lane

Project ID: N/A-Misc. 720-30879 Report Number: ITJ0049

Sampled: 09/29/10

Pleasanton, CA 94566

M2

Attention: Afsaneh Salimpour

DATA QUALIFIERS AND DEFINITIONS

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

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TestAmerica San Francisco 1220 Quarry Lane

Project ID: N/A-Misc.

720-30879

Sampled: 09/29/10

Attention: Afsaneh Salimpour

Pleasanton, CA 94566

Report Number: ITJ0049

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

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ITJ0049 <Page 10 12 10 10

| TestAmerica San Francisco | | | | | | | | | | | | | | | | | ToctA | merica |
|--|--|------------------|--------------|---------|-----------------------------------|-----------------------------|-----------------------|----------|---------|-----------------------|--|-----------|----------|---------------------|----------------------|--------------|-----------------------------|-------------------------------------|
| 1220 Quarry Lane | | | Cha | ain d | of C | บร | tod | lv R | Rec | ord | 1 | | | | | | | rienca |
| Pleasanton, CA 94566 | | | | | | | | | | | | - | _ | | 500 | 14 | THE LEADER WEE | STREAM TOTAL TESTING |
| Prone (925) 484-1919 Fax (925) 600-3002 | | | | | | | | | | | | شب | | | | | | |
| Client Information (Sub Contract Lab) | L. 1 | | | Sali | Lab PM: Salimpour, Afsonoh | | | | | Carner Tracking Mn(s) | | | | | 720-10141.1 | | | |
| Circuit Contact | | | | | E-Mar | | | | | 1 | | | | | Page: Page 1 of 1 | | | |
| Сотрану | ping/Receiving a'saneh.sallmpour@testamenicainc. | | | | | | | | 1110.00 | *11 | ــــــــــــــــــــــــــــــــــــــ | | | | | Job # | | |
| TestAmerica Laboratories, Inc | | | | | 1 | | | | Ana | alysis | Re | ques | ted | | | | 720-30879-1 | |
| Address | Oue Date Request | d. | | | 19 | l) | Т | 1 | \neg | Т | T | | | Т | П | Т | Preservation Cod | 05: |
| 17451 Denan Ave, Suite 100, | 10/6/2010 | | | | - 1 | H | 1 | | Ţ | - | | | | | 1 1 | ļ | A - HCL | M - riexana |
| City. Irvine | TAT Requested (d. | iya): | | | | | | | 1 | - | | | | 1 | Ш | - 1 | B - NaOH. C - Zn Acetate | N - None O - As NaO2 |
| Siale, Zo CA 92514-5617 | 1 | | | | | 1 | | | - | | | 1 | | - 1 | 1 1 | ľ | D - Ninc Acid E - NaHSO4 | P - NA2045 Q - Na2SO3 |
| CA, 925:4-5817 Prone: | 906 | | | | Field Filtored Sample (Yes or No) | ۱. | 1 | | | | | | | | | 3. | F - MeCH G - AmeNor | F 45252503 S - H2504 |
| 949-261-1022(Toi) 949-261-1228(Fax) | WO# | | | _ | 司開 | il š | 6020 | ļ | - 1 | | 1 | 1 | | - 1 | | 100 | H - Ascerbic Acid | T - TSP Dodecarry areto U - Acerche |
| ı | | | | | 0 0 | ۾ ا | 1 % | H | | | 1 | | | | 1 1 | 1 | J - Ca V-acer | V - MCAA |
| Project Name: Crown Chevrolet Site | Project# | | | _ | 1516 | 2 | 1 9 | 1 1 | | - 1 | 1 | | | | | 1 | L - EDA | W - pt. 4-5 Z - other (specify) |
| Crown Chevrolet | 72006900 | | | | | 1 3 | 1 3 | | | | 1 | 1 | | | | 1 | | |
| S-10 | SSOW#: | | | | 1 6 | SUBCONTRACT/ CAM 16 by 6020 | SUBCONTRACTI CAM16 by | H | | | 1 | 1 | | | 1 | 13 | | |
| | | | T . | | 铝腾 | 1 3 | 18 | Ιi | | | 1 | 1 | 1 | - 1 | 1 1 | | | |
| | | | Spiniple | atrix | 5 3 | ΙĘ | 1 5 | | | | | 1 | | | 1 1 | Total Manual | | |
| | | | 1.1320 | h-1+64. | | 18 | 8 | ΙI | | | | | | | 1 1 | 1.2 | Ž | |
| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | | WITHOUT | , jš lž | 3 5 | 1 5 | | | | | ì | li | - 1 | 1 1 | - 13 | Special le | structions/Note: |
| 95: - 78 | 333 | | Preservation | | XX | 1 | 1.30 | 聯 | 105 | 1.0 | \$ 1,50 | 100 | 3/12 | + | de d | - 15 | C Opecial | 37 |
| IDW-1 (720-30879-1) | 9/29/10 | 11:30 | 1172 | Solid | IY | × | | 140 | - | - | + | + | - | + | 1 | ۲ | | |
| IDVV-1 (120-30078-1) | 9129110 | Pacific | | 2010 | 4 | ^ | +- | <u> </u> | | | - | ╄ | \vdash | _ | \perp | - 17 | 11 | |
| IDW-2 (720-30879-2) | 9/29/10 | 11:45 Pacific | , | Nater | Ш | | × | | | | | | Ш | | | Ŀ | 1 | |
| | | | | | | | | | ı | | | | | | | | | |
| | | | | | \sqcap | T | T | | 1 | | T | Т | П | $\neg \vdash$ | П | 3 | | |
| | | | | | 11 | 1 | + | П | 7 | _ | 1 | 1 | | | | T | | 17:36 |
| *************************************** | | | | | ++ | 1 | +~ | H | $^{+}$ | - | + | +- | 1 | _ | | | .1 / | DITIO |
| | | | | | ++ | + | ╁ | Н | + | + | ╁ | + | | - | +-+ | + | \$ | |
| | | | | | ₩ | ╁ | ╫ | H | + | - | + | + | Н | + | + | + | + +- | |
| | | | \vdash | | ₩ | 4- | - | \vdash | - | - | + | <u> </u> | Н | + | \vdash | - | | |
| | | | | | ш | ┸ | 1 | \sqcup | _ | _ | \perp | _ | | | 1 | | 1 | |
| | | | | | H. | L | L. | | | | L | 1 | Ш | | Li | | 1 | |
| | | | | | П | | | | | | | 1 | | | | 12 | 1 | |
| Possible Hazard Identification | - | | | | 5 | ampl | le Dis | posal | IAI | ee ma | y be | 8550 | ssed | f samp | les are | reta | ined longer then | f month) |
| Non-Hazard Flommable Skin Imitant Poi | on B 🗀 Unik | ,,,,, = | Radiological | | | ▭. | Retur | n To E | Chent | | | Disp | osal B | y Lab | = | ע⊂ | rchive For | Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | - | | S | pecia | il instr | uction | rs/QC | Requ | reme | ents: | | _ | | | | |
| Empty Kit Relinquished by: | | Date: | | | Time | - | | | | | | | Vetho | a at She | ment | _ | | |
| Reingustratey TOALL | Deletion / | | L./a Con | pag-y | 1 | | celved | br | | _ | - | | L | Da | offinite: | ~ | | Company |
| [[rwett. | | | | | 100t Vulsan | | | | | 14 | 4 10/1/10 | | | | //1 | 11:30 | 74I | |
| Reinquished by: | DataTene: Compar | | | pany | Received by: | | | | | | | DA | estre | | | Company | | |
| Reinquoted by: | Date/Time: Company | | | | | Received by. | | | | | | Date/free | | | | | Company | |
| Custody Sears Inlact: Custody Seal No : | | | Page | 13 | of 1 | Co | ole: Te | mperns | re(s) | C and C | 7st or F | leman. | 5/ | $\overline{\wedge}$ | <i>\$</i> 7 | | | 20/12/10/20 |
| Δ Yes Δ No | | | 90 | | | 1_ | | | | | | | ٧٤ | <u>زي</u> | <u> 7.5</u> | | | -1 2119 |

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 |
| | |

TestAmerica San Francisco

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10/11/2010