AECOM

AECOM
3995 Via Oro Avenue
Long Beach, CA 90810
www.aecom.com

562 420 2933 tel
562 420 2915 fax

November 23, 2011

Mr. William Knight
Nevada Division of Environmental Protection
2030 E. Flamingo Road, Suite 230
Las Vegas, NV 89119

Re: **Revised Upper Muddy Creek Formation Additional Investigation Report**
OSSM Joint Groundwater Program
Henderson, Nevada

Dear Mr. Knight:

On behalf of the OSSM Companies, AECOM submits the *Revised Report for the Additional Investigation of the Upper Portion of the Muddy Creek Formation (UMCf)*. A prior version of this report, documenting installation and testing of five additional downgradient UMCf monitoring wells, was submitted to the Nevada Division of Environmental Protection (NDEP) on May 25, 2011. NDEP commented on that report in a letter dated June 28, 2011. Following a meeting held on July 19, 2011, two additional downgradient UMCf monitoring wells were installed and tested in August 2011. The groundwater investigation report has been revised to incorporate the results of the two additional monitoring wells and in accordance with NDEP comments. To assist in your review of the revised investigation report, OSSM Companies responses to NDEP comments are attached for your consideration. If you have any questions regarding these responses or the revised investigation report, please contact me at (562) 213-4141.

Sincerely,

AECOM

Brian Dean, CEM
Senior Project Director

cc: Brian Rakvica, McGinley and Associates, Las Vegas, NV
Joe Kelly, Montrose Chemical Corporation, Bainbridge Island, WA
George Crouse, Syngenta, Greensboro, NC
Lee Erickson, SMC, Golden, CO
Curt Richards, Olin Chemical, Cleveland, TN
Mike Bellotti, Olin Chemical, Cleveland, TN
Paul Sundberg, Stockton, CA
Ed Modiano, de maximis, San Diego, CA
Nick Pogoncheff, PES Environmental, Novato, CA
Kelly McIntosh, AMEC Geomatrix, Amherst, NY
Lynne Preslo, GeoEco, Reno, NV
Brian Waggle, Hargis + Associates, Mesa, AZ
BMI Program Company Representatives per email advisory

OSSM Companies Responses to NDEP Comments on
Report for the Additional Investigation of the Upper Portion of the Muddy Creek Formation
OSSM Joint Groundwater Program
Henderson, Nevada

Format of Responses: The NDEP comment is provided first in italics followed by the Companies response in standard text.

NDEP Comment 1: *General comment, mass flux calculations are presented for the horizontal, however the vertical gradient is 10x that of horizontal. Also, the cross sectional area for vertical flux is much larger than that of the horizontal case (i.e., the entire map area of the UMCf/Qal contact), so mass flux from UMCf will be a much larger number than portrayed in the report (again due to 10x gradient and about 10,000x the cross sectional area). It appears that the Deliverable discusses horizontal mass flux only. Vertical mass flux must also be evaluated.*

Companies Response: The investigation report has been revised to evaluate vertical mass flux as requested. Vertical mass flux was estimated using an assumed range of hydraulic conductivities as discussed in Section 6.2 of the revised investigation report. The vertical hydraulic conductivity of the UMCf was assumed to be between 10 and 100 times lower than the horizontal hydraulic conductivity as determined by slug testing. In combination with the vertical hydraulic gradients presented in Section 3.1 and an assumed cross-sectional area of approximately 4.8 million square feet, estimates of vertical VOC mass flux are presented in Tables 17B and 17C of the revised investigation report.

NDEP Comment 2: *General comment, the mass flux calculations should be based on geologic cross sections at the GWTS and at the downgradient transect at wells MC-MW-36 to MC-MW-38. An example cross section would be Hargis, 2009, Figure 33. The cross section, however, must show the Shallow Zone and identify the Qal and xUMCf contact as well as the upper portion of the UMCf to at least the depth of the deepest monitor wells. Borehole logs and well construction diagrams for each well used must be included. The section used to calculate the flux should be extended laterally to the width of the plume as defined by the appropriate USEPA MCL/NDEP BCL or geologic boundary. Without a uniform definition such as the foregoing the mass flux at the two sections cannot be compared to evaluate gain or loss in mass flux.*

Companies Response: Geologic cross-sections across two parallel transects located approximately 950 feet apart are provided in Figure 4 of the revised investigation report. The southern transect (A-A') is located along the extraction well line and includes UMCf wells MC-MW-29 through MC-MW-35. The northern transect (B-B') is downgradient and includes UMCf wells MC-MW-36 through MC-MW-38. The lithologic zones and geologic contacts for the Qal, xMCf, and UMCf are shown in the cross-sections. The well screens and water elevations for the UMCf and Qal wells are also shown in the cross-sections. Copies of the borehole logs for the UMCf and paired Qal wells are provided in Appendix B, and additional borehole logs can be provided upon request. The horizontal mass flux calculations for the two transects were revised to reflect an identical cross-sectional width of 2,546 linear feet, and the net gain or loss in VOC mass flux between the two transects was evaluated as discussed in Section 6.1 of the revised investigation report.

NDEP Comment 3: *General comment, it is not clear that the data in the report has been subjected to validation. The Companies should advise when this will be submitted. This work was completed in November 2010 and it is expected that data validation should have already occurred.*

Companies Response: The November 2010 UMCf groundwater investigation data was not validated. However, the UMCf wells were re-sampled in April 2011 as part of the annual site-wide sampling event, and the laboratory data for that sampling event was validated. Therefore, the validated groundwater results from the April 2011 sampling event have been presented in the revised investigation report in lieu of the unvalidated November 2010 results. With a few exceptions, the April 2011 analytical results were generally consistent with the November 2010 results. Wells MC-MW-34 and MC-MW-35 were installed at the site in August 2011, and the laboratory data for these two wells was validated as discussed in Section 4.2 of the revised investigation report.

NDEP Comment 4: *General comment, we do not concur that the two wells on the west side that were not installed yet are not needed (MC-MW-34 and 35). These are not shown anywhere on the figures, however, based upon a review of the May 2010 work plan and the concentration figures in this map it appears that delineation is incomplete. Further, according to the work plan, monitor well MC-MW-34 was to be installed in an area where capture has been historically difficult to demonstrate and MC-MW-35 was to be a flanking well near the center of a paleo channel. Examples of incomplete delineation include:*

a. *Benzene has not been delineated to the USEPA MCL (5 ug/l). The westernmost well MC-MW-31 has a concentration of 670 ug/l.*

b. *Chlorobenzene, similar to benzene. The westernmost well MC-MW-31 has a concentration of 3,900 ug/l versus the USEPA MCL of 100 ug/l.*

c. *Chloroform, downgradient well MC-MW-36 is at 100 ug/l versus the USEPA MCL for TTHMs of 80 ug/l. This is higher than upgradient well concentrations. It appears a source west of MC-MW -31 may exist. This issue also brings concerns regarding other compounds that may be higher to the west.*

d. *In addition, the three compounds listed above are the only three that are mapped. There is a long list of compounds in Section 3.3, however, it is not clear why they were not mapped. From a cursory review, the following is noted:*

    i. *Hexavalent chromium should be mapped.*

    ii. *Dissolved oxygen, ORP and pH should be mapped.*

    iii. *The discussion on non-Aroclor PCBs; inorganics, anions and "other analyses" is inadequate to draw conclusions from.*

    iv. *Perchlorate should be mapped.*

e. *The Companies are using mass flux as a basis to eliminate the UMCf as a pathway of concern, however, based upon the issue of vertical flux discussed above, it is not clear that this has been adequately addressed, however, our review is on-going.*

Companies Response 4:

a – c. Wells MC-MW-34 and MC-MW-35 were installed, developed, sampled, and slug tested in August 2011. The investigation report has been revised to include the groundwater investigation results from these two wells. The results at MC-MW-35 delineated the western extent of VOCs along the southern transect. No benzene or chlorobenzene was detected in groundwater at MC-MW-35, and TTHM was detected at a trace level concentration of 0.45J ug/L, which is significantly below the EPA MCL of 80 ug/L.

d. Field parameters, perchlorate, and hexavalent chromium levels have been mapped in Figures 7, 11, and 12 respectively. The non-Aroclor PCB discussion in Section 4.0 has been revised to compare the cumulative PCB concentration against the EPA MCL of 0.5 ug/L. An evaluation of the anion and cation balance was conducted in accordance with NDEP guidance and is discussed in Section 4.2.1 of the revised investigation report.

e. Vertical mass flux was evaluated in Section 6.2 of the revised investigation report as discussed in the response to NDEP Comment 1.

NDEP Comment 5: *Cover letter, page 1, the Companies state "It is also worthwhile to recall that the westernmost extraction wells ("A" and "B") have recently been shut down because the shallow zone alluvial aquifer has cleaned up." It has not been established herein that the Shallow Zone SRC concentrations have such a direct relationship to the UMCf SRC concentrations as suggested in this statement. Please see general comment above.*

Companies Response 5: The cover letter has been revised, and the above-referenced statement has been removed.

NDEP Comment 6: *Executive Summary, page ex-i, one of the objectives of the report was to characterize the vertical hydraulic gradients. This effort failed for three of the five locations. Based upon this, NDEP believes that this objective has not been fully met.*

Companies Response 6: Vertical hydraulic gradients between the Qal and UMCf have been calculated at 7 of the 10 wells locations in the revised investigation report as described in Section 3.1. Vertical hydraulic gradients could not be calculated at the remaining 3 locations because the Qal was found to be dry based on lithologic descriptions and gauging of Qal wells.

NDEP Comment 7: *Executive Summary, page ex-ii, vertical hydraulic gradient results, the Companies note that for two of the five locations that the associated Quaternary alluvium (Qal) well was dry. As noted during previous NDEP correspondence, the Companies need to examine the well screen location versus the site lithology to assess if these wells are appropriately designed.*

Companies Response 7: Qal wells MC-59 and MC-60 were dry during these investigation activities, and an examination of the well construction relative to the site lithology is provided as follows:

- MC-59 is screened from 12 to 22 feet bgs, and the bottom of the Qal was observed at 23.5 feet bgs at paired UMCf well MC-MW-32. The Qal was reported to be dry during drilling of MC-MW-32 as shown on the borehole log provided in Appendix B. Transition zone (xMCf) was

observed from 23.5 to 33 feet bgs. The top of the UMCf was observed at 33 feet bgs at this well location.

- MC-60 is screened from 17 to 32 feet bgs, and the bottom of the Qal was observed at 31.5 feet bgs at paired UMCf well MC-MW-36. The base of the Qal was reported to be moist during drilling of MC-MW-36. The xMCf was observed to occur from 31.5 to 39 feet bgs. The top of the UMCf was observed at 39 feet bgs at this well location.

Lithologic cross-sections are provided as Figure 4 and depict the well screen intervals relative to the various lithologic layers.

NDEP Comment 8: *Executive Summary, page ex-ii, vertical hydraulic gradient results, the Companies note that a gradient could not be calculated in the vicinity of well MC-MW-38 due to the absence of a Qal well in the vicinity. It is not clear why this was not known during the work plan development or field implementation and why a piezometer was not installed. This is a data gap that should be addressed.*

Companies Response 8: The Qal was reported to be dry during drilling of MC-MW-38 as shown on the borehole log provided in Appendix B. Furthermore, the base of the Qal at MC-MW-38 was observed at an elevation of approximately 1,679 feet MSL, which is more than seven feet above the groundwater elevation reported at the nearest Qal well (1,671.76 feet at MC-65). Based on this data, the Qal is expected to be dry at this well location.

NDEP Comment 9: *Section 2.3, general comment, the discussion in this Section would be aided by the development of a lithologic cross-section.*

Companies Response 9: Lithologic cross-sections are provided as Figure 4 and are discussed in Section 2.4 of the revised investigation report.

NDEP Comment 10: *Section 2.3.1, pages 4 and 5, it is not clear why the standard operating procedure (SOP) for headspace analysis was violated and why a new 11.7 eV bulb was not purchased. This low bias brings in to question the field screening that was completed in the field and limits the ability of the field personnel to appropriately select screened intervals for the wells.*

Companies Response 10: The screen intervals were selected based on depth below the top of the UMCf as described in Section 2.3 of the revised investigation report. The soil headspace concentrations were not used to select screen intervals, and the absence of an 11.7 eV bulb for a portion of the drilling in November 2010 did not impact the well construction. Please note that an 11.7 eV bulb was used during installation of wells MC-MW-34 and MC-MW-35 in August 2011, with no interruption in the performance of the field PID.

NDEP Comment 11: *Section 2.3.1, page 5, benzene and chlorobenzene are not the only "primary" groundwater contaminants. As an example, chloroform was detected in every groundwater sample collected (see Table 3). Please revise this Section accordingly.*

Companies Response 11: Section 2.3.1 was revised to eliminate reference to benzene and chlorobenzene as "primary" contaminants.

NDEP Comment 12: *Section 3.1, page 8, the NDEP offer the following comments:*

a. Standard procedures for calculating vertical hydraulic gradients (Post, et al., 2007), were not used herein. The standard procedures were established because of varying groundwater density across the BMI Industrial Complex and to ensure comparability of data.

b. Hydrographs should be included to demonstrate static groundwater elevation in the wells. This is important as all but two of the wells exhibited very low hydraulic conductivities. Please include these in the revised Deliverable.

Companies Response 12:

a. The vertical hydraulic gradients were corrected for density differences in accordance with Post, et.al., 2007. The groundwater elevations in the Qal were corrected to match the density of groundwater in the UMCf.

b. A hydrograph showing the groundwater elevations of the subject UMCf wells is provided as Figure 5.

NDEP Commment 13: *Section 4.0, page 11, the NDEP offers the following comments:*

a. Given that there are multiple trihalomethanes (TTHMs) detected, the Companies should provide a concentration contour figure for TTHMs in place of chloroform.

b. The NDEP (2009) requires anion-cation balance per previously issued NDEP Guidance.

Companies Response 13:

a. TTHM concentrations are mapped in Figure 10 in lieu of chloroform.

b. The anion-cation balance check was conducted in accordance with NDEP guidance as discussed in Section 4.2.1.

NDEP Comment 14: *Section 4.0, page 13, the NDEP offers the following comments:*

a. Perchlorate, the Companies state that they believe that the sample results for well MC-MW-37 are questionable. NDEP disagrees without further substantiation (additional discussion provided below). In addition, this well was sampled in November 2010. If the data was believed to be questionable, it should have been resampled. It is not clear why the Companies have waited eight months to raise this issue. Well MC-MW-37 is elevated for a number of compounds which are also expected to be related to the BMI Complex. Examples follow:

i. Table 6, arsenic, 0.060 mg/L. The remainder of the wells had concentrations from 0.01 – 0.028 mg/L.

ii. Table 6, boron, 9.5 mg/l. The remainder of the wells had concentrations from 0.66 – 2.6mg/L.

iii. Table 6, sulfur, 669,000 mg/l. The remainder of the wells had concentrations from 83.6 – 338,000 mg/L.

iv. *Table 6, hexavalent chromium, 1.6 mg/l. The remainder of the wells had concentrations from non-detect to 0.0035 mg/L.*

v. *Table 10, acetaldehyde, 72.0 ug/L. The remainder of the wells were non-detect.*

vi. *Table 12, nitrate, 58.0 mg/L. The remainder of the wells were non-detect.*

b. *According to the laboratory report the dilution factor was 200,000:1. Please clarify whether the text or the laboratory report is correct.*

c. *The cross section area was arbitrarily defined based on well screen length and well spacing; as opposed to relating it to the geology and concentration profile. Please refer to General Comments and Comments #16 and #19.f. Thus, the results from the calculations are not comparable.*

Companies Reponse:

a – b. Well MC-MW-37 was re-sampled in April 2011, and the results confirmed the occurrence of perchlorate at elevated concentrations in this well (480,000 ug/L). The report text in Section 4.0 has been revised accordingly.

c. See Companies Response to Comment 2.

NDEP Comment 15: *Section 7.0, page 21, Objective 1, please refer to Comment #12.a.*

Companies Response: The investigation results relative to Objective 1 have been revised in accordance with the response to Comment 12 as discussed in Section 7.0 of the revised investigation report.

NDEP Comment 16: *Section 7.0, page 21, Objective 2, the Companies state "Evaluate the potential for chemical migration in groundwater (mass flux) which may be occurring within the upper portion of the UMCf below the influence of the GWTS extraction well . . . this objective was met by gauging, sampling, and slug testing the new UMCf wells." This is not correct as the mass flux was calculated for the ten-foot screen interval only. Mass flux between the base of the Aa/xMCf and the top of the screen was excluded in the calculation. Also, no groundwater samples were collected within this interval to assess chemical flux. NDEP believes that these calculations need to be revised and the text should be revised accordingly.*

Companies Response 16: The horizontal mass flux calculations have been revised to reflect a vertical height between the top of the UMCf and the bottom of the screen interval. Using this approach, the vertical height assumed for the horizontal mass flux calculations is between 23 and 27 feet for all seven of the new UMCf wells. The report text in Section 6.1 has been revised accordingly.

NDEP Comment 17: *Tables, general comment, the Companies need to provide summary statistics tables per the NDEP's December 10, 2008 guidance at http://ndep.nv.gov/bmi/docs/081210_%20stat_table guidance.pdf.*

Companies Response 17: Summary statistics are provided in Table 14 of the revised investigation report in accordance with the above-referenced NDEP guidance.

NDEP Comment 18: *Table 6, please verify if the units on this table are correct. For example, is sulfur really detected at 67%?*

Companies Response 18: The sulfur concentrations in Table 6 have been corrected to reflect units of milligrams per liter (mg/L).

NDEP Comment 19: *Appendix B, NDEP provides the following comments:*

a. *General comment, it is not clear how the well screened intervals were selected. NDEP is not disagreeing with the selection, however, some comments are provided below for discussion. The notes provided below are examples and are not intended to be comprehensive.*
b. *General comment, it would be helpful to note the interface with the transitional Muddy Creek formation (xMCf) and Upper MCf (UMCf).*
c. *Borehole MC-MW-32, it is noted that the borehole was "moist" starting at 38' below ground surface (bgs); in addition sand content was unchanged from 10% from 38' to 55'. How was the screened interval selected?*
d. *Borehole MC-MW-36, it is noted that the borehole is "wet" starting at 46' bgs, however, the screened interval does not start until 53' bgs. Sand content actually decreases at 53' bgs. A "slight odor" is noted to begin at 46' bgs. How was the screened interval selected?*
e. *Borehole MC-MW-38, it is noted that the borehole is "moist" starting at 33' bgs. Sand content is 5% at 33' bgs to 54' bgs. The screened interval is from 48' to 58' bgs. Sand content increase to 10% at 53' bgs; 30% at 60' bgs and 60% at 61' bgs. It appears that the screened interval is too shallow. Please discuss.*
f. *Please provide the borehole logs and well construction diagrams for well(s) closest to those installed during this investigation. For example, the borehole and well construction logs could be used for Well-O and Well-G for MC-MW-33.*

Companies Response 19 (a-f): The screen intervals were selected based on depth below the top of the UMCf as indicated in Section 2.3 of the revised investigation report. Conductor casings, isolating the Qal, were set at a depth 3 to 5 feet below the top of the UMCf. Well screens within the UMCf were set at a depth 10 to 12 feet below the bottom of the conductor to provide separation from the Qal and sufficient vertical height for the annular sand pack and bentonite seal. The UMCf well screen intervals were not selected based on sand content, water saturation levels, odors, or field headspace concentrations. As requested, the top of the transition zone, xMCf, was added to the borehole logs, where encountered. The borehole logs for the paired or nearest Qal wells have been added to Appendix B as requested.

NDEP Comment 20: *Appendix H, these tables are not useful and it is not clear that they are necessary.*

Companies Response 20: The tables previously provided in Appendix H have been removed from the revised investigation report.

REVISED REPORT FOR THE ADDITIONAL INVESTIGATION OF THE UPPER PORTION OF THE MUDDY CREEK FORMATION

OSSM Joint Groundwater Program
Henderson, Nevada

November 23, 2011

Prepared For: **OSSM Companies**
c/o de maximis, inc.
1322 Scott Street, Suite 104
San Diego, California 92106

Prepared By: **AECOM**
3995 Via Oro Avenue
Long Beach, California 90810

TABLE OF CONTENTS

Section Title Page

ACRONYMS AND ABBREVIATIONS iv
EXECUTIVE SUMMARY ..... ex-i
1.0 INTRODUCTION AND BACKGROUND 1
2.0 WELL INSTALLATION 3
2.1 Well Location, Permitting and Property Access 3
2.2 Utility Clearance 4
2.3 Drilling 4
2.3.1 Field Screening 5
2.4 Well Construction 5
2.5 Well Development 7
2.6 Surveying 7
2.7 Equipment Decontamination and Waste Management 8
3.0 WATER LEVEL MONITORING AND GROUNDWATER SAMPLING 9
3.1 Groundwater Elevations and Hydraulic Gradients 9
3.2 Sample Collection 10
3.2.1 Low Flow Sampling Method 10
3.3 Analytical Methods 11
3.4 Equipment Decontamination and Waste Management 12
4.0 LABORATORY RESULTS 13
4.1 QA/QC Results 17
4.2 Data Validation 18
4.2.1 Anion-Cation Balance 18
5.0 SLUG TESTING 20
6.0 MASS FLUX CALCULATIONS 22
6.1 HORIZONTAL MASS FLUX 22
6.2 VERTICAL MASS FLUX 25
7.0 SUMMARY AND CONCLUSIONS 28
8.0 REFERENCES 31

LIST OF FIGURES

Figure Title

Figure 1 Site Location Map
Figure 2 Overall Site Property/Facility Layout Showing Monitoring Well Locations
Figure 3 Groundwater Treatment System Area Well Locations
Figure 4 Geologic Cross-Sections A-A’ and B-B’
Figure 5 Hydrograph, UMCf Wells

Figure 6 Groundwater Elevation Map
Figure 7 Additional Groundwater Investigation Field Parameters Middle Zone - 2011
Figure 8 Additional Groundwater Investigation Benzene Middle Zone - 2011
Figure 9 Additional Groundwater Investigation Chlorobenzene Middle Zone - 2011
Figure 10 Additional Groundwater Investigation TTHM Middle Zone - 2011
Figure 11 Additional Groundwater Investigation Perchlorate Middle Zone - 2011
Figure 12 Additional Groundwater Investigation Hexavalent Chromium Middle Zone - 2011
Figure 13 Widths and Areas Considered by Mass Flux Calculations

LIST OF TABLES

Table	Title
Table 1	Summary of Groundwater Level Elevations
Table 2	Summary of Vertical Gradients
Table 3	Summary of Detections – VOCs by EPA 8260B
Table 4	Summary of Detections – SVOCs by EPA 8270C
Table 5	Summary of Detections – Pesticides by EPA 8081A and 8141A
Table 6	Summary of Laboratory Results – Metals by EPA 6010B, 6020, 7199, and 9014
Table 7	Summary of Laboratory Results – TPH by EPA 8015B
Table 8	Summary of Detections – PCBs by EPA 1668 and 8082
Table 9	Summary of Laboratory Results – Perchlorate by EPA 6850
Table 10	Summary of Laboratory Results – Acetaldehydes by EPA 8270C and 8315A
Table 11	Summary of Laboratory Results – Alkalinity by SM 2320B
Table 12	Summary of Laboratory Results – Ammonia by SM 4500, Total Phosphorus by EPA 365.3, TDS by SM 2540C, Anions by EPA 9056, pH by EPA 9040B, and Total Inorganic Carbon by SM 5310C and 9060A
Table 13	Summary of Laboratory Results – Organic Acids by HPLC
Table 14	Summary Statistics of Laboratory Results
Table 15	Laboratory QA/QC Results
Table 16	Slug Test Results
Table 17A	Horizontal Mass Flux Calculations
Table 17B	Vertical Mass Flux Calculations - Low Case (Kv = Kh/100)
Table 17C	Vertical Mass Flux Calculations - High Case (Kv = Kh/10)

LIST OF APPENDICES

Appendix	Title
Appendix A	Copies of Permits
Appendix B	Borehole Logs and Well Construction Diagrams
Appendix C	Well Development Forms
Appendix D	Survey Data - updated
Appendix E	Purge Forms
Appendix F	Waste Documentation
Appendix G	Laboratory Reports and Chain of Custody Forms
Appendix H	Data Validation Report
Appendix I	Slug Tests

ACRONYMS AND ABBREVIATIONS

Abbreviation	Term
BCL	Basic comparison level
bgs	Below ground surface
BHC	Benzene hexachloride
^{o}C	Degrees Centigrade
4,4'-DDT	4,4'-Dichlorodiphenyltrichloroethane
DO	Dissolved oxygen
EC	Electrical conductivity
EPA	U.S. Environmental Protection Agency
ft/ft	Feet per foot
GRO	Gasoline range organics
GWTS	Groundwater Treatment System
HSA	Hallow stem auger
J	Lab data qualifier indicating analyte was detected below the reporting limit
LRL	Laboratory reporting limit
MCL	Maximum contaminant level
MDL	Method detection limit
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
mg/L	Milligrams per liter
ml/min	Milliliter per minute
Montrose	Montrose Chemical Corporation of California
MS/MSD	Matrix spike/matrix spike duplicate
MSL	Mean sea level
mV	Millivolts
NA	Not applicable
NAD	North American Datum
NDEP	Nevada Division of Environmental Protection
ng/L	Nanograms per liter
NTUs	Nephelometric Turbidity Units

ACRONYMS AND ABBREVIATIONS

Abbreviation	Term
Olin	Olin Corporation
ORP	Oxygen reduction potential
OSSM	Olin Corporation, Stauffer Management Company LLC /Syngenta Crop Protection, LLC and Montrose Chemical Corporation of California
PCB	Polychlorinated biphenyls
PID	Photo-ionization detector
ppm	Parts per million
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
Site	GWTS located in Henderson, Nevada
SM	Standard Method
SMC/Syngenta	Stauffer Management Company LLC/Syngenta Crop Protection, LLC
SRC	Site related chemicals
SVOC	Semi-volatile Organic Compounds
TDS	Total dissolved solids
TIC	Tentatively identified compound
TPH	Total petroleum hydrocarbon
UMCf	Upper Muddy Creek formation
VOC	Volatile organic compound

Certified Environmental Manager (C.E.M.) Statement

This document is a revised report for the additional investigation of the upper portion of the Muddy Creek formation conducted during the fourth quarter of 2010 and third quarter of 2011 to support the OSSM Joint Groundwater Program in Henderson, Nevada.

For the services provided and described in this document, the following language is from Nevada Administrative Code (NAC) 459.

> *I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.*

AECOM

Brian Dean, C.E.M.
Nevada C.E.M. 2077 (Exp 03/01/13)

Date Signed: November 23, 2011

EXECUTIVE SUMMARY

This revised report presents the results of additional groundwater investigation conducted in November 2010 and August 2011 in support of the Olin Corporation, Stauffer Management Company LLC/Syngenta Crop Protection, LLC and Montrose Chemical Corporation of California (OSSM) Joint Groundwater Program in Henderson, Nevada. Seven new Upper Muddy Creek formation (UMCf) groundwater monitoring wells were installed in the vicinity of the Groundwater Treatment System (GWTS) between November 1, 2010, and August 31, 2011, as follows:

- Well MC-MW-32 was installed approximately 300 feet east of the eastern end of the extraction well line,
- Well MC-MW-33 was installed near extraction well "O" along the GWTS extraction well line,
- Well MC-MW-34 was installed near extraction well "J" along the GWTS extraction well line,
- Well MC-MW-35 was installed near extraction well "A" along the GWTS extraction well line,
- Wells MC-MW-36 through MC-MW-38 were installed approximately 1,000 feet northeast of the GWTS extraction well line on the north side of Warm Springs Road (downgradient of the GWTS).

The additional investigation was conducted in accordance with a workplan submitted to the Nevada Division of Environmental Protection (NDEP) (Hargis + Associates [H+A], 2010a) and approved by NDEP in a letter dated May 17, 2010. The objectives of the additional groundwater investigation were as follows:

- Characterize vertical hydraulic gradients between the Quaternary alluvium (Qal) and the underlying upper portion of the upper Muddy Creek formation (UMCf) directly beneath and downgradient of the GWTS; and
- Evaluate the potential for chemical migration in groundwater (mass flux) within the upper portion of the UMCf below the influence of the GWTS extraction wells.

The objectives of the additional groundwater investigation were met by installing, developing, gauging, sampling, and slug testing the seven new UMCf wells in November 2010 and August 2011. A summary of the investigation results is provided below and a map showing the location of the various wells is provided in **Figure 3**.

Vertical Hydraulic Gradient Results: Upward hydraulic gradients were measured at three UMCf/Qal well pairs. After correcting for density differences, upward hydraulic gradients between 0.030 and 0.119 ft/ft were determined at UMCf wells MC-MW-29, 33, and 37 (**Table 2**). Downward hydraulic gradients between 0.006 and 0.103 ft/ft were determined at UMCf wells MC-MW-30, 31, 34, and 35 respectfully. Vertical hydraulic gradients could not be calculated at UMCf wells MC-MW-32, 36, or 38 due to unsaturated conditions in the Qal.

Horizontal Hydraulic Gradient Results: Based on groundwater elevation measurements, the horizontal hydraulic gradient in the UMCf ranged between approximately 0.014 and 0.017 ft/ft at and downgradient of the GWTS extraction well line (**Figure 6**).

Slug Testing Results: The hydraulic conductivity of the UMCf was estimated based on the average of one slug in and one slug out test at each well (**Table 16**). Based on the slug testing results, five of the seven wells (MC-MW-32, 33, 34, 36, and 38) exhibited low or moderately low average hydraulic conductivities between 0.008 and 0.212 ft/day. Wells MC-MW-35 and 37 exhibited higher average hydraulic conductivities of 0.954 and 8.602 ft/day respectively.

Groundwater Sampling Results: While the groundwater samples from all the newly installed wells were analyzed for a wide array of chemical compound groups, for the purposes of this executive summary, the following discussion of groundwater chemical findings focuses on VOCs that are the primary VOCs of interest to the program. A summary of the data is shown in **Table 3** and summarized as follows:

- Benzene concentrations ranged from 2.9 to 1,500 µg/L. There was no pattern or trend to the distribution. Benzene concentrations at wells MC-MW-35 and 37 were <2.0 and 2.9 µg/L respectively and below the EPA MCL of 5 µg/L. Benzene concentrations exceeding the EPA MCL were detected in five of the seven wells, MC-MW-32 (28 µg/L), MC-MW-33 (13 µg/L), MC-MW-34 (1,500 µg/L), MC-MW-36 (110 µg/L), and MC-MW-38 (550 µg/L).

- Chlorobenzene concentrations ranged from 5.7 to 950 µg/L. The distribution of chlorobenzene in UMCf groundwater was similar to the benzene distribution. Chlorobenzene concentrations at wells MC-MW-32, 33, 35, 36, and 37 were between 5.7 and 32 µg/L and below the EPA MCL of 100 µg/L. The EPA MCL was exceeded in two of the seven wells including MC-MW-34 (950 µg/L), located along the extraction well line, and MC-MW-38 (310 µg/L), located downgradient and to the east of the GWTS extraction well line.

- Total trihalomethanes (TTHM) concentrations, including chloroform, ranged from 0.45J to 220 µg/L. TTHM concentrations were distributed differently than benzene and chlorobenzene. TTHM concentrations at wells MC-MW-32, 33, 35, 37, and 38 ranged from 0.45J to 54.1 µg/L and were below the EPA MCL of 80 µg/L. The EPA MCL was exceeded in two of the seven wells including MC-MW-34 (220 µg/L), located along the extraction well line, and MC-MW-36 (140 µg/L), located downgradient and generally centered on the GWTS extraction well line.

Mass Flux Results: Horizontal and vertical mass flux rates were calculated by assuming a representative cross-sectional area for each of the UMCf wells associated with this investigation. Although the vertical hydraulic conductivity of the UMCf was not measured, a reasonable range of vertical conductivities was assumed based on the soil type and depositional environment. Estimated mass flux rates for the primary VOCs of interest are shown in **Tables 17A through 17C** and summarized as follows:

Horizontal Mass Flux Rates

- Benzene mass flux rates varied from zero to 0.014260 lbs/day. It would take approximately 442 days for one pound of benzene to flux through the UMCf across the northern transect defined by wells MC-MW-36 through MC-MW-38.

- Chlorobenzene mass flux rates varied from zero to 0.034523 lbs/day. It would take approximately 581 days for one pound of chlorobenzene to flux through the UMCf across the northern transect defined by wells MC-MW-36 through MC-MW-38.

- TTHM mass flux rates varied from zero to 0.006663 lbs/day. It would take approximately 144 days for one pound of TTHM to flux through the UMCf across the northern transect defined by wells MC-MW-36 through MC-MW-38.

Vertical Mass Flux Rates

- Upward benzene mass flux rates varied from 0.000003 lbs/day (MC-MW-33) to 0.066405 lbs/day (MC-MW-29) depending on the assumed vertical hydraulic conductivity. It would take between approximately 15 and 150 days for one pound of benzene to flux upward from the UMCf at well MC-MW-29.

- Upward chlorobenzene mass flux rates varied from 0.000002 lbs/day (MC-MW-33) to 0.160770 lbs/day (MC-MW-29) depending on the assumed vertical hydraulic conductivity. It would take

between approximately 6 and 60 days for one pound of chlorobenzene to flux upward from the UMCf at well MC-MW-29.

- Upward TTHM mass flux rates varied from zero (MC-MW-33) to 0.192641 lbs/day (MC-MW-37) depending on the assumed vertical hydraulic conductivity. It would take between approximately 5 and 50 days for one pound of TTHM to flux upward from the UMCf at well MC-MW-37, although the concentration of TTHM at this well did not exceed the EPA MCL.

Overview of Mass Flux Findings

There is an apparent net loss of VOC horizontal mass flux between the extraction well line transect (0.058084 lbs/day) and the downgradient transect (0.012928 lbs/day). There are several possible reasons for the apparent loss of VOC horizontal mass flux rates as explained in Section 6.1. However, in spite of these uncertainties, the benzene and chlorobenzene mass flux rate in the UMCf is significantly lower along the downgradient transect than the extraction well line transect. Conversely, the TTHM mass flux rate in the UMCf is significantly higher along the downgradient transect than the extraction well line transect. Overall, the horizontal mass flux of VOCs in the UMCf is relatively minor in comparison with the estimated mass flux of VOCs in the Qal along the extraction well line and captured by the GWTS.

Depending on the assumed vertical hydraulic conductivity, the upward vertical mass flux rates of VOCs from the UMCf may exceed the corresponding horizontal mass flux rates. Although there is some uncertainty associated with the vertical upward mass flux of VOCs in the UMCf, the estimated range can be further bounded by comparison with the horizontal mass flux in the Qal. The vertical mass flux rate from the UMCf cannot exceed the horizontal mass flux rate in the Qal.

1.0 INTRODUCTION AND BACKGROUND

On behalf of Olin Corporation (Olin), Stauffer Management Company LLC /Syngenta Crop Protection, LLC (SMC/Syngenta) and Montrose Chemical Corporation of California (Montrose), this report presents the results of additional groundwater investigation conducted in the vicinity of the Groundwater Treatment System (GWTS), referred to herein as "the Site", located as shown on **Figure 1**. The additional investigation was conducted in accordance with a workplan submitted to the Nevada Division of Environmental Protection (NDEP) (Hargis + Associates [H+A], 2010a) and approved by NDEP in a letter dated May 17, 2010.

This investigation included installation, development, sampling, and testing of seven downgradient monitoring wells in the Upper Muddy Creek Formation (UMCf). The first five wells were installed in November 2010, and the results reported to NDEP in a document entitled *Report for the Additional Investigation of the Upper Portion of the Muddy Creek Formation* (AECOM, 2011). NDEP commented on that report in a letter dated June 28, 2011 (NDEP, 2011a), and subsequently, the two remaining wells were installed at the Site in August 2011. The groundwater investigation report has been revised to incorporate the results of the two additional monitoring wells and in accordance with NDEP comments.

Objectives

The Workplan identified two objectives for the additional investigation as follows:

- Characterize vertical hydraulic gradients between the Quaternary alluvium (Qal) and the underlying upper portion of the UMCf directly beneath and downgradient of the GWTS; and
- Evaluate the potential for chemical migration in groundwater (mass flux) within the upper portion of the UMCf below the influence of the GWTS extraction wells.

Technical Approach

To accomplish the project objectives, a total of seven groundwater monitoring wells were planned for installation into the UMCf in the vicinity of the GWTS as shown on **Figure 2**. However, due to access limitations, only five of the seven planned UMCf wells were installed in November 2010. Following resolution of access issues and in accordance with NDEP comments, the two remaining UMCf monitoring wells were installed and sampled in August 2011.

The Workplan was designed to attain the following technical data for further evaluations of the UMCf zone:

- The hydraulic conductivity and transmissivity of the upper portions of the UMCf would be determined by hydraulic conductivity (slug) tests performed at each new monitoring well location;
- Prevailing groundwater flow directions and gradients would be determined by measuring groundwater elevations in the UMCf wells and adjacent Qal wells (where present);
- Vertical gradients would be determined between each UMCf well and its adjacent Qal well (where present);
- Groundwater-quality conditions would be determined by the collection and analysis of groundwater samples from the newly installed UMCf wells; and
- Chemical migration in groundwater (mass flux) within the upper portion of the UMCf and below the influence of the GWTS extraction wells would be calculated.

The investigation described herein was completed between November 1, 2010, and August 31, 2011.

2.0 WELL INSTALLATION

The following section summarizes the well installation activities.

2.1 Well Location, Permitting and Property Access

Five UMCf monitoring wells were installed in November 2010, and two additional UMCf monitoring wells were installed in August 2011. The wells were located as shown in **Figure 3**, and the rationale for the well locations installed during this investigation is as follows:

- MC-MW-32 was installed near alluvial aquifer monitoring wells MC-59, flanking the extraction well field to the east. This location is northeast of the eastern most extraction well I.
- MC-MW-33 was installed near extraction well O. This location is near the center of the deepest portion of the eastern paleochannel.
- MC-MW-34 was installed near extraction well J. This location is near the vicinity of the ridge of the UMCf that separates the eastern and western paleochannels (interfluve).
- MC-MW-35 was installed near extraction well A, flanking the extraction well field to the west. This location is near the center of the western paleochannel.
- MC-MW-36 was installed near alluvial aquifer monitoring well MC-60, downgradient from extraction wells J and N (north of Warm Springs Road) near the interfluve zone between the eastern and western paleochannels.
- MC-MW-37 was installed near alluvial aquifer monitoring well MC-65, downgradient from extraction well O (north of Warm Springs Road).
- MC-MW-38 was installed north of Warm Springs Road and downgradient from extraction well I located in the eastern portion of the eastern paleochannel.

Prior to well installation, a drill card from the state licensed driller was submitted to the State of Nevada, Division of Water Resources. In addition to the drill card, an Affidavit to Abandon Wells forms was provided by the property owner. Copies of the signed drill cards for the State of Nevada are provided in **Appendix A.**

2.2 Utility Clearance

Underground Service Alert (Dig Alert) was notified in advance of the well installation activities in the area of Warm Springs Road west of Highways 93 and 95. The well locations were cleared for subsurface and overhead utilities prior to the start of drilling operations. In addition, upon the start of drilling, the first five feet of each boring was hand augured as a precaution against contact with unidentified utilities or piping.

2.3 Drilling

Well installation activities were conducted using a combination of hollow-stem auger (HSA) and roto-sonic drilling methods. For the five wells installed between November 1 and 6, 2010, Cascade Drilling of La Habra, California provided the HSA and roto-sonic drilling services. For the two wells installed between August 23 and 25, 2011, WDC Exploration and Wells of Henderson, Nevada provided the HSA and roto-sonic drilling services.

A 15-inch diameter hollow-stem auger was advanced through the Qal and approximately 3 to 5 feet into the top of the UMCf. During hollow-stem auger drilling, soil samples were collected using a split-spoon sampler and logged to identify the top of the UMCf. The top of the UMCf was observed between 32 and 40 feet below ground surface (bgs) at six of the wells (MC-MW-32 and MC-MW-34 through 38) but was observed at 53 feet bgs in well MC-MW-33. Depending on the depth at which the top of the UMCf was observed, an 8-inch diameter protective conductor casing was installed to depths between 36 and 58 feet bgs to achieve aquifer separation and prevent cross-contamination. A nominal 6-inch diameter roto-sonic drill casing was then advanced through the conductor casing, and a 5-inch diameter continuous core was recovered in 2- to 5-foot lengths from the bottom of the conductor to total depths between 59 and 83 feet bgs. The total depth of the borings was predicated by the well construction which included a 7 to 9 foot vertical separation from the conductor, 3 feet of filter sand pack above the screen interval, a 10 foot screen interval, and a 3 foot sump. In accordance with the NDEP-approved workplan, the UMCf monitoring wells were screened based on the depths of the conductor casing and top of the UMCf.

Each core was immediately placed in a plastic sleeve and closed prior to field screening. The top and bottom depths of the core were labeled. To field screen the core material, the plastic sleeve was cut open along its entire length, and soil samples were collected from the center of the core material for evaluation of sample headspace concentrations. The remaining core materials were used for lithologic description. The upper UMCf was typically composed of lean clay, but some thin, clayey sand and gravel lenses (0.5 to 2 feet thick) were observed in wells MC-MW-35 and MC-MW-37. Although the soils were logged,

the monitoring wells were not screened based on the occurrence of sand or gravel lenses within the UMCf. Borehole logs are provided in **Appendix B**.

2.3.1 FIELD SCREENING

A photo-ionization detector (PID), MiniRAE Model 2000, was used to field screen the soil cuttings and core for the presence of organic vapors. The PID was calibrated daily prior to the start of work in accordance with manufacturer specifications using a known calibration standard of 100 parts per million (ppm) isobutylene gas. An 11.7 electron-volt (eV) lamp was initially used to field screen the soil cuttings and core for organic vapors in November 2010. However, this lamp failed on the second day of drilling in November 2010, and the equipment vendor was unable to provide a replacement lamp on an expedited basis. Therefore, the organic vapors were screened throughout the remainder of the November 2010 drilling program using a 10.6 eV lamp. The 10.6 eV lamp will not detect organic vapors with high ionization potentials (IPs), such as chloroform, and may have resulted in a slightly low bias for soils containing these type of organic vapors. However, other groundwater contaminants at the Site, including benzene and chlorobenzene, have IPs below 10.6 eV and would have been detected by the PID during field screening in November 2010. During the August 2011 drilling program, only an 11.7 eV lamp was used to field screen the soil cuttings and core for organic vapors.

For field screening, a soil sample from each sample interval, every 5 vertical feet, was placed in a plastic bag and allowed to volatilize in the bag for approximately 5 to 10 minutes. At the end of this time, the bag was pierced with a metal tool and the intake probe on the PID was inserted into the bag**.** The concentration of organic vapors present in the headspace of the bag was recorded on the borehole logs (**Appendix B**). With the exception of well MC-MW-34, field headspace concentrations were low and consistently between 0 and 9 ppm at six of the well locations. At well MC-MW-34, moderate chemical odors and field headspace concentrations (up to 82 ppm) were noted within the saturated Qal and portions of the UMCf at depths between approximately 30 and 53 feet bgs. Although the soils were field screened for the presence of VOCs during drilling, the headspace concentrations were not used as a basis for selecting well screen intervals as discussed in Section 2.3.

2.4 Well Construction

Upon completion of drilling and field screening, the monitoring wells were constructed in the UMCf as indicated below:

Well Construction Details

Specification	MC-MW-32	MC-MW-33	MC-MW-34	MC-MW-35	MC-MW-36	MC-MW-37	MC-MW-38
Construction Date	November 4, 2010	November 6, 2010	August 25, 2011	August 25, 2011	November 5, 2010	November 4, 2010	November 5, 2010
Conductor Depth	0-38 ft bgs	0-58 ft bgs	0-36 ft bgs	0-44 ft bgs	0-43 ft bgs	0-43 ft bgs	0-38 ft bgs
Blank Casing	0-48 ft bgs	0-70 ft bgs	0-46 ft bgs	0-54 ft bgs	0-53 ft bgs	0-53 ft bgs	0-48 ft bgs
Screen Interval	48-58 ft bgs	70-80 ft bgs	46-56 ft bgs	54-64 ft bgs	53-63 ft bgs	53-63 ft bgs	48-58 ft bgs
Sump	58-61 ft bgs	80-83 ft bgs	56-69 ft bgs	64-67 ft bgs	63-66 ft bgs	63-66 ft bgs	58-61 ft bgs
Screen Slot Size	0.01-inches	0.01-inches	0.01-inches	0.01-inches	0.01-inches	0.01-inches	0.01-inches
Casing Diameter	2-inches	2-inches	2-inches	2-inches	2-inches	2-inches	2-inches
Casing Type	PVC Sch. 80	PVC Sch. 80	PVC Sch. 80	PVC Sch. 80	PVC Sch. 80	PVC Sch. 80	PVC Sch. 80
Annular Sand Pack	45-61 ft bgs	67-83 ft bgs	43-56 ft bgs	51-64 ft bgs	50-66 ft bgs	50-66 ft bgs	45-61 ft bgs
Sand Pack Grain Size	No. 2/16	No. 2/16	No. 2/16	No. 2/16	No. 2/16	No. 2/16	No. 2/16
Annular Bentonite Seal	41-45 ft bgs	63-67 ft bgs	39-43 ft bgs	47-51 ft bgs	46-50 ft bgs	46-50 ft bgs	41-45 ft bgs

Notes:
ft bgs = feet below ground surface
Sch = Schedule
PVC = Polyvinyl chloride

After reaching total depth, the monitoring wells were constructed through the roto-sonic drive casing. While slowly raising the roto-sonic drive casing, the annular sand pack, bentonite seal, and bentonite/cement grout were placed around the well screen and casing using a tremmie pipe to prevent potential bridging during construction. The depth to the top of the annular fill materials was measured during construction to ensure that bridging had not occurred. Well MC-MW-33 was screened deeper (70 to 80 feet bgs) than the other wells because the Qal was thicker at this location. The other UMCf monitoring wells were screened across similar depths (48-58, 53-63, or 54-64 feet bgs). Well construction diagrams are included as part of **Appendix B**.

Two geologic cross-sections showing the depths of the Qal, transition zone, and UMCf are provided in **Figure 4**. The southern transect, A-A', is located along the extraction well line and includes UMCf monitoring wells MC-MW-29 through MC-MW-35. The northern transect, B-B', is located approximately 1,000 feet downgradient from the southern transect and includes monitoring wells MC-

MW-36 through MC-MW-38. The well screen intervals, formation contacts, and reported water elevations are shown in the cross-sections.

2.5 Well Development

The wells were developed using surging, bailing, and pumping techniques between November 9 and 11, 2010 and on August 27, 2011. Groundwater parameters including temperature, pH, conductivity, and turbidity were collected during well purging activities. In accordance with the Workplan, development was considered complete when temperature, pH, and conductivity were stable and the groundwater was relatively sediment free. Stability of the parameters was demonstrated by readings within 10 percent over three consecutive measurements. Well development results are summarized as follows:

Wells MC-MW-32, MC-MW-33, MC-MW-34, and MC-MW-36

- These four wells exhibited very low recharge rates (<0.1 gallons per minute [gpm]) which were too low to pump.
- Each of these wells was surged and bailed dry three times. Between 5 and 6 well volumes were purged from each of these wells.
- Parameters were stable, and groundwater at the top of the water column was relatively sediment free with turbidities between 18 and 64 Nephelometric Turbidity Units (NTUs), although turbidity increased as the wells were bailed dry.

Wells MC-MW-35, MC-MW-37 and MC-MW-38

- These three wells exhibited higher recharge rates, and after surging and bailing, MC-MW-35, MC-MW-37 and MC-MW-38 were pumped at rates up to 1.0, 1.5 and 0.4 gpm respectively. Ten, 5, and 19 well volumes were purged from MC-MW-35, MC-MW-38 and MC-MW-37 respectively.
- Parameters were stable, and groundwater was relatively sediment free with final turbidity readings of 16, <1, and 10 NTUs at MC-MW-35, MC-MW-37 and MC-MW-38 respectively.

Groundwater parameters and purge rates/volumes were recorded on development logs provided in **Appendix C**.

2.6 Surveying

Following well installation, the locations and elevations of the monitoring wells were surveyed by a certified land surveyor, Atkins Surveyors, previously known as PBS&J Surveyors, located in Henderson, Nevada. The well locations were surveyed on November 9, 2010 and August 26, 2011 to the nearest 0.01-foot and included the well casing elevation in North American Datum (NAD) 1983 coordinate

system and the easting (X) and northing (Y) coordinates in Nevada Coordinate System of 1983 (NCS83), East Zone. The final survey coordinates and elevations for all monitoring wells are summarized in **Appendix D**.

2.7 Equipment Decontamination and Waste Management

Prior to well installation activities, drilling equipment was steam cleaned and allowed to air dry. Rinse water and decontamination fluids were transferred to labeled 55-gallon drums and temporarily stored pending characterization for on-site treatment. Soil cuttings were loaded into a 20-yard roll-off bin pending characterization for off-Site disposal. Waste characterization samples were collected and analyzed for the following analyses:

- Volatile organic compounds (VOCs) by EPA Method 8260B
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C
- Organochlorine pesticides by EPA Method 8081A
- Metals by EPA Methods 6010B/6020/7470A/7471A
- Chlorinated herbicides by EPA Method 8151A

The liquid waste was subsequently characterized as non-hazardous waste and processed in the on-Site GWTS. The soil cuttings were subsequently characterized as non-hazardous waste and were transported for off-Site disposal under proper manifest documentation to the U.S. Ecology facility in Beatty, Nevada. Waste characterization sample analytical results are provided in **Appendix F**.

3.0 WATER LEVEL MONITORING AND GROUNDWATER SAMPLING

The following section summarizes the water level monitoring, purging, and sampling activities.

3.1 Groundwater Elevations and Hydraulic Gradients

The groundwater elevations in the UMCf wells associated with this investigation (MC-MW-29 through MC-MW-38) were gauged on August 26 and 27, 2011. Static groundwater was observed in the UMCf wells at depths between 19.82 and 33.52 feet below top of casing. Corresponding groundwater elevations ranged from 1,673.20 feet mean sea level (MSL) at MC-MW-37 to 1,692.84 feet MSL at MC-MW-35 (**Table 1**). A hydrograph of the groundwater elevations at the five UMCf wells installed in November 2010 is provided as **Figure 5**. Groundwater elevations at these five UMCf wells were measured in November 2010, April 2011, and August 2011. As shown in this figure, groundwater elevations have been relatively stable since installation. Groundwater elevations in August 2011 were between 0.3 and 1.0 feet lower than elevations in April 2011.

Horizontal Gradients: The groundwater flow direction in the UMCf beneath the Site was generally north-northeast at a horizontal hydraulic gradient ranging from approximately 0.014 to 0.017 feet per foot (ft/ft) across the Site (**Figure 6**).

Vertical Gradients: Where present, hydraulic heads in paired Qal wells were also gauged for purposes of determining vertical hydraulic gradients as shown in **Table 2**. Paired Qal wells were present at 9 of the 10 downgradient UMCf wells associated with this investigation. Although MC-MW-38 did not have a paired Qal well, the Qal was reported to be dry during drilling of MC-MW-38. Furthermore, the base of the Qal at MC-MW-38 was observed at an elevation of approximately 1,679 feet MSL, which is more than seven feet above the hydraulic head reported at the nearest Qal well (1,671.76 feet at MC-65). Based on this data, the Qal is expected to be dry at this well location.

Prior to calculating vertical hydraulic gradients and as requested by NDEP (NDEP, 2011a), the hydraulic heads in the Qal were corrected for density differences with the UMCf. The concentrations of total dissolved solids (TDS) in the Qal were typically higher than in the UMCf, and therefore, the density of groundwater in the Qal is slightly greater than the density of groundwater in the UMCf. To compare elevations between the two water-bearing units, the elevations in the Qal were corrected for density differences with the paired UMCf well as shown in Table 2 and in accordance with the methods specified by Pope et.al., 2007. As a result of the density corrections, the hydraulic heads in the Qal typically

increased between 0.01 and 0.16 feet. The resulting vertical hydraulic gradients are summarized as follows:

- Three well pairs exhibited upward vertical gradients between 0.030 and 0.119 ft/ft including UMCf wells MC-MW-29, 33, and 37.
- Four well pairs exhibited downward vertical gradients between 0.006 and 0.103 ft/ft including UMCf wells MC-MW-30, 31, 34, and 35.
- Qal wells MC-59 and MC-60 were dry, and therefore, vertical hydraulic gradients could not be calculated at the UMCf wells MC-MW-32 and 36. Although MC-59 is screened shallow (12 to 22 feet bgs), the bottom of the Qal was observed at 23 feet bgs and found to be dry during drilling of UMCf well MC-MW-32. MC-60 is screened from 17 to 32 feet bgs, and the bottom of the Qal was observed at 31.5 feet bgs during drilling of UMCf well MC-MW-36.

Several of the well pairs are located along the extraction well line, which was active at the time of groundwater level monitoring. Depending on the proximity to an extraction well, the vertical hydraulic gradients may be affected by active groundwater extraction from the Qal.

3.2 Sample Collection

In accordance with Standard Operating Procedures previously established for the Site (H+A, 2007), groundwater sampling using low flow sampling methods was conducted between November 15 and 17, 2010, and on August 31, 2011.

3.2.1 LOW FLOW SAMPLING METHOD

The seven monitoring wells were each purged using a portable stainless steel bladder pump (QED Environmental Systems Model STll0lPM), at flow rates ranging from 80 to 400 millimeters per minute (ml/min; micro-purge). Before and after each well, the stainless steel components were decontaminated using a standard triple rinse method and non-phosphate detergent and the disposable bladder and tubing replaced. Only distilled water was utilized during decontamination procedures.

All field instruments were calibrated daily, prior to initial use. Field parameters were collected and recorded throughout purging activities, including temperature, pH, electrical conductivity (EC), dissolved oxygen (DO), turbidity, and oxygen reduction potential (ORP). Groundwater purging continued until the pH, temperature, and EC readings were observed within ±10 percent of the previous two measurements.

The Well Development/Purge Logs are provided in **Appendix E**. Field parameters including pH, DO, and ORP are mapped in **Figure 7** and summarized as follows:

- pH ranged from 7.01 (MC-MW-37) to 8.75 (MC-MW-35).
- DO ranged from 0.54 mg/L (MC-MW-32) to 0.86 mg/L (MC-MW-33).
- ORP ranged from +15 (MC-MW-35) to +162 (MC-MW-32).

The field parameters reported in this section reflect the November 2010 and August 2011 UMCf groundwater sampling activities.

3.3 Analytical Methods

Once the groundwater quality parameters had stabilized, each well was sampled from the discharge line of the bladder pump. The flow rate of the discharge line was decreased, as necessary, to attain laminar flow prior to filling the sample bottles. Groundwater samples were collected directly from the sample port on the portable pump system. All groundwater samples collected were analyzed for the following chemical groups by the methods listed:

- VOCs including tentatively identified compounds (TICs) by EPA Method 8260B
- SVOCs including TICs by EPA Method 8270C
- Organochlorine pesticides including dichlorodiphenyltrichloroethane (DDT) and benzene hexachloride (BHC) isomers by EPA Method 8081A
- Pesticides by EPA Method 8141A extended
- Metals by EPA Method 6010B/6020
- Iodide by EPA Method 300.0
- Ammonia by EPA Method 350.3 modified
- Total phosphorus by EPA Method 365.3
- 1,2-dibromo-3-chloropropane and 1,2-dibromoethane by EPA Method 504.1
- Polychlorinated biphenyls (PCBs) by EPA Method 1668
- Alkalinity by Standard Method (SM) 2320B
- Total dissolved solids (TDS) by SM 2540C
- Sulfur by EPA Method 6010B
- Perchlorate by EPA Method SW6850
- Chromium VI by EPA Method 7199
- Total Petroleum Hydrocarbon (TPH) – silica gel by EPA Method 8015B (C8-C40 range)
- TPH – gasoline range organics (GRO) by EPA Method 8015B GRO
- TPH – ethanol alcohol and methyl alcohol by EPA Method 8015B
- PCBs by EPA Method 8082

- 1,4-Dioxane by EPA Method 8270C
- Acetaldehydes by EPA Method 8315A
- Cyanide by EPA Method 9014
- Bromide, chloride, fluoride, nitrate/nitrite, ortho-phosphate, phosphate and sulfate by EPA Method 9056
- Total Inorganic Carbon by EPA Method 9060
- Organic Acids by HPLC
- pH by EPA Method 9040/9045

All sample bottles were labeled, packed in coolers, and transported to Test America Laboratory Services (Test America) of Irvine, California under proper chain-of-custody procedures.

3.4 Equipment Decontamination and Waste Management

Prior to sampling activities and after each well, sampling equipment was decontaminated and allowed to air dry. Rinse water and decontamination fluids were transferred to labeled 55-gallon drums and temporarily stored pending characterization. Waste characterization samples were collected and analyzed for the analyses listed in Section 2.7. The liquid waste was subsequently characterized as non-hazardous waste and processed in the on-Site GWTS. Waste characterization sample analytical results are provided in **Appendix F**.

4.0 LABORATORY RESULTS

Groundwater analytical results for the additional investigation are summarized in this section. Concentrations of detected analytes are presented in **Tables 3 through 13**. An electronic copy of the analytical reports is provided on compact disk in **Appendix G**. Results exceeding an EPA maximum contaminant level (MCL) or otherwise relevant to the investigation are presented below.

The five UMCf wells installed in November 2010 (MC-MW-32, 33, and 36 through 38) were initially sampled in November 2010 and again in April 2011 as part of the annual site-wide groundwater sampling program. Since the April 2011 results are the most recent and those results were validated, they are presented in this section in lieu of the November 2010 results, where available. The results for MC-MW-34 and MC-MW-35 from August 2011 were also validated as discussed in Section 4.2 and are presented in this section.

In accordance with NDEP comments and guidance (NDEP, 2011a and 2008), summary statistics for the UMCf results from these seven wells are presented in **Table 14**. The summary table provides statistics regarding number of detections, minimum, maximum, and mean concentrations. The standard deviation of the detected results is additionally included in this table per the guidance document, but it is noted that seven results is too few to establish a reliable data distribution. Summary statistics are provided for the key contaminants associated with this investigation including VOCs, metals, and perchlorate.

VOCs:

VOC results are presented in **Table 3**, and VOCs detected at concentrations exceeding their respective EPA MCL in at least one sample are summarized as follows:

- Benzene: Benzene was detected in groundwater at six of the seven wells ranging in concentration from 0.29J to 1,500 micrograms per liter (µg/L). Benzene concentrations exceeding the EPA maximum contaminant level (MCL) of 5 µg/L were detected in five of the seven wells, MC-MW-32 (28 µg/L), MC-MW-33 (13 µg/L), MC-MW-34 (1,500 µg/L), MC-MW-36 (110 µg/L), and MC-MW-38 (550 µg/L). Benzene results are mapped in **Figure 8**.

- Chlorobenzene: Chlorobenzene was detected in groundwater at six of the seven wells ranging in concentration from 5.7 to 310 µg/L. A chlorobenzene concentration exceeding the EPA MCL of 100 µg/L was detected in two of the seven wells, MC-MW-34 (950 µg/L) and MC-MW-38 (310 µg/L). Chlorobenzene results are mapped in **Figure 9**.

- Total Trihalomethanes: TTHM include chloroform, bromoform, bromodichloromethane, and dibromochloromethane. TTHM were detected in groundwater at six of the seven wells ranging in concentration from 0.45J to 220 µg/L. A total TTHM concentration exceeding the EPA MCL of 80 µg/L was detected in two of the seven wells, MC-MW-34 (220 µg/L) and MC-MW-36 (140 µg/L). Chloroform was the only TTHM detected at these two wells. TTHM concentrations are mapped in **Figure 10**.

- Methylene Chloride: Methylene chloride was detected in groundwater at three of the seven wells ranging in concentration from 5.0 to 9.2J µg/L. A methylene chloride concentration exceeding the EPA MCL of 5 µg/L was detected in two of the seven wells, MC-MW-34 (9.2J µg/L) and MC-MW-36 (5.3 µg/L).

- 1,1-Dichloroethane: 1,1-Dichloroethane (1,1-DCA) was detected in groundwater at five of the seven wells ranging in concentration from 2.2 to 18 µg/L. A 1,1-DCA concentration exceeding the NDEP basic comparison level (BCL) of 11.8 µg/L was detected in one of the seven wells, MC-MW-34 (18 µg/L).

SVOCs:

No SVOCs were detected in any of the groundwater samples with the exception of 1,4-dioxane and phenol, detected at low concentrations significantly below the NDEP BCLs. SVOC results are presented in **Table 4**.

Pesticides:

As indicated in **Table 5**, trace or estimated concentrations (estimated where below respective laboratory reporting limits) of alpha-, beta-, delta-, and gamma-BHC isomers represent the only pesticides reported for the groundwater samples from the three data sets. As indicated in Table 5, none of the BHC isomers were detected at concentrations above or at the respective NDEP BCL concentration established for the Henderson site (NDEP, 2011b), or the EPA MCL established for gamma-BHC (0.2 µg/L).

Dissolved Metals:

Metals results are presented in **Table 6**, and metals detected at concentrations exceeding their respective EPA MCL or NDEP BCL in at least one sample are summarized as follows:

- Arsenic: Arsenic was detected in all seven wells ranging in concentration from 0.010 to 0.056 milligrams per liter (mg/L). The EPA MCL of 0.01 mg/L was exceeded at six wells, MC-MW-32, 33, 34, 36, 37 and 38.

- Total Chromium: Total chromium was detected in all seven wells ranging in concentration from 0.0023 to 0.88 mg/L. The EPA MCL of 0.1 mg/L was exceeded in only one of the seven wells, MC-MW-37 (0.88 mg/L).

- Hexavalent Chromium: Hexavalent chromium was detected in five of the seven wells ranging in concentration from 0.0032 to 1.6MHA[1] mg/L. The NDEP BCL of 0.1 mg/L was exceeded in one of the seven wells, MC-MW-37 (1.6MHA mg/L). Hexavalent chromium concentrations are mapped in **Figure 12**.

- Lithium: Lithium was detected in all seven wells ranging in concentration from 0.048Jb to 0.25M2 mg/L. The NDEP BCL of 0.073 mg/L was exceeded at five wells, MC-MW-32, 34, 36, 37, and 38.

- Magnesium: Magnesium was detected in all seven wells ranging in concentration from 6.2 to 310 mg/L. The NDEP BCL of 207 mg/L was exceeded at three wells, MC-MW-32, 37, and 38.

- Boron: Boron was detected in all seven wells ranging in concentration from 0.56 to 9.5MHA mg/L. The NDEP BCL of 7.3 mg/L was exceeded at one well, MC-MW-37.

TPH and Alcohols:

TPH or alcohols were detected in four wells, MC-MW-32, 33, 34, and 38. Results are presented in **Table 7**, and summarized as follows:

- TPH, C6-C12 Range: Gasoline range organics were detected in three of seven wells ranging in concentrations from 0.051 to 2.8QP1 mg/L. The latter result is qualified to reflect quantitation of individual peaks within the gasoline range, indicating that non-gasoline VOCs were quantified by the gasoline range analysis.

---

[1] MHA = Due to high levels of analyte in the sample, the matrix spike/matrix spike duplicate (MS/MSD) calculation does not provide useful spike recovery information.

- TPH, C10-C40 Range: TPH was detected in two of seven wells at a concentration of 0.11J mg/L (MC-MW-33) and 0.9 QP1 mg/L (MC-MW-34). The latter result is qualified to reflect quantitation of individual peaks within the hydrocarbon range.

- Ethanol: Ethanol was detected in one of seven wells at a concentration of 0.72 mg/L and significantly below the NDEP BCL of 730 mg/L.

- Methanol: Methanol was detected in two of seven wells in concentrations of 0.32J and 0.38J mg/L and significantly below the NDEP BCL of 18.3 mg/L.

PCBs:

No Aroclors were detected by EPA Method 8082. Non-Aroclor PCBs were detected in groundwater at all seven wells ranging in total concentration from 80 to 1,270 picograms per liter (pg/L), significantly below the EPA MCL of 500,000 pg/L. Non-Aroclor PCB results are presented in **Table 8** (EPA Method 1668).

Perchlorate:

Perchlorate was detected in groundwater at six of the seven wells in concentrations ranging from 0.13J to 480,000 µg/L. A perchlorate concentration exceeding the NDEP BCL of 18 µg/L was detected in three of the seven wells, MC-MW32 (350 µg/L), MC-MW-35 (430 µg/L), and MC-MW-37 (480,000 µg/L). The concentration of perchlorate detected at well MC-MW-37 (480,000 µg/L) was significantly higher than the concentrations detected in the other five wells (0.13J to 430 µg/L). Perchlorate results are presented in **Table 9** and mapped in **Figure 11**.

Aldehydes:

Acetaldehyde was the only aldehyde detected in this investigation and was only detected in one of seven wells (MC-MW-37) at a concentration of 72 µg/L, slightly exceeding the NDEP BCL of 65.7 µg/L. Aldehydes results are presented in **Table 10**.

Alkalinity:

Alkalinity results are presented in **Table 11**.

Inorganics, Anions, and Other Analyses:

Inorganics, anion, and cation results are presented in **Table 12**. The balance of anions and cations was evaluated as discussed in Section 4.2.1 and in accordance with NDEP comments (NDEP, 2011a). Nitrate was the only inorganic detected at a concentration exceeding its respective EPA MCL or NDEP BCL in at

least one sample. A nitrate concentration exceeding the EPA MCL of 10 mg/L was detected in one of seven wells, MC-MW-37 (26 mg/L).

Organic Acids:

4-Chlorobenzenesulfonic acid was detected in five of seven wells at concentrations ranging from 0.058 to 29 mg/L, all of which were below the NDEP BCL of 36.5 mg/L. Additional organic acids were detected in one of the seven wells (MC-MW-34) at low concentrations below their respective NDEP BCLs including benzenesulfonic acid (0.46 mg/L), diethyl phosphorodithioic acid (0.20 mg/L), and dimethyl phosphorodithioic acid (0.46 mg/L). Organic acid results are presented in **Table 13**.

4.1 QA/QC Results

Analytical results for the quality assurance/quality control (QA/QC) samples collected during the UMCf Additional Investigation in August 2011 and the site-wide groundwater sampling event in April 2011 are provided in **Table 15**.

Trip Blanks: Four trip blanks, TB-20110427, TB-20110428, TB-20110429 and TB083111A were collected during the UMCf Additional Investigation and site-wide groundwater sampling event. The trip blanks were analyzed for VOCs by EPA Method 8260B. Chloroform and methylene chloride were detected in sample TB-20110427 at concentrations of 0.83J µg/L and 1.5 µg/L, respectively.

Equipment Blank: One equipment blank, EB083111A, was collected during the UMCf Additional Investigation and analyzed for full site related compounds (SRC) list. There were no analytes detected in this sample.

Field Blanks: One field blank, FB083111Awas collected during the UMCf Additional Investigation and analyzed for VOCs by EPA Method 8260B. Toluene was detected in the field blank sample at a concentration of 0.39J.

Duplicate Sample: For well MC-MW-33, a duplicate set of sample containers was filled immediately following the collection of the corresponding primary sample in November 2010. The duplicate sample was handled and analyzed in an identical fashion as the primary sample. The duplicate sample results closely mirrored the primary sample results with relative percent differences (RPDs) between 5% and 9% for VOCs detected at concentrations exceeding the reporting limits. Although the November 2010 results were not validated, the RPD of the duplicate result is presented for data quality purposes.

4.2 Data Validation

The initial groundwater results from five of the new UMCf wells (MC-MW-32, 33, and 36 through 38), sampled in November 2010, were not validated. However, these wells were re-sampled in April 2011 as part of the site-wide annual groundwater sampling program, and the results were validated as documented in the report for that sampling event (H+A, 2011). The validated April 2011 results from these five wells are presented in this report in lieu of the unvalidated November 2010 results.

The groundwater results from the final two new UMCf wells (MC-MW-34 and 35), sampled in August 2011, were validated in accordance with the *Quality Assurance Project Plan, Site-Wide Soil and Groundwater Investigations, Former Montrose and Stauffer Sites* (QAPP)(H+A, 2006) and the *EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (EPA, 2008). All of the analytical data for this project was provided in EPA Level 4 format. EPA Level 4 validation was performed for each method by review of the raw data, and at a minimum, all of the definitive-level analytical data were validated at EPA Level 3.

Qualifiers were assigned by the reviewer to all definitive-level data that failed to meet specified analytical and QC criteria. Four sample results (approximately 0.5% of the definitive-level data) were qualified as rejected (R) due to sample results reported at concentrations less than the associated laboratory blank. Approximately 2.8% of the definitive-level data were qualified as estimated (J) for exceeding quality assurance objectives and may be quantitatively uncertain. Results qualified as estimated are generally for minor quality control outliers, and the qualifications do not significantly affect project objectives. The data review and validation performed on the entire definitive-level data set indicate the overall high quality of the data collected for this project. The data validation report is provided in **Appendix H.**

4.2.1 ANION-CATION BALANCE

As part of the data validation process, the anion-cation balance was checked in accordance with the methodology established by NDEP (NDEP, 2009). The balance check was conducted by calculating the cation and anion sums in milliequivalents per liter (meq/L). The balance check was conducted on the August 31, 2011 results for wells MC-MW-34 and MC-MW-35. For these two wells, the anion sums were determined to be 63.2 and 10.1 meq/L respectively. The percent difference between cation and anion sums were -0.2% and +1.4% respectively, which is within the acceptable range of ±5%.

In accordance with the NDEP guidance, the measured TDS to calculated TDS ratio was additionally checked. For well MC-MW-34, the measured TDS was 3,500 mg/L as compared with the calculated

TDS of 3,710 mg/L, resulting in a ratio of 0.94. For well MC-MW-35, the measured TDS was 700 mg/L as compared with the calculated TDS of 644 mg/L, resulting in a ratio of 1.09. Per the NDEP guidance, a TDS ratio between 1.0 and 1.2 is considered acceptable.

Also in accordance with the NDEP guidance, the ratio of laboratory TDS to electrical conductivity (EC) was checked. ECs of 6,200 and 1,100 umhos/cm were recorded at the end of groundwater purging at MC-MW-34 and MC-MW-35 respectively. Therefore, the TDS:EC ratios for these wells are 0.57 and 0.64 respectively. Per the NDEP guidance, a TDS:EC ratio between 0.54 and 0.96 is considered acceptable for groundwater with less than 10,000 mg/L TDS.

Based on the above analysis and in accordance with the NDEP guidance, the results from MC-MW-35 meet the balance checks, and therefore, none of the data was flagged. However, the TDS ratio for MC-MW-34 is just below the acceptable range, and therefore, the TDS result is considered estimated and flagged with "J-TDS". A copy of the balance check table and spreadsheet are provided in **Appendix H**.

5.0 SLUG TESTING

Slug testing of the new UMCf wells was conducted on November 11 and 12, 2010 and August 28, 2011 using the methods previously established for the Site (H+A, 2007). At each well, the hydraulic conductivity was tested by lowering a slug into groundwater and measuring the corresponding water level response over time. Responses were measured during both the "slug in" and "slug out" steps. One slug in and one slug out test were conducted at each new UMCf well. A slug with dimensions of 0.75-inches diameter by 10 feet long was used to displace groundwater during aquifer testing, and a wireline development rig was used to lower the slug in and out of the well. The slug and other aquifer testing equipment were decontaminated before and after each test using a steam cleaner.

An In-Situ PXD-260 vented pressure transducer was placed in the bottom of the well and connected to a Win-Situ 2000 datalogger. The datalogger was programmed to record data more frequently at the start of the test (when water levels are changing rapidly) and less frequently at the end of the test (as water levels stabilize). Between 100 and 300 water level readings were recorded by the datalogger during each slug test. Manual readings of water level were additionally recorded using a Solinst water level meter to confirm the data recorded electronically by the datalogger. For each slug test, water levels were allowed to stabilize before terminating the test. The duration of each slug in or slug out test ranged from a minimum of 4 minutes at MC-MW-37 to a maximum of 60 minutes at MC-MW-32, MC-MW-34, and MC-MW-36.

The slug test data was analyzed using Aqtesolv™ Pro 4.0, and the hydraulic conductivity was estimated for both the slug in and slug out tests using both the Bouwer-Rice and Hvorslev solutions (**Table 16**). The average hydraulic conductivity was then determined by calculating the arithmetic mean of the four different values and summarized as follows:

Well ID	Average Hydraulic Conductivity (ft/day)
MC-MW-32	0.047
MC-MW-33	0.008
MC-MW-34	0.078
MC-MW-35	0.954
MC-MW-36	0.056
MC-MW-37	8.602
MC-MW-38	0.212

ft/day = feet per day

Wells MC-MW-32, MC-MW-33, MC-MW-34, and MC-MW-36 exhibited very low hydraulic conductivities consistent with the slow recharge rates observed during development (<0.1 gpm) and consistent with low permeability silts and clays (Freeze and Cherry, 1979). Wells MC-MW-35, MC-MW-37 and MC-MW-38 exhibited higher hydraulic conductivities consistent with the higher recharge rates observed during development. The hydraulic conductivity exhibited by well MC-MW-37 (8.602 ft/day) is comparable to the hydraulic conductivity of a silty sand or fine-grained sand (Freeze and Cherry, 1979). A summary of the estimated hydraulic conductivities is presented in **Table 16**, and backup documentation from the Aqtesolv™ software is provided in **Appendix I**.

6.0 MASS FLUX CALCULATIONS

The horizontal and vertical mass flux of VOCs at each of the newly installed UMCf wells was estimated in accordance with the methods specified in the Workplan (H+A, 2010a). The mass flux was estimated using the following equation:

$$Q = K * i * A * Mconc * CF$$

Where,

Q = Mass flux rate in pounds per day (lbs/day)
K = Hydraulic conductivity (ft/day)
i = Horizontal hydraulic gradient (ft/ft)
A = Cross-sectional area in square feet (ft^2)
Mconc = VOC concentration in grams per liter (g/L)
CF = Correction factor of 0.06239 (28.3 liters per cubic feet / 453.6 grams per pound)

6.1 HORIZONTAL MASS FLUX

Hydraulic Conductivity: The average hydraulic conductivity from the slug tests for each of the seven new UMCf monitoring wells (**Table 16**) was used in this calculation. For the purposes of this calculation, it was assumed that the hydraulic conductivity from the slug tests was representative of the horizontal flow direction. Existing monitoring well MC-MW-29 was previously slug tested, and therefore, the results from this well were also included in the calculation to provide a comprehensive evaluation of the mass flux. However, existing monitoring wells MC-MW-30 and MC-MW-31 have not been slug tested, and therefore, these wells were excluded from the estimates of mass flux in the UMCf. These wells also occur in the same cross-sectional area as MC-MW-34.

Hydraulic Gradient: Horizontal hydraulic gradients ranged from approximately 0.014 to 0.017 ft/ft based on the water elevation map provided as **Figure 6**. The horizontal hydraulic gradient at each well was used in this calculation.

Cross-Sectional Area: A cross-sectional area was assigned to each well for use in this calculation as shown in **Figure 13**. Unlike the overlying Alluvial Aquifer, where the cross-sectional area of the channel sand can be estimated with some degree of accuracy, a different approach was necessary for estimating cross-sectional area within the underlying low permeability UMCf.

The cross-sectional area is the product of the cross-sectional width and the vertical thickness of the UMCf. In accordance with NDEP comments (NDEP, 2011a), the vertical thickness assigned to each well is the distance between the top of the UMCf and the bottom of the screen interval. For the newly installed UMCf wells, the vertical thickness varies between 23 and 27 feet. For existing well MC-MW-29, which has a 30 foot screen interval, the vertical thickness is 36 feet.

The cross-sectional width of the southern transect shown in Figure 4 (A-A') is 2,546 feet. For purposes of comparing horizontal mass flux estimates and in accordance with NDEP comments, the cross-sectional width of the northern transect (B-B') was also assumed to be 2,546 feet. The cross-sectional width assigned to each individual well is shown in Figure 13 and varies between 378 and 1,290 feet. The total cross-sectional area of the southern transect is approximately 67,800 square feet while the cross-sectional area of the northern transect is approximately 61,200 square feet.

The horizontal mass flux of VOCs in the UMCf at the two downgradient transects was estimated as shown in **Table 17A** and summarized below. In addition to total VOCs, the mass flux of benzene, chlorobenzene, and TTHM is provided in Table 17A.

Horizontal Mass Flux of Total VOCs in the UMCf

Well ID	**Estimated Horizontal Mass Flux – Total VOCs**	
	(lbs/day)	**(days/lb)**
MC-MW-29	0.054932	18
MC-MW-32	0.000031	31,902
MC-MW-33	0.000003	385,353
MC-MW-34	0.003114	321
MC-MW-35*	0.000005	221,607
Subtotal	**0.058084**	**17**
MC-MW-36	0.000540	1,851
MC-MW-37*	0.009654	104
MC-MW-38	0.002734	366
Subtotal	**0.012928**	**77**

* No VOCs detected at concentrations exceeding EPA MCLs

Mass flux rates in the UMCf wells are highly variable because of significantly varying hydraulic conductivities. With the exception of wells MC-MW-29 and MC-MW-37, the mass flux rates are relatively low and would require approximately one year or more for one pound of VOCs to flux through the UMCf as indicated above. Additionally, none of the VOC mass flux at MC-MW-37 occurs in concentrations exceeding EPA MCLs. Overall, the horizontal mass flux of VOCs in the UMCf is

relatively minor in comparison with the estimated mass flux of VOCs in the Qal along the extraction well line and captured by the GWTS.

However, the above approach can result in an over-estimation of the horizontal mass flux if the measured hydraulic conductivity is not representative of the assumed vertical thickness of the UMCf. Where thin sand or gravel lenses were encountered, the UMCf wells exhibited higher hydraulic conductivities. Those hydraulic conductivities may be representative of a smaller vertical thickness than assumed in the above calculation. A clayey sand with gravel was encountered from 56 to 58 feet bgs at MC-MW-37, although the majority of the UMCf at this location was composed of lean clay. The measured hydraulic conductivity (8.602 ft/day) is primarily influenced by this 2-foot sand interval within the screened zone. Coarse-grained intervals were not encountered elsewhere within the 23 feet of vertical thickness assumed for the UMCf at this well. Application of the hydraulic conductivity of 8.602 ft/day across the entire 23 feet of vertical thickness likely results in over-estimation of the mass flux rate at MC-MW-37. In general, for wells with sand or gravel lenses encountered within the screened intervals but not elsewhere within the assumed vertical thickness, the horizontal mass flux in the UMCf may be over-estimated using this approach.

The UMCf is not a closed system, and unlike the overlying Qal, the low permeability aquitard cannot be defined laterally by flow boundaries or lithologic changes. The cross-sectional limits of the mass flux calculations are based on the assumptions used for cross-sectional areas and do not reflect lithologic, flow, or concentration boundaries. The horizontal mass flux rates in the UMCf across the two transects are compared as follows:

- The benzene mass flux rate in the northern transect is approximately 14.2% of the flux rate in the southern transect.
- The chlorobenzene mass flux rate in the northern transect is approximately 4.8% of the flux rate in the southern transect.
- The TTHM mass flux rate in the northern transect is 24 times the flux rate in the southern transect.
- The mass flux rate of total VOCs in the northern transect is 22.3% of the flux rate in the southern transect (including TTHM).

There are several possible reasons for the apparent loss of VOC horizontal mass flux rates between the two roughly parallel transects including:

- The estimated horizontal mass flux rates at individual wells may be over or under-estimated. The mass flux rates are estimates and dependent on the results of slug tests, which test near-well conditions. The actual mass flux across the UMCf may be lower or greater than the current estimates due to uncertainties associated with the measurements of hydraulic conductivity. Also, the estimates of horizontal mass flux within the UMCf are complicated by the occurrence of thin sand or gravel lenses in some wells.

- Well MC-MW-29 has a 30-foot screen interval, and therefore, the horizontal mass flux rate from this well assumes a thicker vertical interval than the other UMCf wells. Consequently, the estimated horizontal VOC mass flux rate at MC-MW-29 represents approximately 95% of the total horizontal mass flux along the southern transect. All three of the UMCf wells along the northern transect have 10-foot screen intervals.

- The concentrations of VOCs within the UMCf may be attenuating in the downgradient direction due to adsorption or degradation.

- Vertical VOC mass flux, either up or down, may result in a net gain or loss through the UMCf. This would be primarily associated with advective transport (i.e., bulk groundwater flow), although diffusion and dispersion could also contribute to vertical flux.

6.2 VERTICAL MASS FLUX

Hydraulic Conductivity: The vertical hydraulic conductivity of the UMCf has not been measured at the Site, and it is necessary to make some assumptions based on soil type and depositional environment in order to evaluate potential vertical mass flux rates. The soil layers at the Site were deposited horizontally as demonstrated by the horizontal orientation of the sand and gravel lenses within the UMCf. For this reason, the horizontal hydraulic conductivity of the UMCf is expected to be greater than the vertical hydraulic conductivity. In accordance with NDEP comments (NDEP, 2011a), the vertical hydraulic conductivity of the UMCf may be 10 times lower than the corresponding horizontal hydraulic conductivity (i.e., Kv = Kh/10). Under this assumption, the vertical hydraulic conductivities in the UMCf would between 0.0008 and 0.8602 ft/day.

For a low permeability aquitard composed primarily of silts and clays with approximately 10% sand, vertical hydraulic conductivities between approximately 0.0003 and 0.3 ft/day would be expected (Freeze and Cherry, 1979). The upper end of the above assumed vertical hydraulic conductivities is outside of the expected range. Although this permeability assumption is reasonable for most UMCf wells, the ratio of

vertical to horizontal hydraulic conductivity could be even lower for UMCf wells with horizontally oriented sand or gravel lenses. Where the horizontal hydraulic conductivity of the UMCf is elevated by the occurrence of a thin sand or gravel lense, the vertical hydraulic conductivity will still be limited by the low permeability silts and clays overlying the lense. In the absence of a vertical communication pathway, such as a fracture, the vertical hydraulic conductivity of the UMCf may be 100 times lower than the corresponding horizontal hydraulic conductivity (i.e., Kv = Kh/100) or more in some cases. Under this assumption, the vertical hydraulic conductivities in the UMCf would be between 0.00008 and 0.08602 ft/day. The upper end of these assumed hydraulic conductivities is within the expected range, but the lower end is outside of the expected range.

Since the vertical hydraulic conductivity of the UMCf is not known with a high degree of precision, both assumptions were used to estimate vertical mass flux in the UMCf. It is expected that the true vertical mass flux in the UMCf would occur over this range, if not below.

Hydraulic Gradient: The vertical hydraulic gradients estimated in Section 3.1 and shown in Table 2 were used to estimate vertical mass flux. Since vertical hydraulic gradients could only be calculated for five of the Qal/UMCf well pairs considered by this investigation, the vertical mass flux could only be estimated at five of the well locations. Where the vertical hydraulic gradient is upward (UMCf to Qal), the VOC concentrations in the UMCf wells are used to estimate mass flux. However, where the vertical gradient is downward (Qal to UMCf), the VOC concentrations in the paired Qal wells are used to estimate mass flux. The vertical gradients are downward at MC-MW-34 and MC-MW-35, and therefore, the VOC concentrations detected at Qal Wells J and A (in April 2011), respectively, were used to estimate mass flux.

Cross-Sectional Area: The cross-sectional area assumed for each well is shown in Figure 13. A rectangular grid was assumed where each UMCf well considered by this investigation represented the center of a grid cell. The widths of the grid cells assumed for this calculation were identical to the transect widths assumed for the horizontal mass flux calculation. The length of the grid cells was assumed to be the distance between the two transects or approximately 950 feet. By assuming this length, the cross-sectional area between the two transects is fully considered by this estimate. The overall cross-sectional area considered by this estimate is 2.4 million square feet for each transect or a total of 4.8 million square feet.

The vertical mass flux in the UMCf was estimated using the above assumptions as shown in **Tables 17B and 17C** and summarized below.

Vertical (Upward) Mass Flux of Total VOCs in the UMCf

Well ID	Estimated Vertical Mass Flux – Total VOCs			
	Kv = Kh/100		Kv = Kh/10	
	(lbs/day)	(days/lb)	(lbs/day)	(days/lb)
MC-MW-29	0.025581	39	0.255810	4
MC-MW-32	Not Applicable – Qal is dry at this location			
MC-MW-33	0.000005	201,750	0.000050	20,175
MC-MW-34	-0.000435	2,299	-0.004350	230
MC-MW-35*	-0.000002	559,848	-0.000018	55,985
Subtotal	**0.025149**	**40**	**0.251491**	**4**
MC-MW-36	Not Applicable – Qal is dry at this location			
MC-MW-37*	0.027912	36	0.279116	4
MC-MW-38	Not Applicable – Qal is dry at this location			
Subtotal	**0.027912**	**36**	**0.279116**	**4**

* No VOCs detected at concentrations exceeding EPA MCLs
Positive values reflect an upward mass flux while negative values reflect a downward mass flux.

7.0 SUMMARY AND CONCLUSIONS

An additional groundwater investigation of the UMCf was conducted between November 1, 2010, and August 31, 2011. Seven planned groundwater monitoring wells were installed at the Site to further evaluate the possible presence of chemicals in the UMCf, to evaluate hydraulic parameters and calculate the mass flux of any site-related chemical present. Four wells, MC-MW-32 through MC-MW-35, were generally installed along the transect formed by the GWTS extraction wells while three wells, MC-MW-36 through MC-MW-38, were installed as a transect paralleling the extraction well line approximately 1,000 feet downgradient. In all cases, an 8-inch diameter steel conductor casing was installed to isolate the Qal before drilling and constructing a 2-inch diameter Schedule 80 PVC well into the UMCf (with 10-foot screened intervals).

The objectives of the additional groundwater investigation were met by installing, developing, sampling, and slug testing the seven new UMCf wells. A discussion of how the investigation objectives were met is provided below.

Objective 1: Characterize vertical hydraulic gradients between the Quaternary alluvium (Qal) and the underlying upper portion of the upper Muddy Creek formation (UMCf) directly beneath and downgradient of the GWTS.

Investigation Results: This objective was met to the extent feasible by measuring hydraulic heads in the new UMCf wells and comparing them against hydraulic heads in paired or nearby Qal wells to establish a vertical hydraulic gradient. After correcting for differences in groundwater density, upward vertical hydraulic gradients between 0.030 and 0.119 ft/ft were determined at three of the downgradient UMCf wells including MC-MW-29, 33, and 37. These upward vertical gradients are between approximately 2 and 7 times their respective horizontal hydraulic gradients. Downward vertical gradients between 0.006 and 0.103 ft/ft were determined at four of the downgradient UMCf wells including MC-MW-30, 31, 34, and 35. These downward vertical gradients are between approximately 0.4 and 6 times their respective horizontal gradients. Vertical gradients could not be determined at the remaining three downgradient UMCf wells due to unsaturated conditions in the Qal.

Objective 2: Evaluate the potential for chemical migration in groundwater (mass flux) which may be occurring within the upper portion of the UMCf below the influence of the GWTS extraction wells.

Investigation Results: This objective was met by gauging, sampling, and slug testing the new UMCf wells. The mass flux of chemicals in groundwater within the upper portion of the UMCf was evaluated

using these investigation results. The horizontal mass flux rate along two cross-sectional transects were estimated as described in Section 6.1 and presented in Table 17A. The southern transect was located along the extraction well line and included UMCf wells MC-MW-29 and MC-MW-32 through MC-MW-35. The mass flux rate of total VOCs in the UMCf along this transect was estimated to be approximately 0.058 pounds per day or one pound every 17 days. Nearly 95% of the horizontal mass flux along this transect was due to well MC-MW-29, with the remaining 5% from well MC-MW-34. The remaining three wells located along this transect contributed less than 0.1% of the horizontal mass flux. The majority of the mass flux rate (89%) was due to the occurrence of benzene and chlorobenzene. The mass flux rate of TTHM along this transect was not significant at approximately 0.0003 pounds per day or one pound every 3,500 days. Overall, the horizontal mass flux of VOCs in the UMCf is relatively minor in comparison with the estimated mass flux of VOCs in the Qal along the extraction well line and captured by the GWTS.

The northern transect, consisting of wells MC-MW-36 through MC-MW-38, was located approximately 1,000 feet downgradient and roughly parallel to the southern transect. The mass flux rate of total VOCs in the UMCf along this downgradient transect was estimated to be approximately 0.013 pounds per day or one pound every 77 days. Although no VOCs were detected at well MC-MW-37 in concentrations exceeding EPA MCLs, this well contributed 75% of the mass flux rate along this transect. MC-MW-36 and MC-MW-38 contributed 4% and 21% respectively to the mass flux rate along this transect. However, unlike the southern transect, the majority of the mass flux rate (54%) was due to the occurrence of TTHM. The horizontal mass flux rate of benzene and chlorobenzene were not significant along the downgradient transect, at approximately 0.0023 and 0.0017 pounds per day or one pound every 442 to 581 days, respectively.

There is an apparent net loss of VOC horizontal mass flux between the two transects. There are several possible reasons for the apparent loss of VOC horizontal mass flux rates as explained in Section 6.1. However, in spite of the uncertainties, the benzene and chlorobenzene mass flux rate in the UMCf is significantly lower along the downgradient transect than the extraction well line transect. Conversely, the TTHM mass flux rate in the UMCf is significantly higher along the downgradient transect than the extraction well line transect.

Although the vertical hydraulic conductivities in the UMCf have not been measured, the vertical mass flux rate of VOCs in the UMCf was estimated assuming a range of hydraulic conductivities representative of the soil type and depositional environment as described in Section 6.2 and shown in Tables 17B and 17C. Vertical upward mass flux rates were estimated assuming vertical hydraulic conductivities between

10 and 100 times lower than their respective horizontal hydraulic conductivities. Based on these assumptions, the vertical upward mass flux rate of total VOCs in the UMCf was estimated as follows:

- Between 0.026 and 0.26 pounds per day at MC-MW-29, primarily benzene and chlorobenzene.
- Between 0.000005 and 0.00005 pounds per day at MC-MW-33, although benzene was the only VOC detected at this well above its respective EPA MCL.
- Between 0.028 and 0.28 pounds per day at MC-MW-37, although no VOCs were detected at this well in concentrations exceeding their respective EPA MCLs.

A slightly downward vertical mass flux rate, up to 0.004 pounds per day, was determined at wells MC-MW-34 and MC-MW-35, primarily chlorobenzene. No vertical mass flux rate between the Qal and UMCf could be determined at MC-MW-32, 36, and 38 due to unsaturated conditions in the Qal.

Depending on the assumed vertical hydraulic conductivity, the upward vertical mass flux rates of VOCs from the UMCf may exceed the corresponding horizontal mass flux rates. Although there is some uncertainty associated with the vertical upward mass flux of VOCs in the UMCf, the estimated range can be further bounded by comparison with the horizontal mass flux in the Qal. The vertical mass flux rate from the UMCf cannot exceed the horizontal mass flux rate in the Qal across a downgradient transect.

8.0 REFERENCES

AECOM, 2011. *Report for the Additional Investigation of the Upper Portion of the Muddy Creek Formation, OSSM Joint Groundwater Program*, Henderson, Nevada, May 25.

de Marsily, 1986. *Quantitative Hydrogeology: Groundwater Hydrology for Engineers*, Ghislain de Marsily, Academic Press, Florida, 440.

EPA, 2008. *EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540/R-08/01, June.

Freeze and Cherry, 1979. *Groundwater*, R. Alan Freeze and John A. Cherry, Prentice-Hall, Inc., New Jersey.

H+A, 2006. *Quality Assurance Project Plan, Site-Wide Soil and Groundwater Investigations, Former Montrose and Stauffer Sites, Former Montrose and Stauffer Sites*, Henderson, Nevada, Revision 1.0.

H+A, 2007. *Field Sampling and Standard Operating Procedures, Site-Wide Soil and Groundwater Investigations, Former Montrose and Stauffer Sites*, Revision 2.0, Henderson, Nevada, May 11.

H+A, 2009. *Capture Zone Analysis For The Groundwater Treatment System*, Henderson, Nevada.

H+A, 2010a. *Workplan To Conduct An Additional Investigation Of The Upper Portion Of The Muddy Creek Formation To Support Capture Analysis For The Groundwater Treatment System*, Henderson, Nevada, May 13.

H+A, 2010b. *2010 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities*, Revision 1.0, Henderson, Nevada, September 21.

H+A, 2011. *2011 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities and Current Olin Facility*, Henderson, Nevada, August 18.

NDEP, 2008. *Guidance on the Development of Summary Statistics Tables, BMI Plant Sites and Common Areas Projects*, Henderson, Nevada. December 10.

NDEP, 2009. *Cation-Anion Balance – Updated Guidance, BMI Plant Sites and Common Areas Projects*, Henderson, Nevada, September 28.

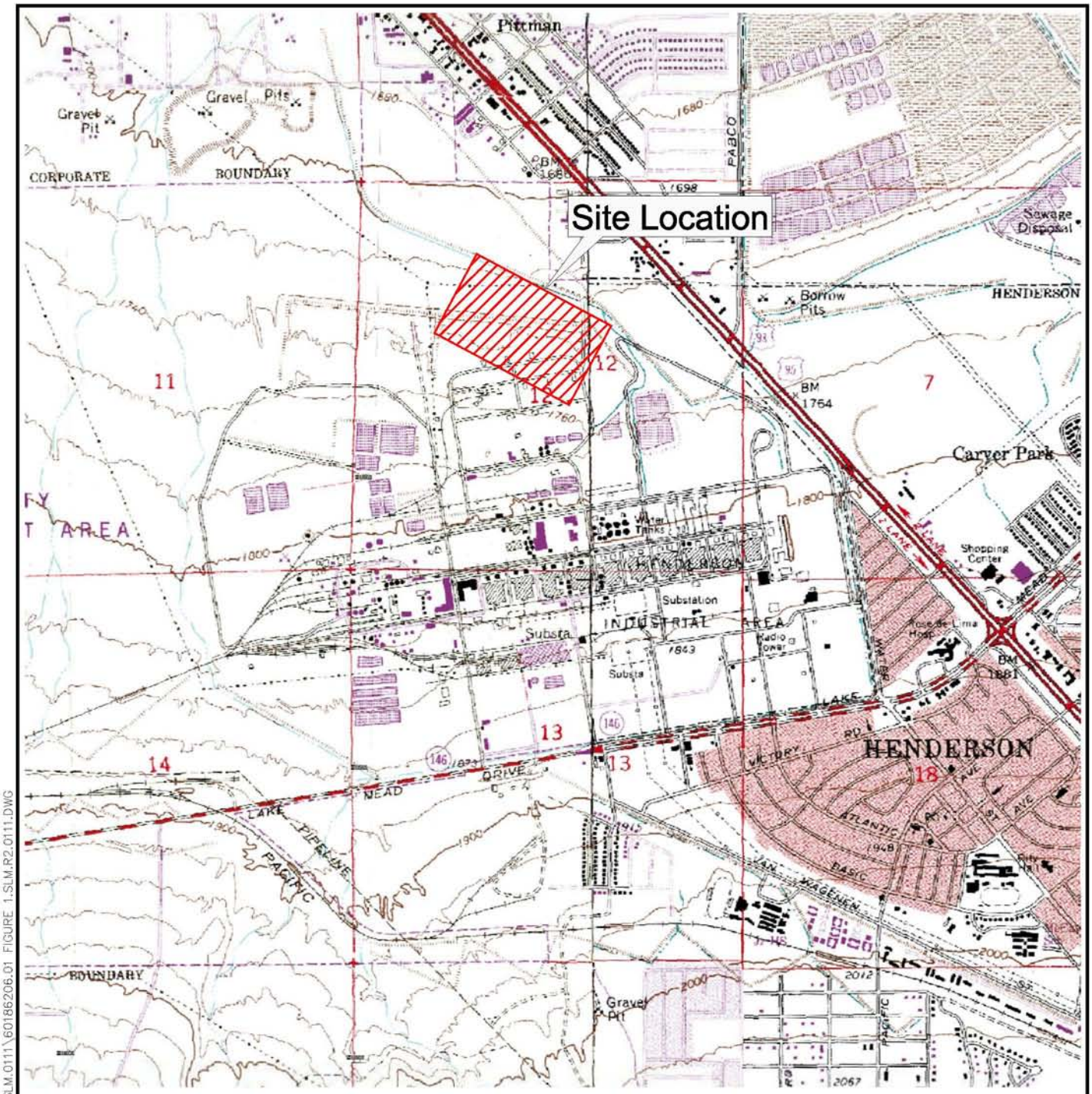
NDEP, 2010. Approval Letter to the Companies, *Workplan To Conduct An Additional Investigation Of The Upper Portion Of The Muddy Creek Formation To Support Capture Analysis For The Groundwater Treatment System*, Henderson, Nevada. May 17.

NDEP, 2011a. Letter to OSSM Companies, *NDEP Response to: Report for the Additional Investigation of the Upper Portion of the Muddy Creek Formation, OSSM Joint Groundwater Program*, Henderson, Nevada. June 28.

NDEP, 2011b. Nevada Division of Environmental Protection Response to: *Development of Toxicity Criteria for Hexachlorocyclohexane Isomers* (Integral; August 23, 2011). September 8.

Post, et. al., 2007. *Using Hydraulic Head Measurements in Variable-Density Ground Water Flow Analyses*, Vincent Post, Henk Kooi, and Craig Simmons, Vol. 45, No. 6, Ground Water, pages 664-671, November-December 2007,

FIGURES



References:

1. U.S.G.S. 7.5 Minute Topographic Quadrangle, Henderson, Nevada, Photorevised 1986. Image from MS Terraserver, Copyright 2010.

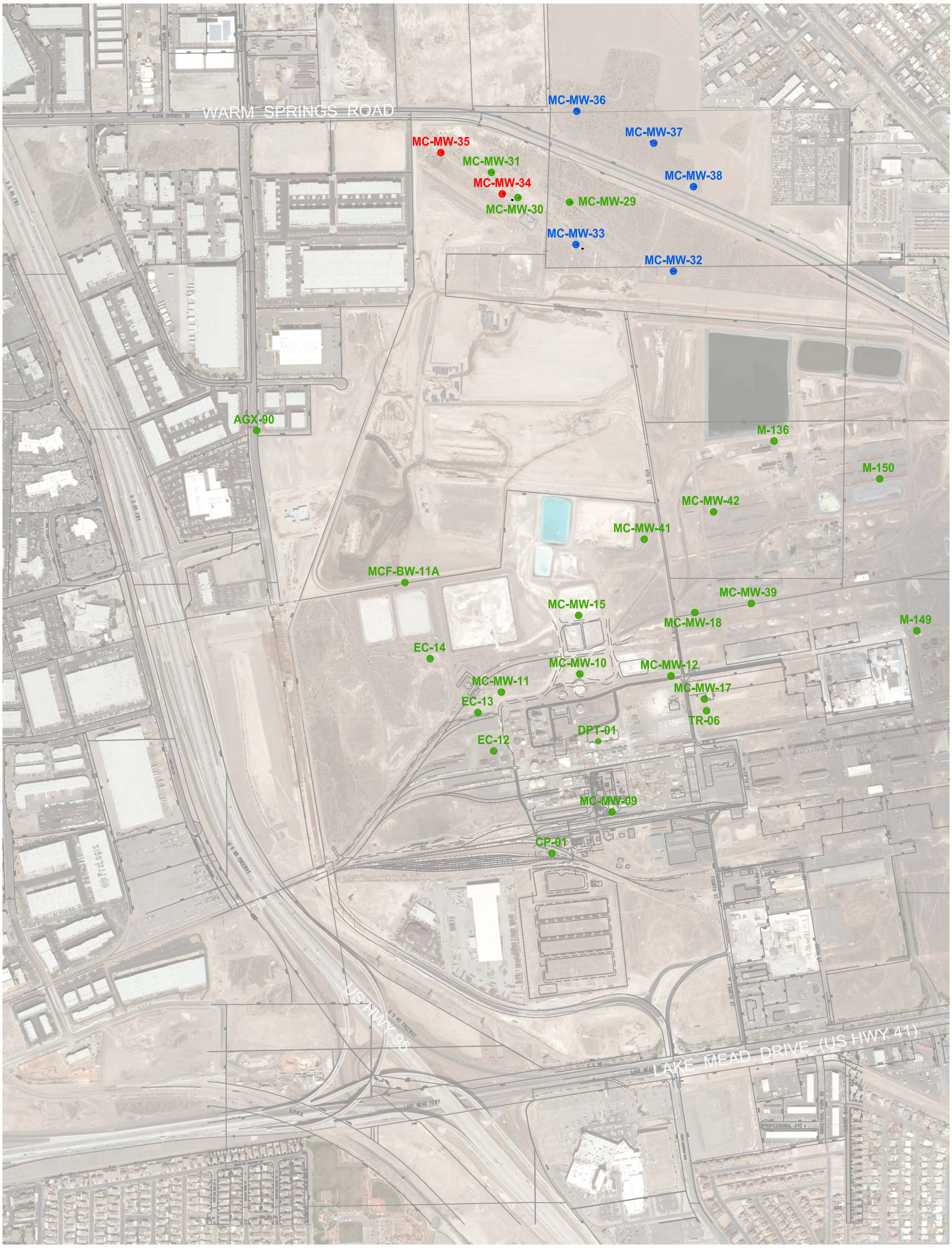
NORTH

0 1000 2000 FEET

SCALE: 1"= 2000'

Site Location Map		
Date: 01-11	Henderson Site Trust	Figure 1
Project No. 60186206	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SLM\2011\SLM.0111\60186206.01 FIGURE 1.SLM.R2.0111.DWG



Legend:

CP-01	UMC_f MONITORING WELL LOCATION
MC-MW-36	UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
MC-MW-35	NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
UMC_f	UPPER MUDDY CREEK FORMATION

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

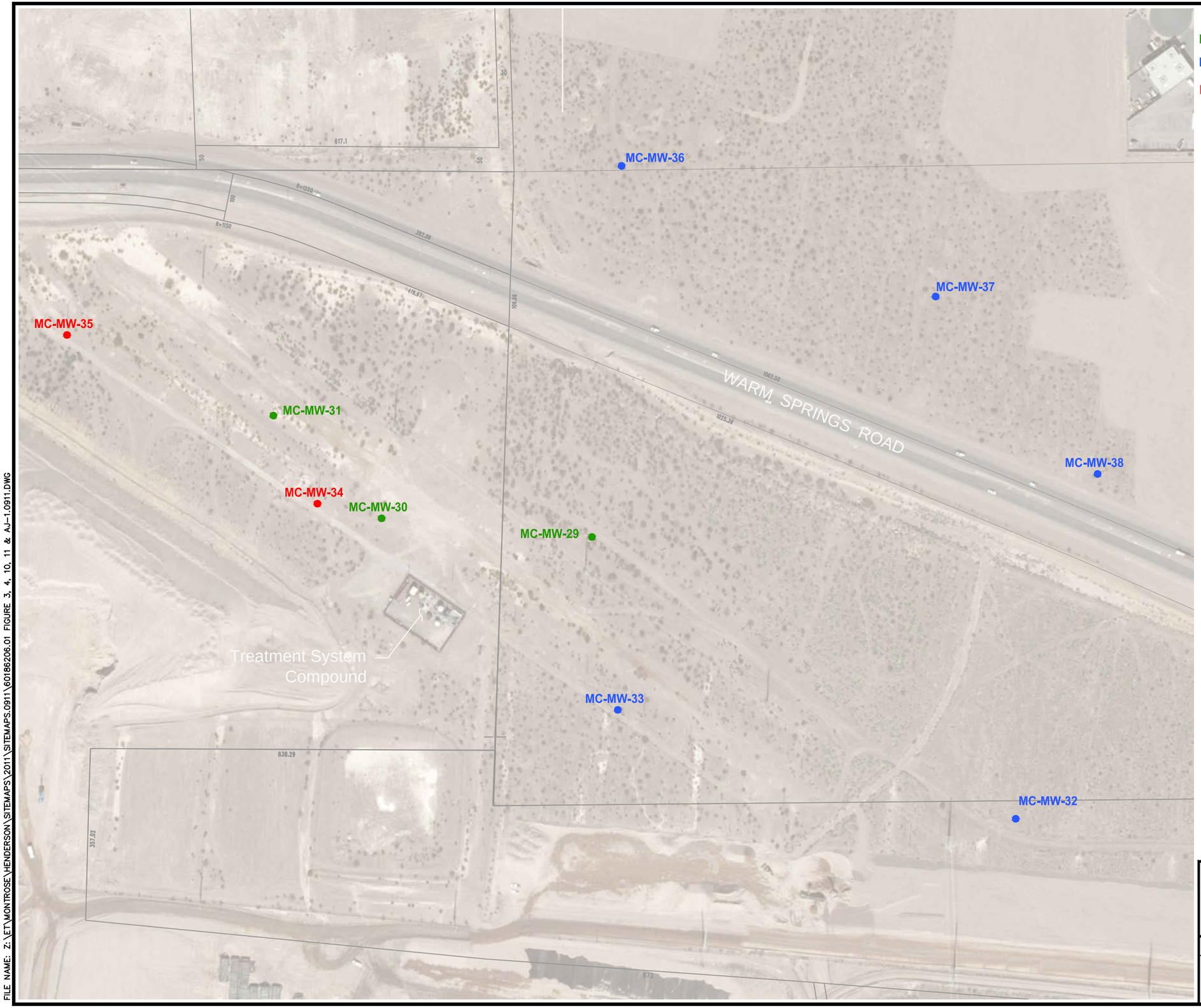
0 400 800 FEET

SCALE: 1"= 800'

Overall Site Property / Facility Layout Showing UMC_f Monitoring Well Locations

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	2

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 2.0911.DWG (1:1)



Legend:

MC-MW-29	UMC_f MONITORING WELL LOCATION
MC-MW-36	UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
MC-MW-35	NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
UMC_f	UPPER MUDDY CREEK FORMATION

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

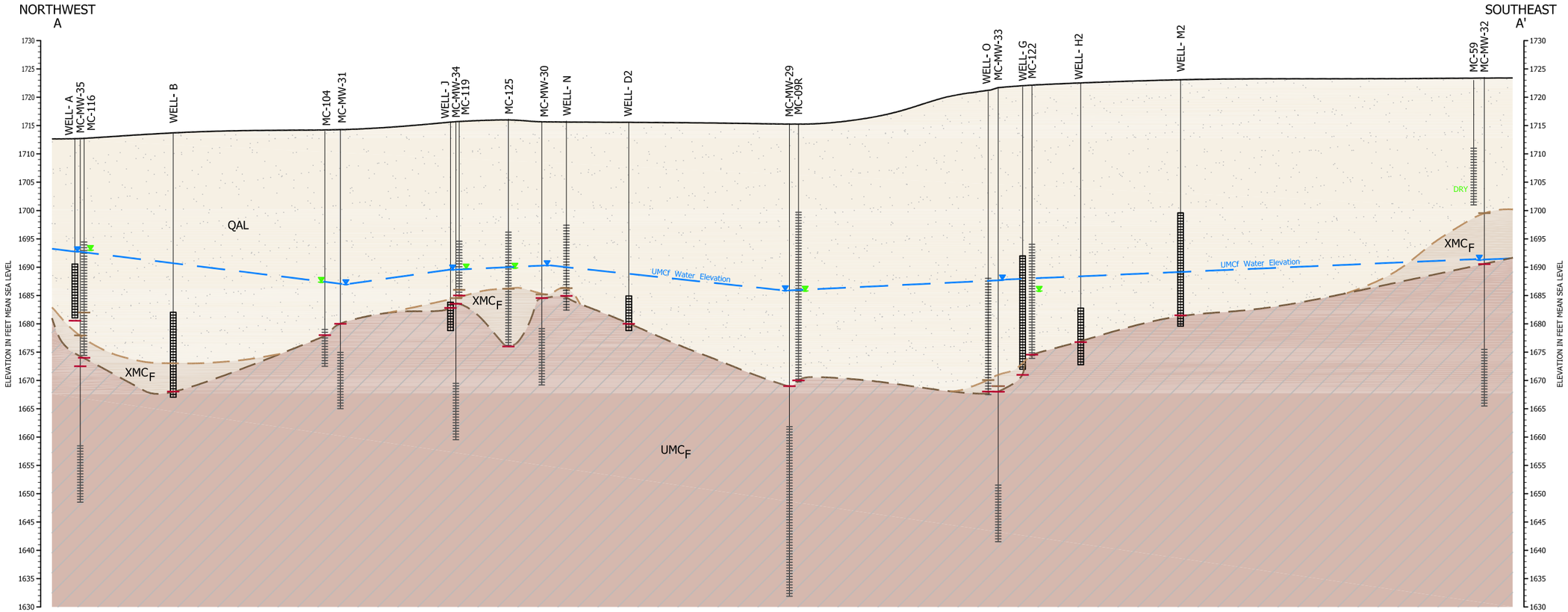
0 100 200 FEET

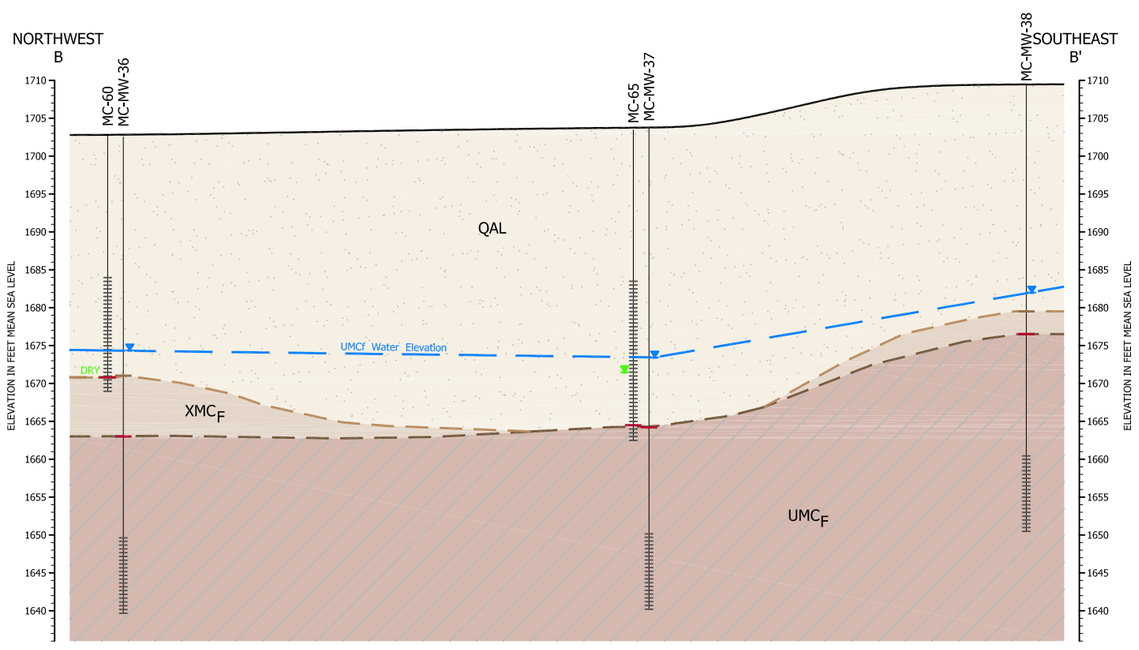
SCALE: 1"= 200'

Groundwater Treatment System Area
UMC_f Monitoring Well Locations

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	3

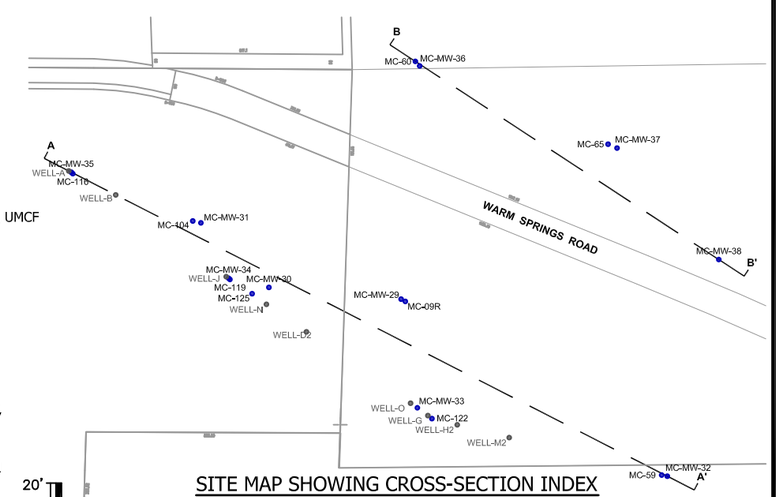
FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 3, 4, 10, 11 & AJ-1.0911.DWG





EXPLANATION

- QUATERNARY ALLUVIUM, QAL
- TRANSITION ZONE, XMCF
- TERTIARY UPPER MUDDY CREEK FORMATION, UMCF
- APPROXIMATE GROUND SURFACE
- APPROXIMATE TRANSITION ZONE CONTACT
- APPROXIMATE MUDDY CREEK CONTACT
- APPROXIMATE PIEZOMETRIC GROUNDWATER SURFACE ELEVATION FOR UMCF WELLS ONLY, AUGUST 2011
- GROUNDWATER ELEVATION AUGUST 26, 2011 UPPER MUDDY CREEK, AUGUST 2011
- GROUNDWATER ELEVATION AUGUST 26, 2011 QUATERNARY ALLUVIUM, AUGUST 2011
- MC-123 — MONITOR WELL SCREEN INTERVAL
- REPORTED TRANSITION ZONE CONTACT
- REPORTED MUDDY CREEK CONTACT
- ACTIVE EXTRACTION WELL SCREEN INTERVAL



SITE MAP SHOWING CROSS-SECTION INDEX

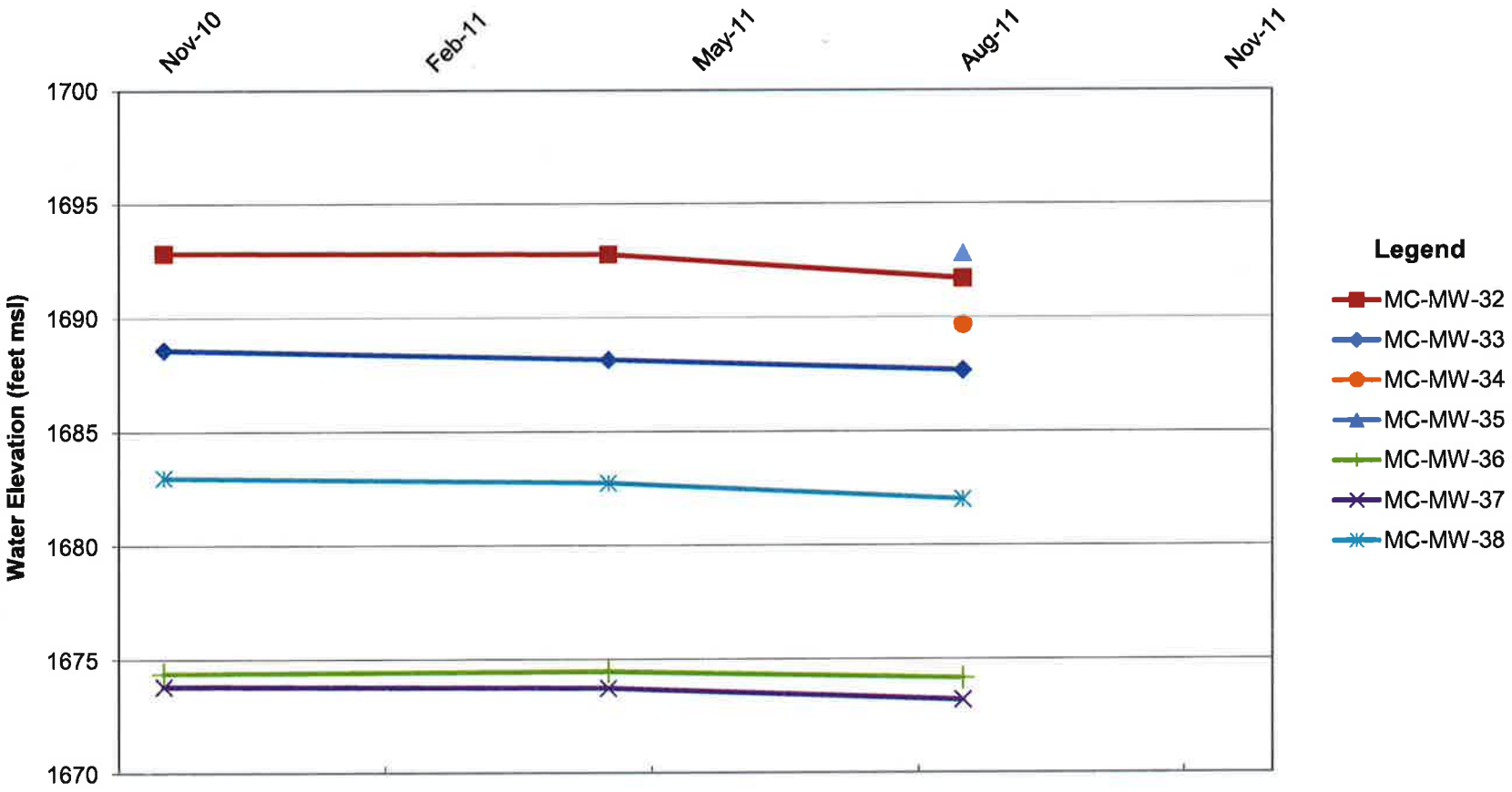
20' 10' 0
0 100' 200'
APPROXIMATE HORIZONTAL SCALE IN FEET: 1" = 160'
APPROXIMATE VERTICAL SCALE IN FEET: 1" = 20'

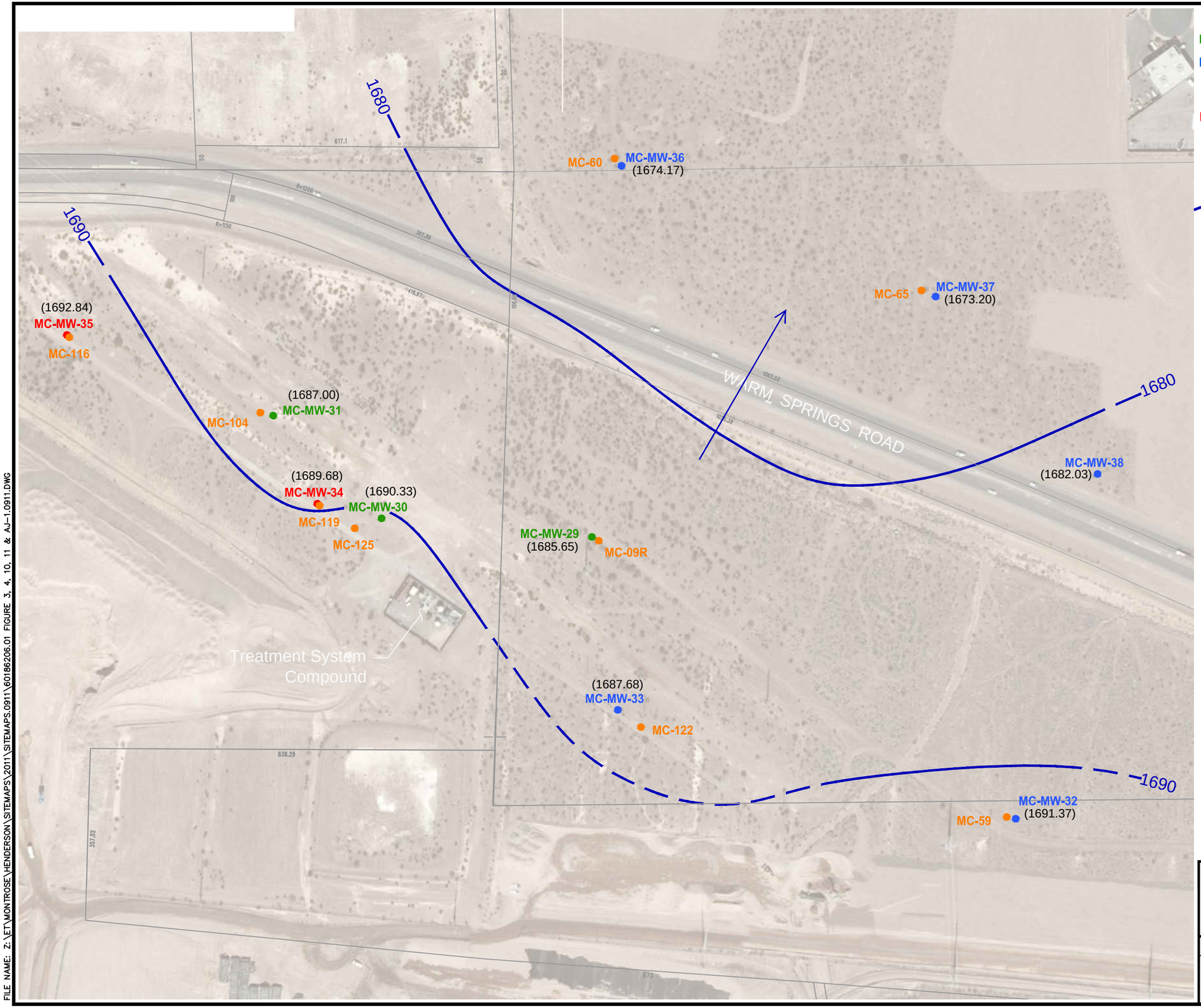
Cross-Sections A - A' and B - B'

Date: 09-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	4

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 2 & 5.091911.DWG

Figure 5
Hydrograph, UMCf Wells
OSSM Joint Groundwater Program
Henderson, Nevada





Legend:

MC-MW-29	UMC_f MONITORING WELL LOCATION
MC-MW-36	UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
MC-126	QUATERNARY ALLUVIUM WELLS USED FOR VERTICAL HYDRAULIC GRADIENT CALCULATIONS
MC-MW-35	NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
UMC_f	UPPER MUDDY CREEK FORMATION
(1691.37)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (AMSL) ALL WELLS GAUGED IN AUGUST 2011
	GROUNDWATER CONTOUR ARROWS INDICATE DIRECTION OF GROUNDWATER FLOW GROUNDWATER CONTOUR INTERVAL = 10.00'

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

0 100 200 FEET

SCALE: 1"= 200'

UMC_f Groundwater Elevation Map

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	6

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 3, 4, 10, 11 & AJ-1.0911.DWG

Legend:

MC-MW-36	UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
MC-MW-35	NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
UMC_f	UPPER MUDDY CREEK FORMATION

MIDDLE ZONE FIELD PARAMETERS

pH	ACIDITY OR ALKALINITY MEASUREMENT
DO	DISSOLVED OXYGEN (mg/L)
ORP	OXYGEN REDUCTION POTENTIAL (mV)

PARAMETERS FOR MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37, AND MC-MW-38 MEASURED IN NOVEMBER 2010

PARAMETERS FOR MC-MW-34 AND MC-MW-35 MEASURED IN AUGUST 2011

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

0 100 200 FEET

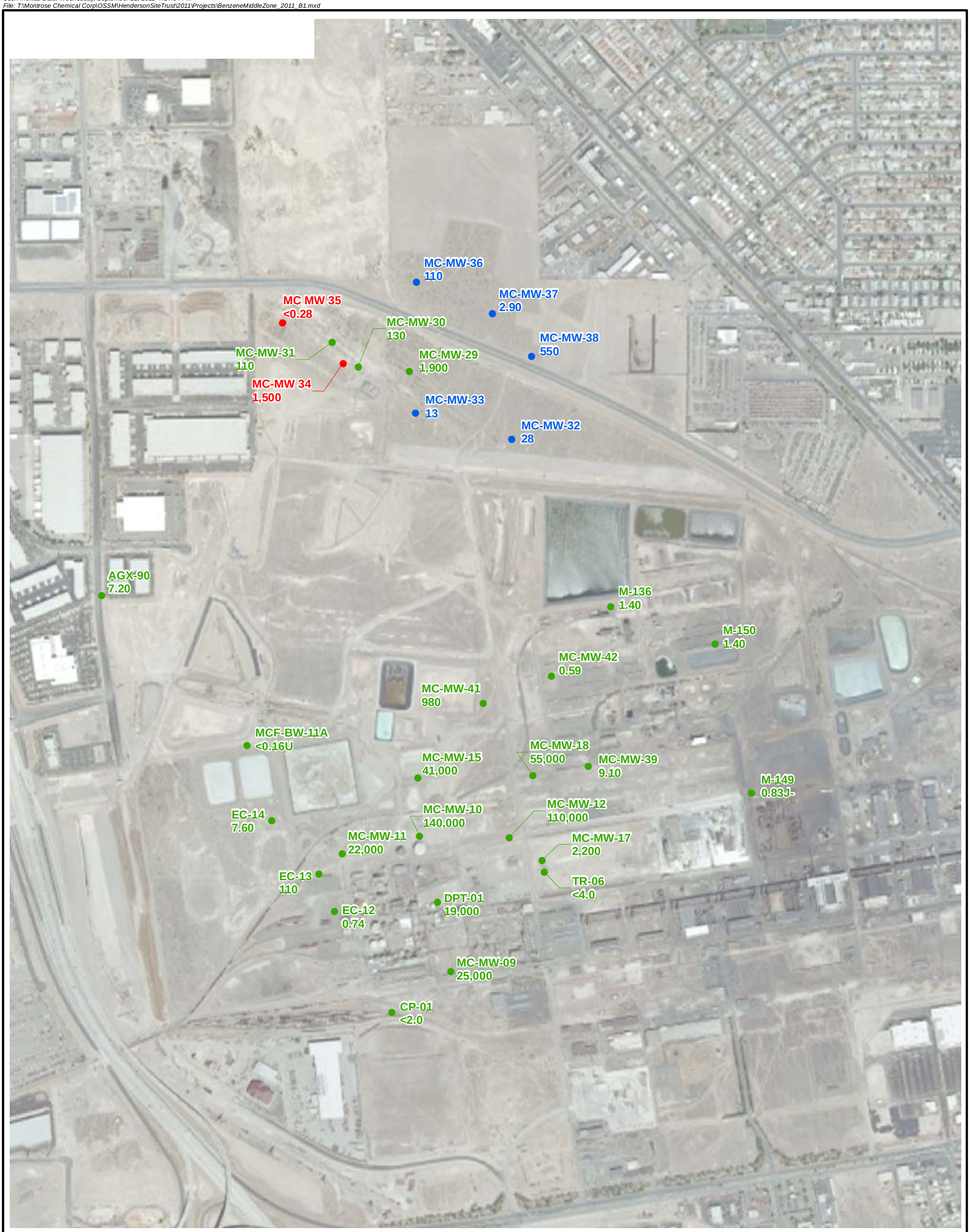
SCALE: 1"= 200'

Additional Groundwater Investigation
Field Water Quality Parameters
Middle Zone - 2011

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	7

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 3, 4, 10, 11 & AJ-1.0911.DWG

User: mexias Date: Wednesday, September 21, 2011 7:17:04 PM
File: T:\Montrose Chemical Corp\OSSM\HendersonSiteTrust\2011\Projects\BenzeneMiddleZone_2011_B1.mxd



LEGEND:

Benzene concentrations (ug/L)
EPA Method 8260B

ug/L	micrograms per liter
UMCf	Upper Muddy Creek Formation
MCL	5 ug/L
BCL	5 ug/L

CP-01 <2.0	UMCf Monitoring Well Location Benzene Results Second Quarter 2011
MC-MW-36 110	UMCf Monitoring Well Location installed November 2010 Benzene Results Second Quarter 2011
MC-MW-35 <0.28	New UMCf Monitoring Well Location installed August 2011 Benzene Results August 2011

NOTE:
WHILE ADDITIONAL DATA MAY BE AVAILABLE FROM OTHER BMI AREA COMPANIES, THESE MAPS WERE PREPARED BASED ON WATER QUALITY DATA GENERATED BY THE OSSM COMPANIES IN 2011.

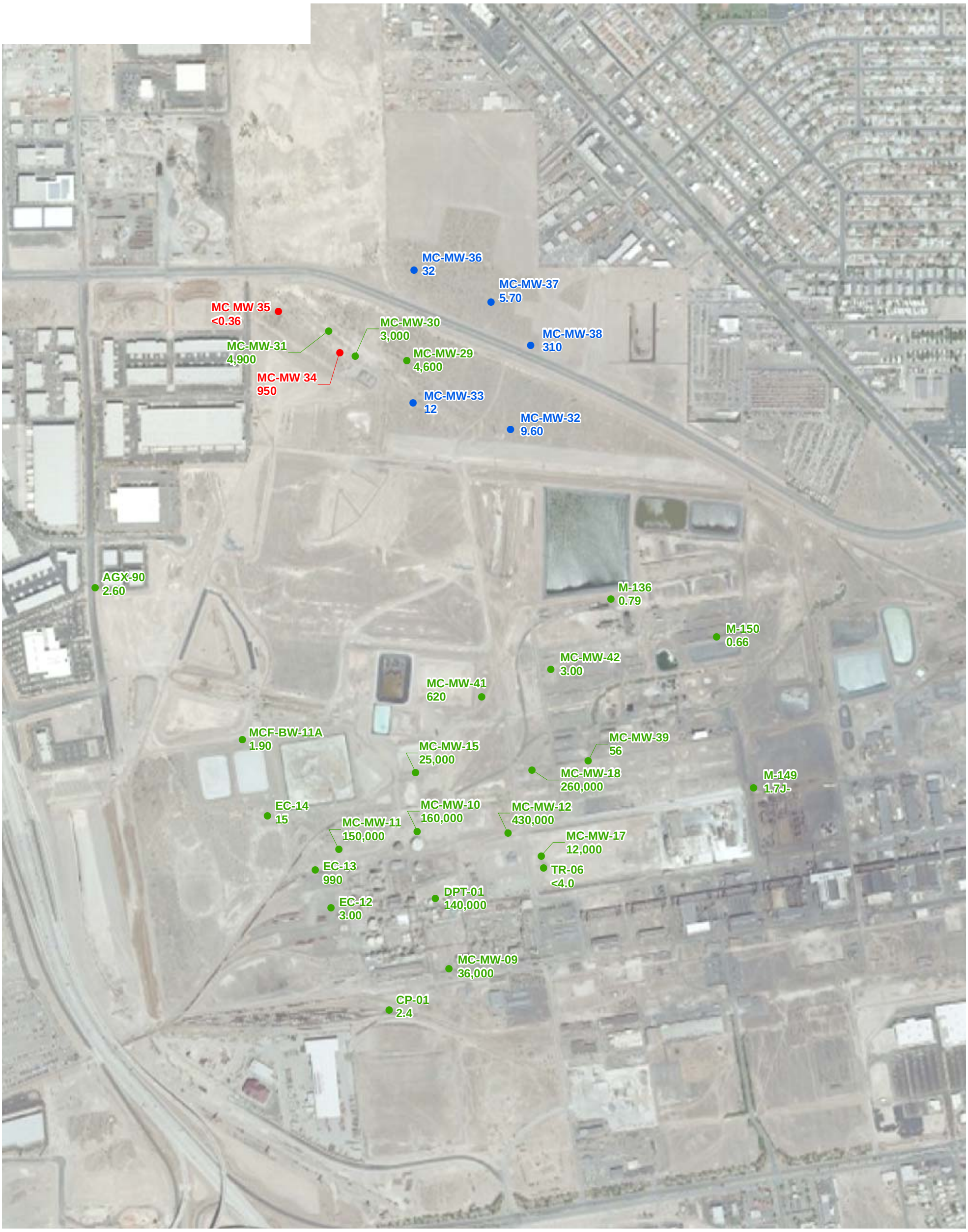
N

0 400 800 Feet

Additional Groundwater Investigation
Benzene Middle Zone - 2011

Date: 09-11	Henderson Site Trust	Figure 8
Project No. 60186206	AECOM	

User: mexias Date: Wednesday, September 21, 2011 7:18:02 PM
File: T:\Montrose Chemical Corp\OSSM\HendersonSiteTrust\2011\Projects\ChlorobenzeneMiddleZone_2011_B1.mxd



LEGEND:

Chlorobenzene concentrations (ug/L)
EPA Method 8260B

ug/L	micrograms per liter
UMCf	Upper Muddy Creek Formation
MCL	100 ug/L
BCL	100 ug/L

CP-01 2.4	UMCf Monitoring Well Location Chlorobenzene Results Second Quarter 2011
MC-MW-36 32	UMCf Monitoring Well Location installed November 2010 Chlorobenzene Results Second Quarter 2011
MC-MW-35 <0.36	New UMCf Monitoring Well Location installed August 2011 Chlorobenzene Results August 2011

NOTE:
WHILE ADDITIONAL DATA MAY BE AVAILABLE FROM OTHER BMI AREA COMPANIES, THESE MAPS WERE PREPARED BASED ON WATER QUALITY DATA GENERATED BY THE OSSM COMPANIES IN 2011.

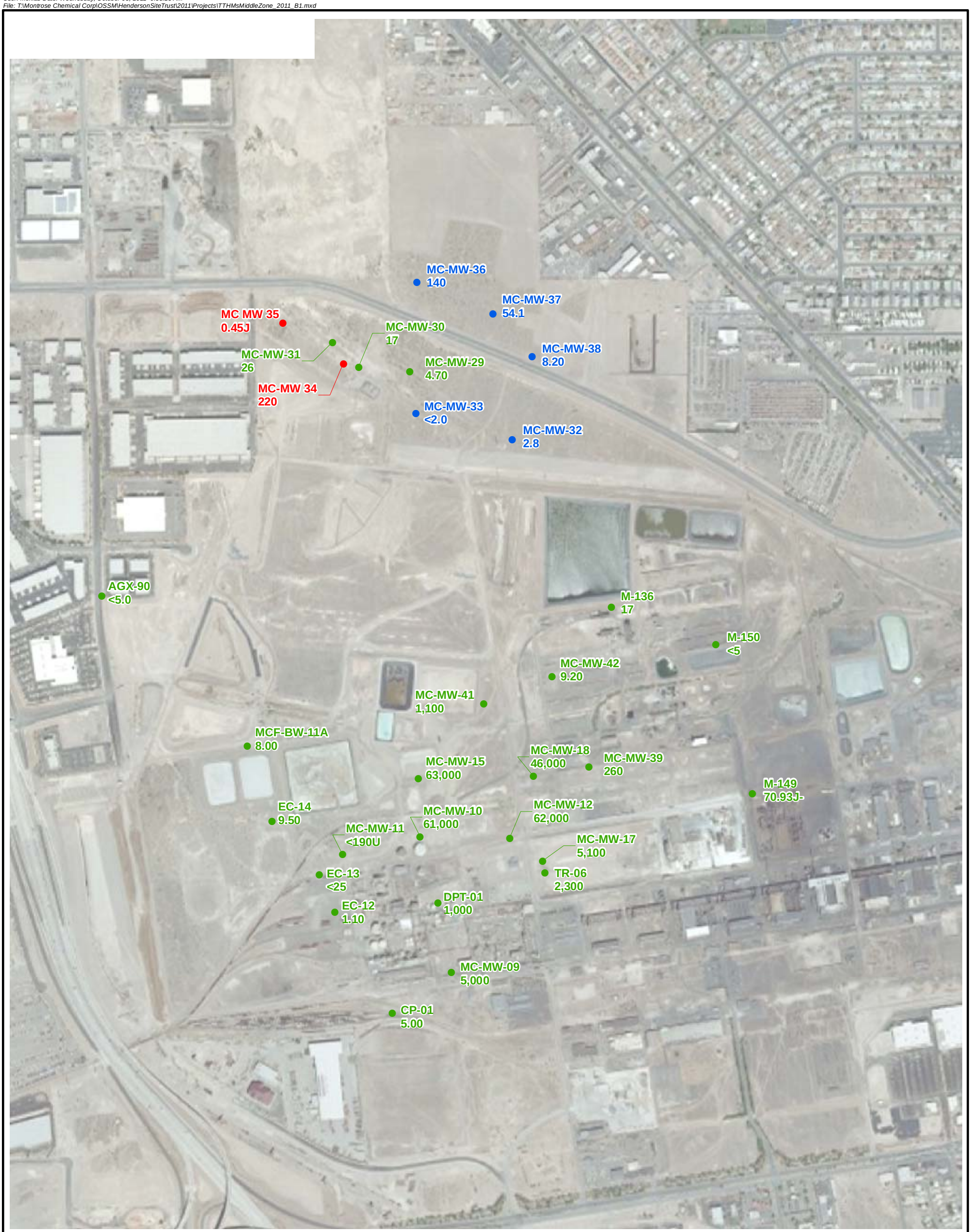
N

0 400 800 Feet

Additional Groundwater Investigation
Chlorobenzene Middle Zone - 2011

Date: 09-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	9

User: mexias Date: Wednesday, October 05, 2011 6:33:15 AM
File: T:\Montrose Chemical Corp\OSSM\HendersonSiteTrust\2011\Projects\TTHMsMiddleZone_2011_B1.mxd



LEGEND:

TTHMs concentrations (ug/L)
EPA Method 8260B

ug/L	micrograms per liter
UMCf	Upper Muddy Creek Formation
TTHMS	Total Trihalomethanes
Total Trihalomethanes	Sum of detections of Chloroform, Bromoform, Dichlorobromomethane and Bromodichloromethane
TTHM MCL	80 ug/L
Chloroform BCL	1.62 ug/L
Bromoform BCL	8.51 ug/L
Bromodichloromethane BCL	1.08 ug/L
Dibromochloromethane BCL	0.697 ug/L

CP-01 5.00	UMCf Monitoring Well Location TTHM Results Second Quarter 2011
MC-MW-36 140	UMCf Monitoring Well Location installed November 2010 TTHM Results Second Quarter 2011
MC-MW-35 0.45J	New UMCf Monitoring Well Location installed August 2011 TTHM Results August 2011

NOTE:
WHILE ADDITIONAL DATA MAY BE AVAILABLE FROM OTHER BMI AREA COMPANIES, THESE MAPS WERE PREPARED BASED ON WATER QUALITY DATA GENERATED BY THE OSSM COMPANIES IN 2011.

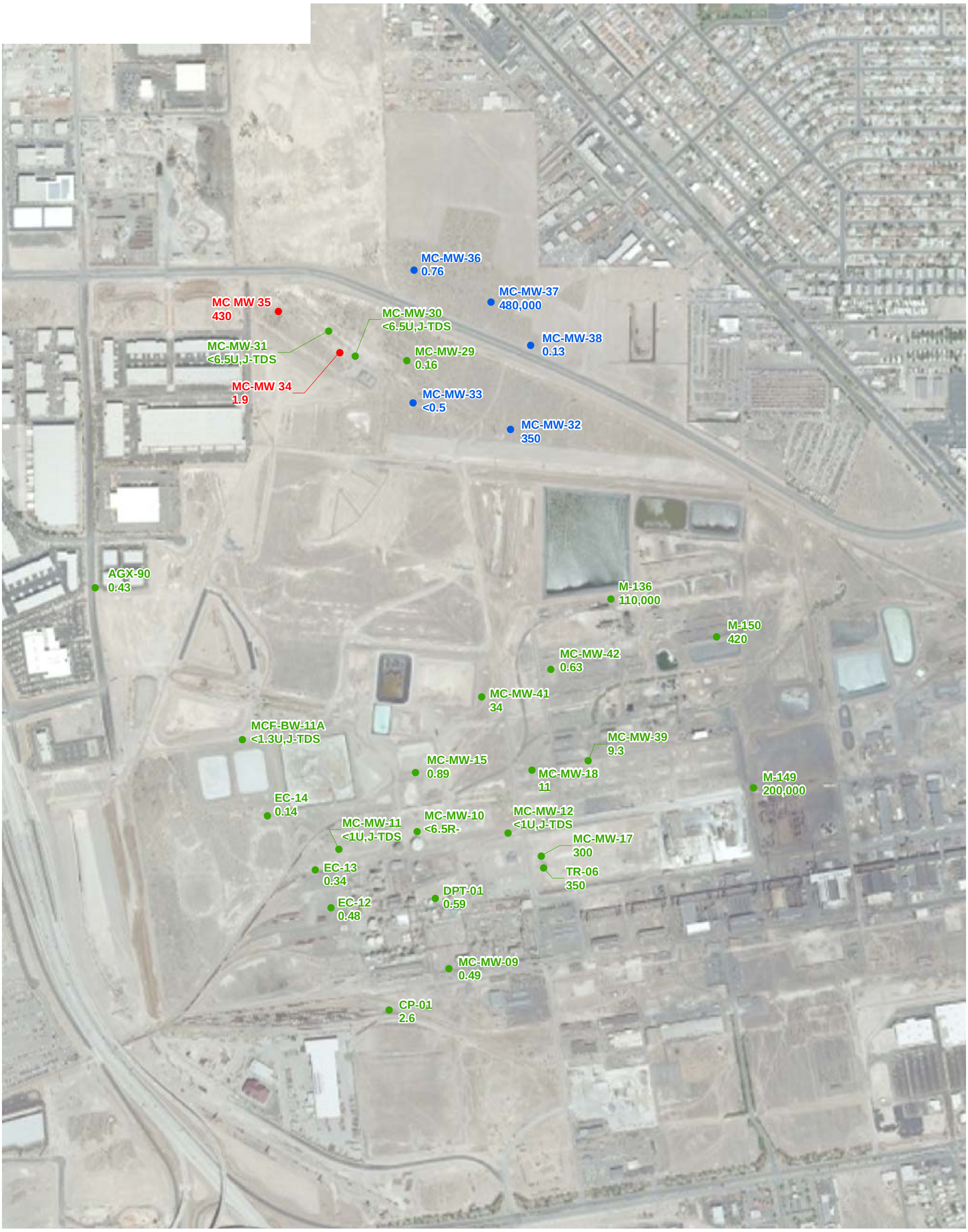
N

0 400 800 Feet

Additional Groundwater Investigation
TTHM Middle Zone - 2011

Date: 09-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	10

User: mexias Date: Thursday, September 22, 2011 5:39:00 PM
File: T:\Montrose Chemical Corp\OSSM\HendersonSiteTrust\2011\Projects\PerchlorateMiddleZone_2011_B1.mxd



LEGEND:

Perchlorate concentrations (ug/L)
EPA Method 8260B

ug/L	micrograms per liter
UMCf	Upper Muddy Creek Formation
MCL	Not Established
BCL	18 ug/L
J-TDS	Inorganic Analysis: The analytical result is estimated based on TDS corrections checks preformed in accordance with standard method
R- I	Inorganic Analysis: The analytical result is unreliable based on failure of cation-anion balance and TDS correctness checks performed in accordance with standard methods
CP-01 2.6	UMCf Monitoring Well Location Perchlorate Results Second Quarter 2011
MC-MW-36 0.76	UMCf Monitoring Well Location installed November 2010 Perchlorate Results Second Quarter 2011
MC-MW-35 430	New UMCf Monitoring Well Location installed August 2011 Perchlorate Results August 2011

NOTE:
WHILE ADDITIONAL DATA MAY BE AVAILABLE FROM OTHER BMI AREA COMPANIES, THESE MAPS WERE PREPARED BASED ON WATER QUALITY DATA GENERATED BY THE OSSM COMPANIES IN 2011.

N

0 400 800 Feet

Additional Groundwater Investigation
Perchlorate Middle Zone - 2011

Date: 09-11	Henderson Site Trust	Figure 11
Project No. 60186206	AECOM	

Legend:

MC-MW-36 ●	UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
MC-MW-35 ●	NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
UMC_f	UPPER MUDDY CREEK FORMATION
Cr^{6+}	HEXAVALENT CHROMIUM Cr^{6+} CONCENTRATIONS IN mg/L
mg/L	MILLIGRAMS PER LITER
Cr^{6+}	BCL = 0.1mg/L
Cr^{6+}	MCL = NA

H-1 : SAMPLE ANALYSIS PERFORMED PAST THE METHOD-SPECIFIED HOLDING TIME PER CLIENT'S APPROVAL

MHA : DUE TO HIGH LEVELS OF ANALYTE IN THE SAMPLE, THE MS/MSD CALCULATIONS DOES NOT PROVIDE USEFUL SPIKE RECOVERY INFORMATION. SEE BLANK SPIKE LCS.

NOVEMBER 2010 DATA NOT VALIDATED. Cr^{6+} WAS NOT ANALYZED IN APRIL 2011.

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

0 100 200 FEET

SCALE: 1"= 200'

Additional Groundwater Investigation Cr^{6+}
Middle Zone - 2011

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	12

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.0911\60186206.01 FIGURE 3, 4, 10, 11 & AJ-1.0911.DWG

Legend:

- MC-MW-29 — EXISTING UMC_f MONITORING WELL LOCATION
- MC-MW-36 — NEW UMC_f MONITORING WELL LOCATIONS INSTALLED NOVEMBER 2010
- MC-MW-35 — NEW UMC_f MONITORING WELL LOCATIONS INSTALLED AUGUST 2011
- UMC_f — UPPER MUDDY CREEK FORMATION
- PROJECTED LOCATION OF MC-MW-29
- TRANSECT WIDTHS ARE USED IN CROSS-SECTIONAL AREAS FOR HORIZONTAL MASS FLUX CALCULATIONS
- GRIDS PROVIDE CROSS-SECTIONAL AREAS FOR VERTICAL MASS FLUX CALCULATIONS
- UPWARD MASS FLUX
- DOWNWARD MASS FLUX

References:

1. GROUNDWATER MONITORING WELLS SURVEY BY HARGIS & ASSOCIATES, DATED MAY 26, 2004.
2. PARCEL BOUNDARY INFORMATION FROM CLARK COUNTY, NEVADA'S ONLINE ARCINFO GIS DATA SET, 2004.
3. SATELLITE/AERIAL PHOTOS REFERENCED:
   USGS GEOREFERENCED SATELLITE IMAGERY, JUNE 1994.
   CONTINENTAL AERIAL, APRIL 1982.
   CONTINENTAL AERIAL, 1988.
   TERRASERVER IMAGERY, 2002.
4. FORMER PLANT SITE FEATURES BASED FROM SECOR INTERNATIONAL INC., MAP DATED FEBRUARY 26, 2001, WITH THE ADDITION OF ABOVE REFERENCED IMAGERY.
5. UMCF WELLS MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 AND MC-MW-38 WERE SURVEYED BY PBS&J SURVEYORS ON NOVEMBER 9, 2010. UMCF WELLS MC-MW-34 AND MC-MW-35 WERE SURVEYED BY ATKINS SURVEYORS ON AUGUST 26, 2011.

NORTH

0 150 300 FEET

SCALE: 1"= 300'

Widths and Areas Considered by Mass Flux Calculations

Date: 11-11	Henderson Site Trust	Figure 13
Project No. 60186206	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\SITEMAPS\2011\SITEMAPS.1111\60186206.01 FIGURE 13 & AJ-1.1111.DWG

TABLES

Table 1
Summary of Groundwater Elevations
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Northing	Easting	Date Measured	Screened Interval (feet bgs)	Depth to Groundwater from TOC (feet)	TOC Elevation (feet msl)	Water Level Elevation (feet msl)
MC-MW-29	26721910.09	825436.29	8/26/2011	53.5-83.5	31.90	1717.55	1685.65
MC-MW-30	26721948.80	825000.22	8/26/2011	36.5-46.5	27.90	1718.23	1690.33
MC-MW-31	26722161.64	824775.80	8/26/2011	39.5-49.5	29.85	1716.85	1687.00
MC-MW-32	26721325.2	826314.5	8/26/2011	48-58	31.88	1723.25	1691.37
MC-MW-33	26721551.7	825490.0	8/26/2011	70-80	33.52	1721.20	1687.68
MC-MW-34	26721979.1	824867.2	8/27/2011	46-56	26.22	1715.90	1689.68
MC-MW-35	26722328.7	824348.2	8/27/2011	54-64	19.82	1712.66	1692.84
MC-MW-36	26722678.6	825497.5	8/26/2011	53-63	28.21	1702.38	1674.17
MC-MW-37	26722407.7	826148.5	8/26/2011	53-63	30.71	1703.91	1673.20
MC-MW-38	26722040.7	826484.5	8/26/2011	48-58	27.38	1709.41	1682.03

Notes:
bgs below ground surface
-- not available
TOC Top of Casing
msl mean sea level

Horizontal Datum: Nevada Coordinate System of 1983 (NCS83)
Vertical Datum: National Geodetic Vertical Datum of 1988 (NGVD88)

UMCf Wells MC-MW-32, MC-MW-33, MC-MW-36, MC-MW-37 and MC-MW-38 were surveyed by PBS &J Surveyors on November 9, 2010.

UMCf Wells MC-MW-34 and MC-MW-35 were surveyed by Atkins Surveyors on August 26, 2011.

Table 2
Summary of Vertical Gradients
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Monitoring Well ID[B]	Date Measured	Screened Interval (feet bgs)	Total Depth (feet bgs)	Depth to Groundwater from TOC (feet)	TOC Elevation (feet msl)	Static Groundwater Elevation[A] (feet msl)	TDS (mg/L)	Water Density[C] (kg/m^3)	Density Corrected Groundwater Elevation[D] (feet msl)	Difference in Corrected Hydraulic Heads (ft)	Difference in Upper and Lower Screen Depths (ft)	Vertical Gradient (ft/ft)	Gradient Direction
MC-09R	08/26/11	16-46	49.5	32.51	1717.88	1685.37	15,000	1,008.763	1,685.43	-	-	-	Upward
MC-MW-29	08/26/11	53.5-83.5	87	31.90	1717.55	1685.65	10,000	1,005.328	1,685.65	0.22	7.5	0.030	
MC-125[E]	08/26/11	20-40	43.5	28.29	1718.74	1690.45	6,000	1,002.580	1,690.42	-	-	-	Downward
MC-MW-30[F]	08/26/11	36.5-46.5	50	27.90	1718.23	1690.33	8,200	1,004.091	1,690.33	-0.09	6.5	-0.014	
MC-104[E]	08/26/11	27-42	42	28.16	1715.67	1687.51	4,300	1,001.412	1,687.51	-	-	-	Downward
MC-MW-31[F]	08/26/11	39.5-49.5	53	29.85	1716.85	1687.00	4,000	1,001.206	1,687.00	-0.51	5.0	-0.103	
MC-122	08/26/11	28-48	51.5	38.46	1724.31	1685.85	19,000	1,011.511	1,686.01	-	-	-	Upward
MC-MW-33	08/26/11	70-80	83	33.52	1721.20	1687.68	790	999.001	1,687.68	1.67	22.0	0.076	
MC-119	08/27/11	21.5-31.5	35	25.78	1715.53	1689.75	5,100	1,001.962	1,689.76	-	-	-	Downward
MC-MW-34	08/27/11	46-56	59	26.22	1715.90	1689.68	3,500	1,000.862	1,689.68	-0.08	14.5	-0.006	
MC-116	08/27/11	18.5-38.5	42	19.34	1712.35	1693.01	4,200	1,001.343	1,693.07	-	-	-	Downward
MC-MW-35	08/27/11	54-64	67	19.82	1712.66	1692.84	700	998.939	1,692.84	-0.23	15.5	-0.015	
MC-65	08/26/11	20-41	41	33.67	1705.43	1671.76	9,500	1,004.984	1,671.78	-	-	-	Upward
MC-MW-37	08/26/11	53-63	66	30.71	1703.91	1673.20	6,500	1,002.923	1,673.20	1.42	12.0	0.119	

Average of upward vertical hydraulic gradients (ft/ft):	**0.075**
Average of downward vertical hydraulic gradients (ft/ft):	**-0.034**

Notes:

[A] Groundwater elevations measured at well pairs MC-122/MC-MW-33, MC-119/MC-MW-34, and MC-116/MC-MW-35 do not necessarily reflect static conditions. MC-122 is located 16.61 feet from Extraction Well G and MC-MW-33 is located 27.3 feet from Extraction Well O. MC-MW-34 and MC-119 are, respectively, 9.6 feet and 15.2 feet from Extraction Well J. MC-MW-35 and MC-116 are, respectively, 9.7 feet and 16.1 feet from Extraction Well A.

[B] Vertical gradients could not be calculated for well pairs MC-MW-32/MC-59 and MC-MW-36/MC-60, as MC-59 and MC-60 were dry. These wells have historically been dry.

[C] Density = 998.4578 + 6.87E-4(TDS); not adjusted for temperature differences; *Quantitative Hydrogeology: Groundwater Hydrology for Engineers* , de Marsily, 1986.

[D] Groundwater elevation in Qal corrected to density of UMCf groundwater using Equation 6 from Post, et al., 2007.

[E] No TDS data available for MC-104 and MC-125; used April 2011 TDS results from Wells P and N respectively to correct hydraulic heads.

[F] The screens overlap at these well pairs; vertical gradients determined using height between bottom of the Qal and top of the UMCf screen interval.

Table 3
Summary of Detections - VOCs by EPA 8260B
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	Acetone	Benz	BDCM	BF	BMe	CT	MCB	CF	DBCM	1,2-DCB	1,3-DCB	1,4-DCB	1,1-DCA	1,2-DCA	1,1-DCE	MeCL	Naph	Nonanal	PCE	Toluene	TCE
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
U.S. EPA MCL[a]		NA	5	NA	NA	NA	5	100	NA	NA	600	NA	75	NA	5	7	5	NA	NA	5	1,000	5
NDEP BCL[b]		32,600	5	1.08 [c]	8.51[c]	47.8	5	100	1.62[c]	0.697[c]	600	109	75	11.8	5	7	5	NA	NA	5	1,000	5
MC-MW-32	11/16/2010	ND<10	0.34 J	2.5	0.61 J	ND<5.0	ND<5.0	ND<2.0	9.3	1.6 J	ND<2.0	ND<2.0	ND<2.0	2.0	1.0 J	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	4/27/2011	--	28	ND<2.0	ND<5.0	ND<5.0	ND<1.0	9.6	2.8	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.2	1.5 J	ND<5.0	<2.0	0.52 J	--	ND<2.0	ND<2.0	ND<2.0
MC-MW-33	11/17/2010	ND<10	16	1.0 J	ND<5.0	ND<5.0	ND<5.0	12	10	0.65 J	0.33 J	ND<2.0	0.55 J	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	11/17/2010 Dup	4.8 J	15	1.2 J	0.92 J	0.86 J	ND<5.0	11	9.5	0.85 J	ND<2.0	0.52 J	0.53 J	ND<2.0	ND<2.0	ND<5.0	1.4 B, J	ND<5.0	1.7 J	ND<2.0	ND<2.0	ND<2.0
	4/28/2011	--	13	ND<2.0	ND<5.0	ND<5.0	ND<1.0	12	ND<2.0	ND<2.0	0.41 J	ND<2.0	0.69 J	ND<2.0	ND<2.0	ND<5.0	ND<2.0	0.59 J	--	ND<2.0	ND<2.0	ND<2.0
MC-MW-34	8/31/2011	ND<50 (UJ)	1,500	ND<10	ND<25	ND<25	ND<25	950	220	ND<10	26	<9.5	36	18	4.6 Jb (J)	ND<25	9.2 Jb (J)	ND<25	ND<25 (UJ)	ND<10	ND<10	2.3 Jb (J)
MC-MW-35	8/31/2011	ND<10 (UJ)	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<2.0	0.45 Jb (J)	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0 (UJ)	ND<2.0	ND<2.0	ND<2.0
MC-MW-36	11/15/2010	ND<10	0.43 J	1.0 J	ND<5.0	ND<5.0	ND<5.0	ND<2.0	100	1.1 J	ND<2.0	ND<2.0	ND<2.0	1.9 J	1.2 J	ND<5.0	7.6	ND<5.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
	4/28/2011	--	110	ND<2.0	ND<5.0	ND<5.0	ND<1.0	32	140	ND<2.0	ND<2.0	ND<2.0	ND<2.0	4.1	2.4	ND<5.0	5.3	0.42 J	--	ND<2.0	ND<2.0	ND<2.0
MC-MW-37	11/16/2010	ND<10	0.29 J	ND<2.0	1.4 J	ND<5.0	5.5	0.73 J	46	ND<2.0	2.2	2.3	1.3 J	1.2 J	0.62 J	ND<5.0	1.9 J	ND<5.0	ND<5.0	0.90 J	ND<2.0	0.68 J
	4/28/2011	--	2.9	ND<2.0	1.1 J	ND<5.0	2.3	5.7	53	ND<2.0	0.43 J	0.44 J	ND<2.0	4.7	2.4	ND<5.0	5.0	ND<5.0	--	ND<2.0	ND<2.0	0.27 J
MC-MW-38	11/16/2010	ND<10	380	ND<2.0	ND<5.0	ND<5.0	ND<5.0	210	10	ND<2.0	2.7	ND<2.0	5.1	1.7 J	1.0 J	0.43 J	ND<5.0	ND<5.0	ND<5.0	0.35 J	0.81 J	ND<2.0
	04/29/2011	--	550	ND<2.0	ND<5.0	ND<5.0	ND<1.0	310	8.2	ND<2.0	3.5	ND<2.0	7.0	2.2	1.2 J	0.57 J	ND<2.0	ND<5.0	--	0.45 J	0.65 J	0.32 J

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010
[c] U.S. EPA MCL for all total trihalomethanes (chloroform, bromoform, bromodichloromethane, and dibromochloromethane) is 80 µg/L

Compounds not shown were.not detected in any of the samples at concentrations greater than the laboratory method detection limits.
Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 Laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

--	not analyzed
µg/L	micrograms per liter
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCA	1,2-dichloroethane
1,2-DCB	1,2-dichlorobenzene
1,3-DCB	1,3-dichlorobenzene
1,4-DCB	1,4-dichlorobenzene
Benz	benzene
BCL	Basic Comparison Level
BDCM	bromodichloromethane
BF	bromoform
BMe	bromomethane
CF	chloroform
MCB	monochlorobenzene
CT	carbon tetrachloride
DBCM	dibromochloromethane
Dup	Duplicate Sample
EPA	Environmental Protection Agency
MCL	Maximum Contaminant Level
MDL	method detection limit
MeCL	methylene chloride
NA	not available
ND<RL	Not detected in concentrations exceeding the laboratory RL
NDEP	Nevada Division of Environmental Protection
RL	reporting limit
TCE	trichloroethene
U.S. EPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

Laboratory-Assigned Qualifiers

B	Analyte was detected in the associated Method Blank.
J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Data Validation Qualifiers

(J)	Estimated value.
(UJ)	Reporting limit estimated.

Table 4
Summary of Detections - SVOCs by EPA 8270C
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	1,4-Dioxane	Phenol
		(µg/L)	(µg/L)
U.S. EPA MCL[a]		NA	NA
NDEP BCL[b]		**6.11**	**11,000**
MC-MW-32	11/16/2010	--	ND<9.5
MC-MW-33	11/17/2010	ND<0.94	ND<0.94
	11/17/2010 Dup	ND<0.95	ND<0.95
MC-MW-34	8/31/2011	**0.39** Jb (J)	**7.8** Jb (J)
MC-MW-35	8/31/2011	ND<0.94	ND<9.5
MC-MW-36	11/16/2010	ND<0.94	ND<0.94
MC-MW-37	11/16/2010	**0.47** J	ND<9.5 M2, R-3
MC-MW-38	11/16/2010	**0.52** J	ND<9.5

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Compounds not shown were not detected at the MDL ranging from 1.9 to 38 ug/L in any of the samples analyzed by EPA Method 8270C, with the exception of 1,4-dioxane.
Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 Laboratory data was not validated

--	not analyzed
µg/L	micrograms per liter
BCL	Basic Comparison Level
Dup	Duplicate Sample
EPA	Environmental Protection Agency
LCS	laboratory control sample
MCL	Maximum Contaminant Level
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
NA	not available
ND<RL	Not detected in concentrations exceeding the laboratory RL
NDEP	Nevada Division of Environmental Protection
RL	reporting limit
RPD	relative percent difference
U.S. EPA	United States Environmental Protection Agency
SVOCs	semivolatile organic compounds

Laboratory-Assigned Qualifiers

J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See BlankSpike (LCS).
R-3	The RPD exceeded the acceptance limits due to sample matrix effects.

Data Validation Qualifiers

(J)	Estimated value.

Table 5
Summary of Detections - Pesticides by EPA 8081A and 8041A
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC
		(µg/L)	(µg/L)	(µg/L)	(µg/L)
U.S. EPA MCL[a]		NA	NA	NA	0.2
NDEP BCL[b]		11	2.2	NA	0.37
MC-MW-32	11/17/2010	ND<0.094	ND<0.094	ND<0.19	ND<0.094
	4/27/2011	**0.096**	**0.065**	**0.045** J	**0.044** J
MC-MW-33	11/17/2010	**0.028** J	**0.047** J	ND<0.19	ND<0.094
	11/17/2010 Dup	**0.025** J	**0.043** J	ND<0.19	ND<0.094
	4/28/2011	**0.24** R-1	**0.12**	ND<0.94 RL1	<0.47 RL1
MC-MW-34	8/31/2011	**0.60**	ND<0.094	ND<0.19	**0.044** Jb (J)
MC-MW-35	8/31/2011	ND<0.094	ND<0.094	ND<0.19	ND<0.094
MC-MW-36	11/15/2010	ND<0.094	ND<0.094	ND<0.19	ND<0.094
	11/16/2010	ND<0.094	**0.053** J	ND<0.19	ND<0.094
	4/28/2011	**0.0053**	**0.013**	ND<0.19	ND<0.094
MC-MW-37	11/16/2010	ND<0.094	ND<0.094	ND<0.19	ND<0.094
	4/28/2011	ND<0.0047	ND<0.0094	ND<0.19	ND<0.094
MC-MW-38	11/16/2010	**0.023** J	ND<0.094	ND<0.19	ND<0.094
	4/29/2011	**0.018**	ND<0.0094	ND<0.19	**0.028** J

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – September 2011

Compounds not shown were not detected in any of the samples at concentrations greater than the laboratory method detection limits.
The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

%	percent
µg/L	micrograms per liter
BCL	Basic Comparison Level
Dup	Duplicate Sample
EPA	Environmental Protection Agency
MCL	Maximum Contaminant Level
MDL	method detection limit
NA	not available
ND<RL	not detected in concentrations exceeding the laboratory RL
NDEP	Nevada Division of Environmental Protection
RL	reporting limit
RPD	relative percent difference
U.S. EPA	United States Environmental Protection Agency

Laboratory-Assigned Qualifiers

J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
R-1	The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the higher value was reported.
RL1	Reporting limit raised due to sample matrix effects.

Data Validation Qualifiers

(J)	Estimated value.

Table 6
Summary of Laboratory Results - Metals by EPA 6010B, 6020, 7199, and 9014
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	EPA 6020																		
		Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium, Total	Cobalt	Copper	Lead	Manganese	Molybdenum	Nickel	Selenium	Silver	Thallium	Uranium	Vanadium	Zinc
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
U.S. EPA MCL[a]		NA	0.006	0.01	2	0.004	0.005	0.1	NA	1.3[c]	0.015[c]	NA	NA	NA	0.05	NA	0.002	0.03	NA	NA
NDEP BCL[b]		36.5	0.006	0.01	2	0.004	0.005	NA	0.011	NA	0.015	5.11	0.183	0.73	0.05	0.183	0.002	0.03	0.183	11
MC-MW-32	11/17/2010	0.13	0.00035 J	0.010	0.083	ND<0.00050 M2	0.00021 J	0.031	0.0014	0.0072 M2	0.00034 J	0.059 M2	0.036	0.016 M2	0.0037 M1	ND<0.0010	ND<0.0010	0.010	0.0076	0.31
	4/27/2011	--	--	0.016	0.065	--	0.00013 J	0.0023	--	--	0.00018 J	--	--	--	0.0015 J	0.00010 J	--	0.013	--	--
MC-MW-33	11/17/2010	0.12	0.00044 J	0.011	0.020	ND<0.00050	ND<0.0010	0.018	0.00025 J	0.0030	ND<0.0010	0.0065	0.032	0.0020	0.0027	ND<0.0010	ND<0.0010	0.0033	0.010	0.058
	11/17/2010 Dup	0.12	0.00041 J	0.010	0.020	ND<0.00050	ND<0.0010	0.015	0.00025 J	0.0029	ND<0.0010	0.0085	0.032	0.0017 J	0.0030	ND<0.0010	ND<0.0010	0.0034	0.010	0.053
	4/28/2011	--	--	0.034	0.022	--	0.000058 J	0.013	--	--	0.00021 J	--	--	--	ND<0.0050	ND<0.0050	--	0.0033	--	--
MC-MW-34	8/31/2011	0.18	ND<0.0020	0.011	0.097	ND<0.00050	ND<0.0010	0.026	0.00059 Jb (J)	0.0034 (J+)	0.00051 Jb (J)	--	0.016 B-1 (J-)	0.0097	ND<0.0020	ND<0.0010	ND<0.0010	0.0094	0.013	0.092
MC-MW-35	8/31/2011	0.077	0.00049 Jb (R)	0.010	0.036	ND<0.00050	ND<0.0010	0.028	0.00011 Jb (J)	0.0011 Jb (R)	0.00021 Jb (J)	--	0.014 B-1 (J-)	ND<0.0020	0.0023	ND<0.0010	ND<0.0010	0.00056 Jb (U, J)	0.050	0.037
MC-MW-36	11/16/2010	0.0093 J	ND<0.0020	0.028	0.041	ND<0.00050	ND<0.0010	0.0059	0.00033 J	0.0024	ND<0.0010	0.039	0.017	0.0012 J	0.0027	ND<0.0010	ND<0.0010	0.0051	0.020	0.022
	4/28/2011	--	--	0.031	0.048	--	ND<0.0010	0.0044	--	--	0.00039 J	--	--	--	0.0011 J	ND<0.0050	--	0.0045	--	--
MC-MW-37	11/16/2010	0.0086 J	ND<0.0020	0.060	0.064	ND<0.00050 M2	ND<0.0010	1.9 MHA	0.0015	0.0058	ND<0.0010	0.012	0.036	0.0024	0.0065	ND<0.0010	ND<0.0010	0.020	0.044	0.0069 M2, J
	4/28/2011	--	--	0.056	0.12	--	0.000073 J	0.88	--	--	0.0021	--	--	--	0.0034 J	0.000058 J	--	0.028	--	--
MC-MW-38	11/16/2010	0.018	0.00038 J	0.021	0.074	ND<0.00050 C	ND<0.0010	0.0017 J	0.0017	0.019 M2	ND<0.0010	0.25 M1	0.026	0.0021	0.0027	ND<0.0010	0.00074 J	0.017	0.013	0.016 J
	4/29/2011	--	--	0.038	0.062	--	ND<0.0010	0.0029	--	--	0.0013	--	--	--	ND<0.0050	ND<0.0050	--	0.024	--	--

Well	Sampling Date	EPA 6010B												EPA 7199	EPA 7470A	EPA 9014
		Boron	Calcium	Iron	Lithium	Magnesium	Phosphorus	Potassium	Sodium	Strontium	Sulfur	Tin	Titanium	Chromium, Hexavalent	Mercury	Cyanide
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
U.S. EPA MCL[a]		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002	0.2
NDEP BCL[b]		7.3	NA	25.6	0.073	207	NA	NA	NA	21.9	NA	21.9	146	0.1	0.002	0.2
MC-MW-32	11/16/2010	--	--	--	--	--	--		--	--	0.561	--	--	ND<0.0020	--	ND<0.025
	11/17/2010	2.2	410	0.35	0.21	280	0.072	26	860	13	--	ND<0.10	0.0074	--	--	--
	4/27/2011	--	450	--	--	270	--	25	1,100	--	--	--	--	--	ND<0.00020	--
MC-MW-33	11/17/2010	0.68	59	0.20	0.063	11	0.054	13	210	1.1	0.089	ND<0.10	0.0043 J	0.0032	--	ND<0.025
	11/17/2010 Dup	0.66	58	0.19	0.062	10	0.052	12	200	1.1	0.084	ND<0.10	0.0043 J	0.0022	--	ND<0.025
	4/28/2011	--	67	--	--	20	--	9.0	170 B-1	--	--	--	--	--	ND<0.00020	--
MC-MW-34	8/31/2011	0.76	260 MHA	1.5 M1	0.13	130 MHA	0.19	22	890	7.1 MHA	0.285	ND<0.10	0.019	0.0057 H3	ND<0.00020	ND<0.025
MC-MW-35	8/31/2011	0.56	45	0.27	0.048 Jb (J)	6.2	ND<0.040	10	170	1.1	0.098	ND<0.10	0.0030 Jb (J)	0.030	ND<0.00020	ND<0.025
MC-MW-36	11/15/2010	--	--	--	--	--	--	--	--	--	--	--	--	0.00077 J	--	ND<0.025
	11/16/2010	0.88	92	ND<0.040	0.092	70	0.062	16	300	3.3	98.5	ND<0.10	ND<0.0050	0.0035 H-1	--	--
	4/28/2011	--	110	--	--	75	--	14	300 B-1	--	--	--	--	--	ND<0.00020	--
MC-MW-37	11/16/2010	9.5 MHA	570 MHA	ND<0.040	0.25 M2	260 MHA	0.10	26	1,300 MHA	15 MHA	669	0.045 J	ND<0.0050	1.6 H-1, MHA	--	ND<0.025
	4/28/2011	--	590	--	--	310	--	27	1,100 B-1	--	--	--	--	--	ND<0.00020	--
MC-MW-38	11/16/2010	2.6	390	ND<0.080 RL1	0.15	240	0.13	21	720	10	383	ND<0.20 RL1	ND<0.010 RL1	ND<0.0020	--	ND<0.025
	4/29/2011	--	400	--	--	230	--	21	710 B-1	--	--	--	--	--	ND<0.00020	--

Table 6
Summary of Laboratory Results - Metals by EPA 6010B, 6020, 7199, and 9014
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010
[c] Action Level

Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

--	not analyzed
µg/L	micrograms per liter
BCL	Basic Comparison Level
Dup	Duplicate Sample
EPA	Environmental Protection Agency
LCS	laboratory control sample
MCL	Maximum Contaminant Level
MDL	method detection limit
mg/L	milligrams per liter
MS	matrix spike
MSD	matrix spike duplicate
NA	not available
ND<RL	Not detected in concentrations exceeding the laboratory RL.
NDEP	Nevada Division of Environmental Protection
RL	reporting limit
U.S. EPA	United States Environmental Protection Agency

Laboratory-Assigned Qualifiers

B	Analyte was detected in the associated Method Blank.
B-1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
H-1	Sample analysis performed past the method-specified holding time.
H3	Sample was received and analyzed past holding time.
J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
RL1	Reporting limit raised due to sample matrix effects.

Data Validation Qualifiers

(J)	Estimated value.
(J-)	Estimated value – may be biased low.
(J+)	Estimated value – may be biased high.
(R)	Rejected data.
(U, J)	Estimated value. Blank contamination: indicates possible high bias and/or false positives. Blank level multiplied by 5 is higher than sample results,

Table 7
Summary of Laboratory Results - TPH by EPA 8015B
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

		EPA 8015B		EPA 8015B DAI	
Well	**Sampling Date**	**C6-C12**	**C10-C40**	**Ethanol**	**Methanol**
		(µg/L)	(mg/L)	(mg/L)	(mg/L)
U.S. EPA MCL[a]		NA	NA	NA	NA
NDEP BCL[b]		NA	NA	**730**	**18.3**
MC-MW-32	11/16/2010	ND<50	ND<0.48	ND<0.50	**0.38** J
MC-MW-33	11/17/2010	**51**	ND<0.48	**0.66**	**0.32** J
	11/17/2010 Dup	**46** J	**0.11** J	**0.72**	ND<0.50
MC-MW-34	8/31/2011	**2,800** QP1	**0.90** QP1	ND<0.50	ND<0.50
MC-MW-35	8/31/2011	ND<50	ND<0.48	ND<0.50	ND<0.50
MC-MW-36	11/15/2010	ND<50	ND<0.48	ND<0.50	ND<0.50
MC-MW-37	11/16/2010	ND<50	ND<0.48	ND<0.50	ND<0.50
MC-MW-38	11/16/2010	**910** QP1	ND<0.48	ND<0.50	ND<0.50

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Compounds not shown were not detected in any of the samples at concentrations greater than the laboratory method detection limits.
The November 2010 laboratory data was not validated.

µg/L micrograms per liter
BCL Basic Comparison Level
DAI direct aqueous injection
Dup Duplicate Sample
EPA Environmental Protection Agency
MCL Maximum Contaminant Level
mg/L milligrams per liter
NA not available
ND<RL Not detected in concentrations exceeding the laboratory RL
NDEP Nevada Division of Environmental Protection
U.S. EPA United States Environmental Protection Agency

Laboratory-Assigned Qualifiers
J Estimated result. Result is less than the reporting limit.
QP1 Hydrocarbon result partly due to individual peak(s) in quantitation range.

Table 8
Summary of Detections - PCBs EPA 1668 and 8082
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	Total PCBs	PCB-4	PCB-5	PCB-6	PCB-7	PCB-8	PCB-9	PCB-10	PCB-11	PCB-12	PCB-13	PCB-14	PCB-15	PCB-105	PCB-114	PCB-118	PCB-156	PCB-157	PCB-167	PCB-169	PCB-189
		(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)	(pg/L)
U.S. EPA MCL[a]		500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NDEP BCL[b]		500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MC-MW-32	11/16/2010	373.1	**5.1** Ca, J	**8.6** Ca, J	**7.9** J	ND<200	**8.6** Ca, J	<200	**5.1** Ca, J	**320** B	**2.7** Ca, J	**2.7** Ca, J	ND<200	**4.4** J	**2.5** Ca, J	ND<20	**5.5** Ca, J, B	ND<20	ND<20	ND<20	ND<20	ND<20
MC-MW-33	11/17/2010	1054.2	**9.5** Ca, J, Ba	**24** Ca, J, Ba	**100** J	**59** Ca, J	**24** Ca, J, Ba	**59** Ca, J	**9.5** Ca, J, Ba	**550** Ba	**29** Ca, J	**29** Ca, J	ND<200	**4** J, Ba	**38** Ca, Ba	ND<20	**100** Ca, Ba	**12** J, Ba	**2.8** J, Ba	**2.5** J, Q, Ba	**0.69** J, Q, Ba	**1.2** J
	11/17/2010 Dup	1269.6	**11** Ca, J, Ba	**27** Ca, J, Ba	**130** J	**78** Ca, J	**27** Ca, J, Ba	**78** Ca, J	**11** Ca, J, Ba	**720** Ba	**37** Ca, J	**37** Ca, J	**1.6** J	**5.5** J, Ba	**25** Ca, Ba	**1.4** J, Q	**69** Ca, Ba	**6.9** J, Ba	**1.7** J, Ba	**1.9** J, Ba	ND<20	**0.64** J
MC-MW-34	8/31/2011	856.7	**0.039** Ja (J)	**36** Ja (J)	**110** Ja (J)	ND<190	**24** Ja, Q (J)	**100** Ja (J)	ND<190	**490** B	**42** Ca, Ja (J)	**42** Ca, Ja (J)	ND<190	**5.2** Ja, Q (J)	**3** Ja (J)	ND<19	**4.5** Ja, B (R)	ND<39	ND<39	ND<19	ND<19	ND<19
MC-MW-35	8/31/2011	263.0	**0.078** Ja (J)	ND<190	**14** Ja (J)	ND<190	**21** Ja (J)	ND<190	ND<190	**210** B	ND<190	ND<190	ND<190	**7** Ja (J)	**2.3** Ja (J)	ND<19	**6.2** Ja, B (R)	**1.2** Ca, Ja (J)	**1.2** Ca, Ja (J)	ND<19	ND<19	ND<19
MC-MW-36	11/15/2010	272.5	**7.3** C, J	**9** C, J	**15** J	**16** C, J	**9** C, J	**16** C, J	**7.3** C, J	**96** J, B	**5.6** C, J	**5.6** C, J	ND<200	**2.3** J	**24** C, J	ND<20	**55** C, J, B	**4.4** J, Q	ND<20	ND<20	ND<20	ND<20
MC-MW-37	11/16/2010	80.4	**1.1** Ca, J	**3.9** Ca, J	**2.2** J	**1.9** Ca, J	**3.9** Ca, J	**1.9** Ca, J	**1.1** Ca, J	**53** J, B	**3** Ca, J	**3** Ca, J	ND<200	**1.7** J	**1** Ca, J, Q	ND<20	**2.7** Ca, J, Q, B	ND<20	ND<20	ND<20	ND<20	ND<20
MC-MW-38	11/16/2010	211.7	**3.9** Ca, J	**8.2** Ca, J	**13** J	**8.7** Ca, J	**8.2** Ca, J	**8.7** Ca, J	**3.9** Ca, J	**140** J, B	**5.3** Ca, J	**5.3** Ca, J	ND<200	**2.8** J	ND<20	ND<20	**3.7** Ca, J, B	ND<20	ND<20	ND<20	ND<20	ND<20

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Total PCBs = sum of detected PCBs
Compounds not shown were not detected in any of the samples at concentrations greater than the laboratory method detection limits.
The November 2010 laboratory data was not validated.

BCL Basic Comparison Level
Dup Duplicate Sample
EPA Environmental Protection Agency
MCL Maximum Contaminant Level
NA not available
ND<RL Not detected in concentrations exceeding the laboratory RL.
NDEP Nevada Division of Environmental Protection
PCB polychlorinated biphenyl
pg/L pico grams per liter
U.S. EPA United States Environmental Protection Agency

Laboratory-Assigned Qualifiers
B Analyte was detected in the associated Method Blank.
Ba Method blank contamination . The associated method blank contains the target analyte at a reportable level.
Ca Co-eluting isomer.
J Estimated result. Result is less than the reporting limit.
Ja Estimated result. Result is less than the reporting limit.
Q Estimated maximum possible concentration (EMPC).

Data Validation Qualifiers
(J) Estimated value.
(R) Rejected data.

Table 9
Summary of Laboratory Results - Perchlorate by EPA 6850
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	Perchlorate (µg/L)
U.S. EPA MCL[a]		NA
NDEP BCL[b]		**18**
MC-MW-32	11/16/2010	**1,600**
	4/27/2011	**350**
MC-MW-33	11/17/2010	**39**
	11/17/2010 Dup	**41**
	4/28/2011	ND<0.5
MC-MW-34	8/31/2011	**1.9**
MC-MW-35	8/31/2011	**430**
MC-MW-36	11/15/2010	**54**
	4/28/2011	**0.76**
MC-MW-37	11/16/2010	**690,000**
	4/28/2011	**480,000**
MC-MW-38	11/16/2010	**210**
	4/29/2011	**0.13** J

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

µg/L micrograms per liter
BCL Basic Comparison Level
Dup Duplicate Sample
EPA Environmental Protection Agency
MCL Maximum Contaminant Level
NA not available
ND<RL not detected in concentrations exceeding the laboratory RL
NDEP Nevada Division of Environmental Protection
U.S. EPA United States Environmental Protection Agency

Table 10
Summary of Laboratory Results - Acetaldehydes by EPA 8270C and 8315A
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

		8270C		8315A	
Well	**Sampling Date**	**DCAA**	**TCAA**	**AA**	**FA**
		(µg/L)	(µg/L)	(µg/L)	(µg/L)
U.S. EPA MCL[a]		NA	NA	NA	NA
NDEP BCL[b]		NA	NA	**65.7**	**1.46**
MC-MW-32	11/17/2010	--	--	ND<50.0 H2	ND<50.0 H2
MC-MW-33	11/17/2010	ND<350	ND<150	ND<50.0 H2	ND<50.0 H2
	11/17/2010 Dup	ND<350	ND<150	ND<50.0 H2	ND<50.0 H2
MC-MW-34	8/31/2011	ND<350	ND<150	ND<10 C	ND<10
MC-MW-35	8/31/2011	ND<350	ND<150	ND<10 C	ND<10
MC-MW-36	11/16/2010	ND<350	ND<150	--	--
MC-MW-37	11/16/2010	ND<350	ND<150	**72.0**	ND<50.0
MC-MW-38	11/16/2010	ND<350	ND <150	ND<50.0	ND<50.0

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 laboratory data was not validated.

--	not analyzed
µg/L	micrograms per liter
AA	acetaldehyde
BCL	Basic Comparison Level
DCAA	dichloroacetaldehyde
Dup	Duplicate Sample
EPA	Environmental Protection Agency
FA	formaldehyde
MCL	Maximum Contaminant Level
NA	not available
ND<RL	Not detected in concentrations exceeding the laboratory RL
NDEP	Nevada Division of Environmental Protection
TCAA	trichloroacetaldehyde
U.S. EPA	United States Environmental Protection Agency

Laboratory-Assigned Qualifiers

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.

Table 11
Summary of Laboratory Results - Alkalinity by SM 2320B
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)	Hydroxide (as $CaCO_3$)	Total (as $CaCO_3$)
		(mg/L)	(mg/L)	(mg/L)	(mg/L)
U.S. EPA MCL[a]		NA	NA	NA	NA
NDEP BCL[b]		NA	NA	NA	NA
MC-MW-32	11/17/2010	**92**	ND<2.0	ND<2.0	**92**
	4/27/2011	**120**	ND<2.0	ND<2.0	**120**
MC-MW-33	11/17/2010	**76**	ND<2.0	ND<2.0	**76**
	11/17/2010 Dup	**64**	ND<2.0	ND<2.0	**64**
	4/28/2011	**239**	ND<2.0	ND<2.0	**230**
MC-MW-34	8/31/2011	**110**	ND<2.0	ND<2.0	**110**
MC-MW-35	8/31/2011	ND<2.0	**16**	**40**	**56**
MC-MW-36	11/16/2010	**100**	ND<2.0	ND<2.0	**100**
	4/28/2011	**110**	ND<2.0	ND<2.0	**110**
MC-MW-37	11/16/2010	**96**	ND<2.0	ND<2.0	**96**
	4/28/2011	**120**	ND<2.0	ND<2.0	**120**
MC-MW-38	11/16/2010	**98**	ND<2.0	ND<2.0	**98**
	4/29/2011	**110**	ND<2.0	ND<2.0	**110**

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

BCL Basic Comparison Level
$CaCO_3$ calcium carbonate
Dup Duplicate Sample
MCL Maximum Contaminant Level
mg/L milligrams per liter
NA not available
ND<RL not detected in concentrations exceeding the laboratory RL
NDEP Nevada Division of Environmental Protection
SM Standard Methods
U.S. EPA United States Environmental Protection Agency

Table 12
Summary of Laboratory Results - Ammonia By SM 4500, Total Phosphorous by EPA 365.3,
TDS by SM 2540C, Anions by EPA 9056, pH by EPA 9040B, and Total Inorganic Carbon by SM 5310C and EPA 9060A
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

		SM 4500-NH_3 D	EPA 365.3	SM 2540C	EPA 9056							Mod. EPA 9056	EPA 9040B	SM 5310C	EPA 9060A
Well	Sampling Date	Ammonia	Total Phosphorus	TDS	Bromide	Chloride	Fluoride	Nitrate	Nitrite	Ortho-phosphate	Sulfate	Iodide	pH	Total Inorganic Carbon	
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
U.S. EPA MCL[a]		NA	NA	NA	NA	NA	4	10	1	NA	NA	NA	NA	NA	
NDEP BCL[b]		0.73	NA	NA	NA	NA	4	10	1	NA	NA	NA	NA	NA	
MC-MW-32	11/16/2010	--	--	--	--	--	--	ND<1.1 RL3	ND<1.5 RL1	--	--	220	--	--	26.9
	11/17/2010	ND<0.50	ND<0.10	5,800	ND<5.0 RL1	1,600	4.3 RL3, J	--	--	ND<1.6 RL1	1,500	--	7.47 HFT	--	--
	4/27/2011	--	--	5,700	--	1,900 MHA	0.51 RL1, J	0.18 RL1, M1, R-3, J	--	--	1,900 MHA	--	--	--	--
MC-MW-33	11/17/2010	ND<0.50	ND<0.10	920	0.49 J	210	0.92	ND<0.11	ND<0.15	ND<0.16	300	86	8.20 HFT	23.2 H2	--
	11/17/2010 Dup	ND<0.50	ND<0.10	900	0.48 J	210	0.96	ND<0.11	ND<0.15	ND<0.16	300	60	8.36 HFT	24.3 H2	--
	4/28/2011	--	--	790	--	180	0.70	0.089 J	--	--	170	--	6.0 HFT	--	--
MC-MW-34	8/31/2011	ND<0.50	0.13	3,500 J-TDS	2.5	1,700	1.8 Jb (J)	0.49 Jb (J)	ND<3.0 RL1	ND<0.80	640	3,000	7.9 HFT	21.4 (J-)	--
MC-MW-35	8/31/2011	ND<0.50	ND<0.050	700	0.57	160	0.92	1.6	0.55	ND<0.16	240	8.7 J	9.8 HFT	3.54 (J-)	--
MC-MW-36	11/15/2010	ND<0.50	--	--	--	--	1.3	ND<0.22 RL1	ND<7.5 RL1	--	260	300	--	--	--
	11/16/2010	--	ND<0.10	1,500	ND<1.0 RL1	530	--	--	--	ND<0.32 RL1, C8	--	--	--	--	26.6
	4/28/2011	--	--	1,600	--	680	0.57	0.085 J	--	--	300	--	7.8 HFT	--	--
MC-MW-37	11/16/2010	ND<0.50	ND<0.10	8,400	4.8 RL1, J	1,600	4.2 RL1, J	58	ND<3.0 M1, RL1	ND<3.2 C8, M1, RL1	1,800	73	7.69 HFT	--	22.3
	4/28/2011	--	--	6,500	--	2,100	ND<1.0 RL1	26	--	--	1,300	--	7.5 HFT	--	--
MC-MW-38	11/16/2010	ND<0.50	0.042 J	4,800	ND<5.0 RL1	1,500	4.2 RL1, J	ND<1.1 RL1	ND<1.5 RL1	ND<1.6 C8, RL1	1,000	390	7.80 HFT	--	24.5
	4/29/2011	--	--	4,300	--	1,600	0.30 RL1, J	ND<0.11	--	--	1,000	--	7.6 HFT	--	--

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

--	not analyzed
BCL	Basic Comparison Level
Dup	Duplicate Sample
EPA	Environmental Protection Agency
LCS	laboratory control sample
MCL	Maximum Contaminant Level
MDL	method detection limit
mg/L	milligrams per liter
Mod.	Modified
MS	matrix spike
MSD	matrix spike duplicate
NA	not available
ND<RL	not detected in concentrations exceeding the laboratory RL
NH_3	ammonia
NDEP	Nevada Division of Environmental Protection
RL	reporting limit
RPD	relative percent difference
SM	Standard Methods
TIC	total inorganic carbon
U.S. EPA	United States Environmental Protection Agency

Laboratory-Assigned Qualifiers

C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS)
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	Reporting limit raised due to sample matrix effects.
RL3	Reporting limit raised due to high concentrations of non-target analytes.

Data Validation Qualifiers

(J)	Estimated value.
(J-)	Estimated value – may be biased low.
J-TDS	Estimated value – TDS check outside of parameters

Table 13
Summary of Laboratory Results - Organic Acids by HPLC
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Well	Sampling Date	BSA	pCBSA	DePDA	DmPDA	PA
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
U.S. EPA MCL[a]		NA	NA	NA	NA	NA
NDEP BCL[b]		**18.3**	**36.5**	**2.92**	**3.65**	NA
MC-MW-32	11/16/2010	ND<0.050	**21**	ND<0.050	ND<0.25	ND<0.050
MC-MW-33	11/17/2010	ND<0.050	**0.058**	ND<0.050	ND<0.25	ND<0.050
	11/17/2010 Dup	ND<0.050	**0.056**	ND<0.050	ND<0.25	ND<0.050
MC-MW-34	8/31/2011	**0.46**	**7.8**	**0.20**	**0.46**	ND<0.050
MC-MW-35	8/31/2011	ND<0.050	ND<0.050	ND<0.050	ND<0.25	ND<0.050
MC-MW-36	11/16/2010	ND<0.050	**7.7**	ND<0.050	ND<0.25	ND<0.050
MC-MW-37	11/16/2010	ND<0.050	ND<0.050	ND<0.050	ND<0.25	ND<0.050
MC-MW-38	11/16/2010	ND<0.050	**29**	ND<0.050	ND<0.25	ND<0.050

Notes:
[a] United States Environmental Protection Agency (U.S. EPA) Maximum Contaminant Levels (MCL) – May 2009
[b] Nevada Division of Environmental Protection (NDEP) Basic Comparison Levels (BCL) – December 2010

Yellow highlighting indicates concentration greater than U.S. EPA MCL and/or NDEP BCL.
The November 2010 laboratory data was not validated.

BCL Basic Comparison Level
BSA benzenesulfonic acid
DePDA diethyl phosphorodithioic acid
DmPDA dimethyl phosphorodithioic acid
Dup Duplicate Sample
EPA Environmental Protection Agency
MCL Maximum Contaminant Level
mg/L milligrams per liter
NA not available
ND<RL not detected in concentrations exceeding the laboratory RL
NDEP Nevada Division of Environmental Protection
PA phthalic acid
pCBSA 4-chlorobenzenesulfonic acid
U.S. EPA United States Environmental Protection Agency

Table 14
Summary Statistics of Laboratory Results
Upper Muddy Creek Formation Additional Investigation
OSSM Joint Groundwater Program, Henderson, Nevada

Class	Constituent	Number of Samples	Number of Detections	Minimum ND Value [b]	Maximum ND Value [b]	Minimum Detected Concentration (µg/L) [a,b]	Maximum Detected Concentration (µg/L) [a,b]	Mean of Detected Concentration (µg/L)[b]	Standard Deviation of Detected Concentration[b]
VOCs	Acetone	7	1	5	25	4.8	4.8	4.8	---
	Benzene	7	6	1	1	2.9	1500	367.32	592.63
	Bromodichloromethane	7	0	1	5	0	0	---	---
	Bromoform	7	1	2.5	12.5	1.1	1.1	1.1	---
	Bromomethane	7	0	2.5	12.5	0	0	---	---
	Carbon tetrachloride	7	1	0.5	12.5	2.3	2.3	2.3	---
	Chloroform	7	6	1	1	0.45	220	70.74	90.40
	Dibromochlormethane	7	0	1	5	0	0	---	---
	1,2-dichlorobenzene	7	4	1	1	0.41	26	7.6	12.4
	1,3-dichlorobenzene	7	1	1	4.75	0.44	0.44	0.44	---
	1,4-dichlorobenzene	7	3	1	1	0.69	36	14.56	18.83
	1,1-dichloroethane	7	5	1	1	2.2	18	6.24	6.67
	1,2-dichloroethane	7	5	1	1	1.2	4.6	2.42	1.33
	1,1-dichloroethene	7	1	2.5	12.5	0.57	0.57	0.57	---
	Methylene chloride	7	3	1	2.5	5	9.2	6.50	2.34
	Monochlorobenzene	7	6	1	1	5.7	950	219.88	376.78
	Napthalene	7	3	2.5	12.5	0.42	0.59	0.51	0.09
	Nonanal	7	1	2.5	12.5	1.7	1.7	1.7	---
	Tetrachloroethene	7	1	1	5	0.45	0.45	0.45	---
	Toluene	7	1	1	5	0.65	0.65	0.65	---
	Trichloroethene	7	3	1	1	0.27	2.3	0.96	1.16
Metals	Aluminum	7	7	---	---	0.0086	0.18	0.18	0.27
	Antimony	7	4	0.0010	0.0010	0.00035	0.0005	0.0004	0.00006
	Arsenic	7	7	---	---	0.010	0.056	0.028	0.017
	Barium	7	7	---	---	0.022	0.12	0.064	0.034
	Beryllium	7	0	0.00025	0.00025	0	0	---	---
	Boron	7	7	---	---	0.56	9.5	2.45	3.21
	Cadmium	7	3	0.0005	0.0005	0.000058	0.00013	0.00009	0.00004
	Calcium	7	7	---	---	45	590	274.57	211.77
	Chromium (VI)	7	6	0.0010	0.0010	0.0032	1.6	0.33	0.71
	Chromium (Total)	7	7	---	---	0.0023	0.88	0.14	0.33
	Cobalt	7	7	---	---	0.00011	0.0017	0.00084	0.00067
	Copper	7	7	---	---	0.0011	0.019	0.0060	0.0061
	Cyanide	7	0	0.0125	0.0125	0	0	---	---
	Iron	7	4	0.020	0.040	0.19	1.5	0.58	0.62
	Lead	7	7	---	---	0.00018	0.0013	0.00070	0.00073
	Lithium	7	7	---	---	0.048	0.21	0.13	0.075
	Magnesium	7	7	---	---	6.2	310	148.74	122.47
	Manganese	5	5	---	---	0.0065	0.25	0.095	0.096
	Mercury	7	0	0.00010	0.00010	0	0	---	---
	Molybdenum	7	7	---	---	0.014	0.036	0.025	0.010
	Nickel	7	6	0.0010	0.0010	0.0012	0.0097	0.0056	0.0060
	Phosphorus	7	6	0.020	0.020	0.052	0.19	0.10	0.052
	Potassium	7	7	---	---	9	27	18.29	7.25
	Selenium	7	4	0.0010	0.0025	0.0011	0.0034	0.0021	0.0010
	Silver	7	2	0.0005	0.0025	0.000058	0.00010	0.000080	0.000030
	Sodium	7	7	---	---	170	1100	548.57	418.23
	Strontium	7	7	---	---	1.1	15	7.23	5.66
	Sulfur	7	7	---	---	0.285	669	164.50	262.84
	Thallium	7	1	0.0005	0.0005	0.00074	0.00074	0.00074	---
	Tin	7	1	0.05	0.10	0.045	0.045	0.045	---
	Titanium	7	4	0.05	0.0025	0.003	0.0074	0.0084	0.0073
	Uranium	7	7	---	---	0.00056	0.028	0.011	0.010
	Vanadium	7	7	---	---	0.0076	0.050	0.023	0.017
	Zinc	7	7	---	---	0.0069	0.31	0.077	0.11
Other	Perchlorate	7	6	0.25	0.25	0.13	480000	80130	195895

Notes:
[a] Maxium and Minimum detections were based on Table 3, 6, and 9 presented of this report.
[b] Statistical Analysis was prepared according to Guidance on the Developmen tof Summary Statistics Tables presented in NDEP letter dated December 10, 2008.
ND = Non Detect

Table 15
Laboratory QA/QC Results
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Sampling Date	Sample Type	Sample ID	Acetone (µg/L)	BF (µg/L)	BMe (µg/L)	CF (µg/L)	MeCL (µg/L)	Toluene (µg/L)
11/15/2010	TB	TB111510	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	EB	EB111510	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	FB	MC-MW-36FB	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.46** J
11/16/2010	TB	TB111610	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	FB	MC-MW-32FB	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.47** J
11/17/2010	TB	TB111710	ND<10	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	FB	MC-MW-33FB	**5.2** J	**0.68** J	**0.55** J	ND<2.0	**1.3** B, J	**0.47** J
04/27/2011	TB	TB-20110427	--	ND<5.0	ND<5.0	**0.83** J	**1.5**	ND<2.0
04/28/2011	TB	TB-20110428	--	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
04/29/2011	TB	TB-20110429	--	ND<5.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0
08/31/2011	TB	TB083111A	ND<10 (UJ)	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	EB	EB083111A	ND<10 (UJ)	ND<5.0	ND<5.0	ND<2.0	ND<5.0	ND<2.0
	FB	FB083111A	ND<10 (UJ)	ND<5.0	ND<5.0	ND<2.0	ND<5.0	**0.39** Jb (J)

Notes:
Compounds not shown were not detected in any of the samples at concentrations greater than the laboratory method detection limits.
The November 2010 laboratory data was not validated.
April 2011 data was collected as part of the Comprehensive Groundwater Data Evaluation Report (H+A, 2011).

-- not analyzed
BF bromoform
BMe bromomethane
CF chloroform
EB equipment blank
FB field blank
MDL method detection limit
MeCL methylene chloride
ND<RL not detected in concentrations exceeding the laboratory RL
RL reporting limit
TB trip blank

Laboratory-Assigned Qualifiers
B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J Estimated value. Analyte detected at a level less than the RL and greater than or equal to the MDL.
Jb Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Data Validation Qualifiers
(J) Estimated value.
(UJ) Reporting limit estimated.

Table 16
Slug Test Results
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

	Hydraulic Conductivity (ft/day)				
Test Well	**Slug In (Bouwer-Rice)**	**Slug In (Hvorslev)**	**Slug Out (Bouwer-Rice)**	**Slug Out (Hvorslev)**	**Average[1] Conductivity**
MC-MW-32	0.055	0.085	0.020	0.029	**0.047**
MC-MW-33	0.011	0.014	0.003	0.004	**0.008**
MC-MW-34	0.069	0.093	0.064	0.086	**0.078**
MC-MW-35*	1.036	1.289	0.640	0.851	**0.954**
MC-MW-36	0.067	0.101	0.024	0.032	**0.056**
MC-MW-37*	6.923	8.724	8.851	9.908	**8.602**
MC-MW-38	0.115	0.120	0.256	0.356	**0.212**
Without MC-MW-35 and 37					
Geometric Mean	0.050	0.067	0.030	0.040	**0.051**
Arithmetic Mean	0.063	0.083	0.073	0.101	**0.080**
All Wells					
Geometric Mean	0.156	0.206	0.104	0.137	**0.161**
Arithmetic Mean	1.182	1.490	1.408	1.609	**1.422**

Notes:
Hydraulic Conductivities were calculated using the Bouwer-Rice and Hvorslev solutions using Aqtesolv™.
[1]Unweighted average of the four calculated results for each well.
*Sand and gravel lenses encountered in UMCf
Hydraulic Conductivity of middle zone well MC-MW-29 was previously estimated to be 0.52 ft/day.

Table 17a
Mass Flux Calculations
Upper Muddy Creek Formation Additional Groundwater Investigation
Henderson, Nevada

Equation : $Q = K * i * A * M_{conc}$

Q = mass flux rate (lbs/day)
K = hydraulic conductivity (ft/day)
i = hydraulic gradient (ft/ft)
A= Cross-Sectional Area (ft^2)
Mconc = VOC concentration (g/L)

	Horizontal							Horizontal				
Well ID	**K (ft/day)**	**i (ft/ft)**	**A (ft^2)**	**Benzene (g/L)**	**MCB (g/L)**	**TTHM (g/L)**	**Total VOCs (g/L)**	**$Q_{BENZENE}$ (lbs/day)**	**Q_{MCB} (lbs/day)**	**Q_{TTHM} (lbs/day)**	**Q_{TOTAL} (lbs/day)**	**Q_{TOTAL} (Days/lb)**
MC-MW-29*	0.520	0.017	13,608	0.0019000	0.0046000	0.0000047	0.0073193	0.0142596	0.0345233	0.0000353	0.0549318	18
MC-MW-32	0.047	0.016	15,150	0.0000280	0.0000096	0.0000028	0.0000441	0.0000199	0.0000068	0.0000020	0.0000313	31,902
MC-MW-33	0.008	0.014	14,229	0.0000130	0.0000120	0.0000000	0.0000261	0.0000013	0.0000012	0.0000000	0.0000026	385,353
MC-MW-34	0.078	0.017	13,608	0.0015000	0.0009500	0.0002200	0.0027661	0.0016886	0.0010695	0.0002477	0.0031140	321
MC-MW-35	0.954	0.015	11,232	0.0000000	0.0000000	0.0000005	0.0000005	0.0000000	0.0000000	0.0000045	0.0000045	221,607
Subtotal without MC-MW-29								**0.0017098**	**0.0010775**	**0.0002542**	**0.0031524**	**317**
Subtotal with MC-MW-29								**0.0159695**	**0.0356008**	**0.0002894**	**0.0580843**	**17**
MC-MW-36	0.056	0.017	30,960	0.0001100	0.0000320	0.0001400	0.0002938	0.0002023	0.0000588	0.0002574	0.0005403	1,851
MC-MW-37	8.602	0.017	13,524	0.0000029	0.0000057	0.0000540	0.0000782	0.0003578	0.0007033	0.0066628	0.0096536	104
MC-MW-38	0.212	0.014	16,700	0.0005500	0.0003100	0.0000082	0.0008841	0.0017008	0.0009586	0.0000254	0.0027339	366
Subtotal								**0.0022609**	**0.0017208**	**0.0069456**	**0.0129278**	**77**

Notes:
28.3 Liters = 1 Cubic Foot
1 pound= 453.6 grams
A = Based upon top of UMCf to bottom of the screen interval and lateral distances shown in Figure J-1 (Appendix J)
i= Calculated from Figure 4
K= Calculated from Slug Tests as shown in Table 15
M_{conc} = VOC concentrations as shown in Table 3
Q_{TOTAL} Mass Flux for all VOCs detected.
$Q_{BENZENE}$ Mass Flux for Benzene. Refer to Table 3, Appendix J
Q_{MCB} Mass Flux for Monochlorobenzene. Refer to Table 3, Appendix J
Q_{TTHM} Mass Flux for Total Trihalomethanes. Refer to Table 3, Appendix J
Concentration exceeds EPA MCL
* MC-MW-29 has a 30 foot screened interval; all other wells have a 10 foot screened interval
MC-MW-30 and 31 were excluded from mass flux calculations; no hydraulic conductivities available for these wells; located in same area as MC-MW-34

Table 17b
Vertical Mass Flux Calculations - Low Case
Upper Muddy Creek Formation Additional Groundwater Investigation
Henderson, Nevada

Equation : $Q = K * i * A * M_{conc}$

Q = mass flux rate (lbs/day)
K = hydraulic conductivity (ft/day)
i = hydraulic gradient (ft/ft)
A= Cross-Sectional Area (ft^2)
Mconc = VOC concentration (g/L)

	Vertical (Upward)							Vertical (Upward)				
Well ID	**Kv = Kh/100 (ft/day)**	**i (ft/ft)**	**A (L=950 ft) (ft^2)**	**Benzene (g/L)**	**MCB (g/L)**	**TTHM (g/L)**	**Total VOCs (g/L)**	**$Q_{BENZENE}$ (lbs/day)**	**Q_{MCB} (lbs/day)**	**Q_{TTHM} (lbs/day)**	**Q_{TOTAL} (lbs/day)**	**Q_{TOTAL} (Days/lb)**
MC-MW-29*	0.00520	0.030	359,100	0.0019000	0.0046000	0.0000047	0.0073193	0.0066405	0.0160770	0.0000164	0.0255810	39
MC-MW-32	0.00047	NA	575,700	0.0000280	0.0000096	0.0000028	0.0000441	Not Applicable - Qal is dry at this location				---
MC-MW-33	0.00008	0.076	500,650	0.0000130	0.0000120	0.0000000	0.0000261	0.0000025	0.0000023	0.0000000	0.0000050	201,750
MC-MW-34	0.00078	-0.006	538,650	0.0000130	0.0006600	0.0000017	0.0027661	-0.0000020	-0.0001038	-0.0000003	-0.0004350	2,299
MC-MW-35	0.00954	-0.015	444,600	0.0000000	0.0000000	0.0000220	0.0000005	0.0000000	0.0000000	-0.0000873	-0.0000018	559,848
Subtotal without MC-MW-29								**0.0000004**	**-0.0001015**	**-0.0000876**	**-0.0004319**	**2,316**
Subtotal with MC-MW-29								**0.0066409**	**0.0159755**	**-0.0000712**	**0.0251491**	**40**
MC-MW-36	0.00056	NA	1,225,500	0.0001100	0.0000320	0.0001400	0.0002938	Not Applicable - Qal is dry at this location				---
MC-MW-37	0.08602	0.119	558,600	0.0000029	0.0000057	0.0000540	0.0000782	0.0010346	0.0020334	0.0192641	0.0279116	36
MC-MW-38	0.00212	NA	634,600	0.0005500	0.0003100	0.0000082	0.0008841	Not Applicable - Qal is dry at this location				---
Subtotal								**0.0010346**	**0.0020334**	**0.0192641**	**0.0279116**	**36**

Notes:
28.3 Liters = 1 Cubic Foot
1 pound= 453.6 grams
A = Based upon grids shown in Figure J-1 (Appendix J)
i= Calculated from Figure 4
K= Calculated from Slug Tests as shown in Table 15
M_{conc} = VOC concentrations as shown in Table 3 for upward mass flux; concentrations from Qal Wells J and A are used for downward mass flux at MC-MW-34 and 35 respectively
Q_{TOTAL} Mass Flux for all VOCs detected.
$Q_{BENZENE}$ Mass Flux for Benzene. Refer to Table 3, Appendix J
Q_{MCB} Mass Flux for Monochlorobenzene. Refer to Table 3, Appendix J
Q_{TTHM} Mass Flux for Total Trihalomethanes. Refer to Table 3, Appendix J
Concentration exceeds EPA MCL
* MC-MW-29 has a 30 foot screened interval; all other wells have a 10 foot screened interval
MC-MW-30 and 31 were excluded from mass flux calculations; no hydraulic conductivities available for these wells; located in same area as MC-MW-34

Table 17c
Vertical Mass Flux Calculations - High Case
Upper Muddy Creek Formation Additional Groundwater Investigation
Henderson, Nevada

Equation : $Q = K * i * A * M_{conc}$

Q = mass flux rate (lbs/day)
K = hydraulic conductivity (ft/day)
i = hydraulic gradient (ft/ft)
A= Cross-Sectional Area (ft^2)
Mconc = VOC concentration (g/L)

	Vertical (Upward)							Vertical (Upward)				
Well ID	**Kv = Kh/10 (ft/day)**	**i (ft/ft)**	**A (L=950 ft) (ft^2)**	**Benzene (g/L)**	**MCB (g/L)**	**TTHM (g/L)**	**Total VOCs (g/L)**	**$Q_{BENZENE}$ (lbs/day)**	**Q_{MCB} (lbs/day)**	**Q_{TTHM} (lbs/day)**	**Q_{TOTAL} (lbs/day)**	**Q_{TOTAL} (Days/lb)**
MC-MW-29*	0.0520	0.030	359,100	0.0019000	0.0046000	0.0000047	0.0073193	0.0664051	0.1607703	0.0001643	0.2558100	4
MC-MW-32	0.0047	NA	575,700	0.0000280	0.0000096	0.0000028	0.0000441	Not Applicable - Qal is dry at this location				---
MC-MW-33	0.0008	0.076	500,650	0.0000130	0.0000120	0.0000000	0.0000261	0.0000247	0.0000228	0.0000000	0.0000496	20,175
MC-MW-34	0.0078	-0.006	538,650	0.0000130	0.0006600	0.0000017	0.0027661	-0.0000204	-0.0010380	-0.0000027	-0.0043504	230
MC-MW-35	0.0954	-0.015	444,600	0.0000000	0.0000000	0.0000220	0.0000005	0.0000000	0.0000000	-0.0008733	-0.0000179	55,985
Subtotal without MC-MW-29								**0.0000042**	**-0.0010152**	**-0.0008759**	**-0.0043187**	**232**
Subtotal with MC-MW-29								**0.0664094**	**0.1597551**	**-0.0007117**	**0.2514913**	**4**
MC-MW-36	0.0056	NA	1,225,500	0.0001100	0.0000320	0.0001400	0.0002938	Not Applicable - Qal is dry at this location				---
MC-MW-37	0.8602	0.119	558,600	0.0000029	0.0000057	0.0000540	0.0000782	0.0103455	0.0203343	0.1926412	0.2791157	4
MC-MW-38	0.0212	NA	634,600	0.0005500	0.0003100	0.0000082	0.0008841	Not Applicable - Qal is dry at this location				---
Subtotal								**0.0103455**	**0.0203343**	**0.1926412**	**0.2791157**	**4**

Notes:
28.3 Liters = 1 Cubic Foot
1 pound= 453.6 grams
A = Based upon grids shown in Figure J-1 (Appendix J)
i= Calculated from Figure 4
K= Calculated from Slug Tests as shown in Table 15
M_{conc} = VOC concentrations as shown in Table 3 for upward mass flux; concentrations from Qal Wells J and A are used for downward mass flux at MC-MW-34 and 35 respectively
Q_{TOTAL} Mass Flux for all VOCs detected.
$Q_{BENZENE}$ Mass Flux for Benzene. Refer to Table 3, Appendix J
Q_{MCB} Mass Flux for Monochlorobenzene. Refer to Table 3, Appendix J
Q_{TTHM} Mass Flux for Total Trihalomethanes. Refer to Table 3, Appendix J
Concentration exceeds EPA MCL
* MC-MW-29 has a 30 foot screened interval; all other wells have a 10 foot screened interval
MC-MW-30 and 31 were excluded from mass flux calculations; no hydraulic conductivities available for these wells; located in same area as MC-MW-34

APPENDIX A
Copies of Permits

STATE OF NEVADA DIVISION OF WATER RESOURCES

Facsimile Transmission

Water is Nevada's most precious renewable natural resource, we must all work together to safeguard it.....

STATE OF NEVADA
DIVISION OF WATER
RESOURCES

400 Shadow Lane
Suite 201
Las Vegas, Nevada 89106

Phone: 702-486-2770

Fax: 702-486-2781

DATE: 8/17/2011- 2:43 PM----No. Of Pages (incl. Cover sheet): 1

TO: WDC Exploration -- 702-639-9822

FROM: DIVISION OF WATER RESOURCES LAS VEGAS

MESSAGE: NOI CARD APPROVED

DRILLER: Cothron J.:

Reference Notice Of Intent Card # 36057.

1. The above referenced Notice of Intent Card is APPROVED for the Drilling of two Monitor wells.
2. If you have any questions call Steven Martinez at 702-486-2770

IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

AFFIDAVIT OF INTENT TO ABANDON A MONITORING WELL

Notice of Intent # 36057; NDEP Order # H-000536/H-000540

I, Montrose/Olin/Stauffer Management Co. Owner Name & Title

w/ The Henderson Site Fund E.R.T. Company

c/o de maximis, inc. Address where owner/agent can be reached

1322 Scott St. #104, San Diego, CA 92106

(619) 546-8377 Telephone Number

DCNR/DWR RECEIVED AUG 15 2011 LAS VEGAS OFFICE

of the real property located at:

Street Address (if any) Warm Springs Road, Henderson, Nevada 89015 (MC-MW-34 & MC-MW-35)

County Assessor Parcel Number (APN) 178-11-501-006

Situated within the NE ¼ NE ¼ Section 11 T 22 S R 62 E, M.D.B. & M.

{ Latitude (N): _____ / Longitude (W): _____ } or { UTM (m) E: 824838.154 / UTM (m) N: 26721988.363 } Datum NAD83/WGS84

and whereupon one or more monitoring wells are located or to be located, fully understand that I shall be responsible for, and shall cause the existing wells to be plugged and abandoned in accordance with the provisions contained in Nevada Administrative Code (NAC) 534.4365 and all other applicable rules and regulations for drilling/plugging wells in the State of Nevada, **not later than thirty days after the date when monitoring is no longer required.**

I shall further make any purchaser of this parcel aware of these conditions.

Owner: (Printed Name): Edward Modiano (Signature): Edward Modiano

Subscribed and sworn before me this 10 day of August, 20 11

Notary Public in and for the County of San Diego

State of CA

My commission expires Dec. 11. 2011

A. STEFANI
COMM. # 1784682
NOTARY PUBLIC-CALIFORNIA
SAN DIEGO COUNTY
MY COMM. EXP. DEC. 11, 2011

A. _____
Notary Signature

Notary Seal

Revised 07/09

Additional Well Locations

Coordinate system Lat/Long

Datum NAD83/WGS84

Well ID/Name	Coordinates		1/4	1/4	Sec.	Twn	Rng	APN
MC-MW-34	36° 03' 16.37" N	115° 00' 45.98" W	NE	NE	11	22S	62	178-11-501-006
MC-MW-35	36° 03' 20.18" N	115° 00' 51.95" W						

DCNR/DWR
RECEIVED
AUG 15 2011
LAS VEGAS OFFICE

ORIGINAL
FILE WITH DIVISION OF
WATER RESOURCES

NOTICE OF INTENT

No. 36057

Today's Date: 8-11-11 Intended Start Date: 8-23-11

Type of Work to be Done: Drilling: ☒ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ☒ If there is an existing well, what is the well log number? _____

Proposed use of well: Monitor Diameter of well: 2 inches Number of wells: 2

If this well is a domestic well, is it located within a water purveyor's service area? Yes ☐ No ☒ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-600536 / H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: NE 1/4 NE 1/4 Sec. 11 T 22 N/S R 62 E

Latitude: See List UTM E _____ ☐ NAD 27

Longitude: _____ or UTM N _____ ☒ NAD 83/WGS 84

Address at well location: unincorp. County

Assessor Parcel Number: 178-11-501-006

County: Clark Subdivision Name: _____

Name of Client: Basic Environmental Co LLC

Address of Client: 875 W. Warm Springs RD; Henderson NV 89011-4063

Contractor's License Number: 0012852 On-Site Driller's License Number: M7371

Company Name and Address: WDC Exploration & wells; 739 W. Sunset Rd; Henderson NV 89011

Need Log Forms ☐ Need Intent Cards ☐

(Rev. 04-07) Driller's Signature: _____

DCNR/DWR
RECEIVED

AUG 15 2011

LAS VEGAS OFFICE

STATE OF NEVADA DIVISION OF WATER RESOURCES

Facsimile Transmission

Water is Nevada's most precious renewable natural resource, we must all work together to safeguard it.....

STATE OF NEVADA
DIVISION OF WATER
RESOURCES

400 Shadow Lane
Suite 201
Las Vegas, Nevada 89106

Phone: 702-486-2770

Fax: 702-486-2781

DATE: 11/3/2010- 1:06 PM----No. Of Pages (incl. Cover sheet): 1

TO: Cascade Drilling – 562-863-9534

FROM: DIVISION OF WATER RESOURCES LAS VEGAS

MESSAGE: NOI CARDS APPROVED

DRILLER: Nichols T:

Reference Notice Of Intent Card # 35706, 07, 08, 09 & 10.

1. The above referenced Notice of Intent Cards are APPROVED for the Drilling of five Monitor wells.
2. If you have any questions call Steven Martinez at 702-486-2770

DUPLICATE
RETAIN THIS COPY

NOTICE OF INTENT

No. 35706
MC-MW-32

Today's Date: _____ Intended Start Date: _____

Type of Work to be Done: Drilling: ■ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ■ If there is an existing well, what is the well log number? _____

Proposed use of well: Monitoring Diameter of well: 2 inches Number of wells: 1

If this well is a domestic well, is it located within e water purveyor's service area? Yes ☐ No ☐ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-000536/H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: NW 1/4 NW 1/4 Sec. 12 T 22S N/S R 62E

Latitude: _____ UTM E 826308.049 ☐ NAD 27

Longitude: _____ or UTM N 2672313.288 ■ NAD 83/WGS 84

Address at well location: WARM SPRINGS ROAD, HENDERSON, NV 89015

Assessor Parcel Number: 178-12-201-005

County: CLARK Subdivision Name: PT N2 SEC 12 22 62

Name of Client: TRONOX LLC

Address of Client: 560 W. LAKE MEAD DRIVE, HENDERSON, NV 89015

Contractor's License Number: C23-0073966 On-Site Driller's License Number: 2373

Company Name and Address: CASCADE DRILLING, L.P. 555 S. HARBOR Blvd, LA HABRA CA 90631

Need Log Forms ☐ Need Intent Cards ☐

(Rev. 04-07)

Driller's Signature: _____

DUPLICATE
RETAIN THIS COPY

NOTICE OF INTENT

No. 35707
MC-MW-33

Today's Date: _____ Intended Start Date: _____

Type of Work to be Done: Drilling: ■ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ■ If there is an existing well, what is the well log number? _____

Proposed use of well: MONITORING Diameter of well: 2 inches Number of wells: 1

If this well is a domestic well, is it located within a water purveyor's service area? Yes ☐ No ☐ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-000536/H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: NW 1/4 NW 1/4 Sec. 12 T 22S N/S R 62E

Latitude: _____ UTM E 825484.844 ☐ NAD 27

Longitude: _____ or UTM N 2672154.618 ■ NAD 83/WGS 84

Address at well location: WARM SPRINGS RD, HENDERSON, NV 89015

Assessor Parcel Number: 178-12-101-003

County: CLARK Subdivision Name: PT N2 SEC 12 22 62

Name of Client: TRONOX LLC

Address of Client: 560. W. LAKE MEAD DR., HENDERSON, NV 89015

Contractor's License Number: C23-0073966 On-Site Driller's License Number: 2373

Company Name and Address: CASCADE DRILLING, L.P., 555 S. HARBOR Blvd., LA HABRA CA 90631

Need Log Forms ☐ Need Intent Cards ☐

(Rev. 04-07)

Driller's Signature: _____

DUPLICATE
RETAIN THIS COPY

NOTICE OF INTENT

No. 35708
MC-MW-36

Today's Date: _____ Intended Start Date: _____

Type of Work to be Done: Drilling: ■ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ■ If there is an existing well, what is the well log number? _____

Proposed use of well: MONITORING Diameter of well: 2 inches Number of wells: 1

If this well is a domestic well, is it located within a water purveyor's service area? Yes ☐ No ☐ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-000536/H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: SW 1/4 SW 1/4 Sec. 12 T 22S N/S R 62 E

Latitude: _____ UTM E 825498.867 ☐ NAD 27

Longitude: _____ or UTM N 2672267 8.377 ■ NAD 83/WGS 84

Address at well location: WARM SPRINGS RD, HENDERSON, NV 89015

Assessor Parcel Number: 178-01-415-001

County: CLARK Subdivision Name: NORTH GATE

Name of Client: TRONOX LLC

Address of Client: 5160 W. LAKE MEAD DR., HENDERSON, NV 89015

Contractor's License Number: C23-0073966 On-Site Driller's License Number: 2373

Company Name and Address: CASCADE DRILLING, L.P., 555 S. HARBOR Blvd, LA HABRA, CA 90631

Need Log Forms ☐ **Need Intent Cards** ☐

(Rev. 04-07) Driller's Signature: _____

DUPLICATE
RETAIN THIS COPY

NOTICE OF INTENT

No. 35709
MC-MW-37

Today's Date: _____ Intended Start Date: _____

Type of Work to be Done: Drilling: ■ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ■ If there is an existing well, what is the well log number? _____

Proposed use of well: MONITORING Diameter of well: 2 inches Number of wells: 1

If this well is a domestic well, is it located within a water purveyor's service area? Yes ☐ No ☐ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-000536/H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: SW 1/4 SW 1/4 Sec. 1 T 22S N/S R 62 E

Latitude: _____ UTM E 826143.200 ☐ NAD 27

Longitude: _____ or UTM N 2672249 9.162 ■ NAD 83/WGS 84

Address at well location: WARM SPRINGS RD, HENDERSON, NV 89015

Assessor Parcel Number: 178-01-415-001

County: CLARK Subdivision Name: NORTH GATE

Name of Client: TRONOX LLC

Address of Client: 5160 W. LAKE MEAD DR., HENDERSON, NV 89015

Contractor's License Number: C23-0073966 On-Site Driller's License Number: 2373

Company Name and Address: CASCADE DRILLING, L.P., 555 S. HARBOR Blvd, LA HABRA, CA 90631

Need Log Forms ☐ **Need Intent Cards** ☐

(Rev. 04-07) Driller's Signature: _____

DUPLICATE
RETAIN THIS COPY

NOTICE OF INTENT

No. 35710
MC-MW-38

Today's Date: _____ Intended Start Date: _____

Type of Work to be Done: Drilling: ■ Deepening: ☐ Reconditioning: ☐ Plugging: ☐

Is this a replacement well? Yes ☐ No ■ If there is an existing well, what is the well log number? _____

Proposed use of well: MONITORING Diameter of well: 2 inches Number of wells: 1

If this well is a domestic well, is it located within a water purveyor's service area? Yes ☐ No ☐ If yes, what is the DOM waiver: _____

If this is a monitor well required by another government agency, what is the facility ID number? H-000536/H-000540

If this well is being completed under a waiver, please provide the corresponding waiver number: _____

If a water right is associated with this well, what is the permit number? _____

Location of the well by Public Land Survey: SW 1/4 SW 1/4 Sec. 1 T 22S N/S R 62 E

Latitude: _____ UTM E 826484.835 ☐ NAD 27

Longitude: _____ or UTM N 2672203 8.360 ■ NAD 83/WGS 84

Address at well location: WARM SPRINGS RD, HENDERSON, NV 89015

Assessor Parcel Number: 178-01-415-001

County: CLARK Subdivision Name: NORTH GATE

Name of Client: TRONOX LLC

Address of Client: 560 W. LAKE MEAD DR., HENDERSON, NV 89015

Contractor's License Number: C23-0073966 On-Site Driller's License Number: 2373

Company Name and Address: CASCADE DRILLING, L.P., 555 S. HARBOR Blvd, LA HABRA, CA 90631

Need Log Forms ☐ **Need Intent Cards** ☐

(Rev. 04-07) Driller's Signature: _____

IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

AFFIDAVIT OF INTENT TO ABANDON A MONITORING WELL

Notice of Intent # 36057; 36058 NDEP Order # H-000536/H-000540

I, Montrose/Olin/Stauffer Management Co. Owner Name & Title

w/ The Henderson Site Fund E.R.T. Company

c/o de maximis, inc. Address where owner/agent can be reached

1322 Scott St. #104, San Diego, CA 92106

(619) 546-8377 Telephone Number

of the real property located at:

Street Address (if any) Warm Springs Road, Henderson, Nevada 89015 (MC-MW-34 & MC-MW-35)

County Assessor Parcel Number (APN) 178-11-501-006

Situated within the NE ¼ NE ¼ Section 11 T 22 S R 62 E, M.D.B. & M.

{ Latitude (N): _____ / Longitude (W): _____ } or { UTM (m) E: 824838.154 / UTM (m) N: 26721988.363 } Datum NAD83/WGS84

and whereupon one or more monitoring wells are located or to be located, fully understand that I shall be responsible for, and shall cause the existing wells to be plugged and abandoned in accordance with the provisions contained in Nevada Administrative Code (NAC) 534.4365 and all other applicable rules and regulations for drilling/plugging wells in the State of Nevada, **not later than thirty days after the date when monitoring is no longer required.**

I shall further make any purchaser of this parcel aware of these conditions.

Owner: (Printed Name): Edward Modiano (Signature): Edward Modiano

Subscribed and sworn before me this 10 day of August, 20 11

Notary Public in and for the County of San Diego

State of CA

My commission expires Dec. 11. 2011

A. STEFANI
COMM. # 1784682
NOTARY PUBLIC - CALIFORNIA
SAN DIEGO COUNTY
MY COMM. EXP. DEC. 11, 2011

A. S

Notary Signature

Notary Seal

Revised 07/09

IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

AFFIDAVIT OF INTENT TO ABANDON A MONITORING WELL

Notice of Intent # 35707 NDEP Order # H-000536/H-000540

I, Susan Crowley Owner Name & Title

Tronox LLC Company

560 W. Lake Mead Drive Address where owner/agent can be reached

Henderson, NV 89015

702-592-7727 Telephone Number

DCNR/DWR
RECEIVED
NOV 02 2010
LAS VEGAS OFFICE

of the real property located at:

Street Address (if any) Warm Spring Road, Henderson, Nevada 89015 (MC-MW-33)

County Assessor Parcel Number (APN) 178-12-101-003

Situated within the NW ¼ NW ¼ Section 12 T 22 S R 62 E, M.D.B. & M.

{ Latitude (N): _____ / Longitude (W): _____ } or { UTM (m) E: 825484.844 / UTM (m) N: 26721546.618 } Datum NAD83/WGS84

and whereupon one or more monitoring wells are located or to be located, fully understand that I shall be responsible for, and shall cause the existing wells to be plugged and abandoned in accordance with the provisions contained in Nevada Administrative Code (NAC) 534.4365 and all other applicable rules and regulations for drilling/plugging wells in the State of Nevada, **not later than thirty days after the date when monitoring is no longer required.**

I shall further make any purchaser of this parcel aware of these conditions.

Owner: (Printed Name): SUSAN CROWLEY (Signature): Susan Crowley

Subscribed and sworn before me this 2 day of November, 20 10

Notary Public in and for the County of Clark

State of Nevada

My commission expires Jan. 5, 2013

PAMELA A. BRISBY
Notary Public, State of Nevada
Appointment No. 08-6691-1
My Appt. Expires Jan 5, 2013

Pamela A Brisby
Notary Signature

Notary Seal

Revised 07/09

IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

AFFIDAVIT OF INTENT TO ABANDON A MONITORING WELL

Notice of Intent # 35706 NDEP Order # H-000536/H-000540

I, Susan Crowley Owner Name & Title

Tronox LLC Company

560 W. Lake Mead Drive Address where owner/agent can be contacted

Henderson, NV 89015

702-592-7727 Telephone Number

DCNR/DWR RECEIVED NOV 02 2010 LAS VEGAS OFFICE

of the real property located at:

Street Address (if any) Warm Spring Road, Henderson, Nevada 89015 (MC-MW-32)

County Assessor Parcel Number (APN) 178-12-201-005

Situated within the SW ¼ NW ¼ Section 12 T 22 S R 62 E, M.D.B. & M.

{ Latitude (N): _____ / Longitude (W): _____ } or { UTM (m) E: 826308.049 / UTM (m) N: 26721313.288 } Datum NAD83/WGS84

and whereupon one or more monitoring wells are located or to be located, fully understand that I shall be responsible for, and shall cause the existing wells to be plugged and abandoned in accordance with the provisions contained in Nevada Administrative Code (NAC) 534.4365 and all other applicable rules and regulations for drilling/plugging wells in the State of Nevada, **not later than thirty days after the date when monitoring is no longer required.**

I shall further make any purchaser of this parcel aware of these conditions.

Owner: (Printed Name): SUSAN CROWLEY (Signature): Susan Crowley

Subscribed and sworn before me this 2 day of November, 20 10

Notary Public in and for the County of Clark

State of NEVADA

My commission expires Jan. 5, 2013

PAMELA A. BRISBY
Notary Public, State of Nevada
Appointment No. 09-8881-1
My Appt. Expires Jan 5, 2013

Pamela A Brisby
Notary Signature

Notary Seal

Revised 07/09

IN THE OFFICE OF THE STATE ENGINEER OF NEVADA

AFFIDAVIT OF INTENT TO ABANDON A MONITORING WELL

Notice of Intent # 35708; 35709; 35710 NDEP Order # H-000536/H-000540

I, Susan Crowley Owner Name & Title

Tronox LLC Company

560 W. Lake Mead Drive Address where owner/agent can receive mail

Henderson, NV 89015

702-592-7727 Telephone Number

DCNR/DWR
RECEIVED
NOV 02 2010
LAS VEGAS OFFICE

of the real property located at:

Street Address (if any) Warm Spring Road, Henderson, Nevada 89015 (MC-MW-36; -37; -38)

County Assessor Parcel Number (APN) 178-01-415-001

Situated within the NW ¼ NW ¼ Section 12 T 22 S R 62 E, M.D.B. & M.

{ Latitude (N): _____ / Longitude (W): _____ } or { UTM (m) E: 825847 / UTM (m) N: 26722559 } Datum NAD83/WGS84

and whereupon one or more monitoring wells are located or to be located, fully understand that I shall be responsible for, and shall cause the existing wells to be plugged and abandoned in accordance with the provisions contained in Nevada Administrative Code (NAC) 534.4365 and all other applicable rules and regulations for drilling/plugging wells in the State of Nevada, **not later than thirty days after the date when monitoring is no longer required.**

I shall further make any purchaser of this parcel aware of these conditions.

Owner: (Printed Name): SUSAN CROWLEY (Signature): Susan Crowley

Subscribed and sworn before me this 2 day of November, 2010

Notary Public in and for the County of Clark

State of Nevada

My commission expires Jan. 5, 2013

PAMELA A. BRISBY
Notary Public, State of Nevada
Appointment No. 09-6681-1
My Appt. Expires Jan 5, 2013

Pamela A. Brisby
Notary Signature

Notary Seal

Revised 07/09

APPENDIX B
Bore Logs
And
Well Construction
Diagrams

AECOM

Borehole/Well Construction Log

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	**Borehole Number:**	**MC-MW-32**
Borehole Location: Next to MC-59	*Northing:* 26721325.15 *Easting:* 826314.47	Sheet *1* of *3*	
Drilling Agency: Cascade Drilling Co.	Driller: R.LaBrosse/T. Nichols		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 11/1/2010	Total Depth (feet): 61.0	
Drilling Method: HSA/Roto-Sonic	Number of Samples: 0	Date Finished: 11/4/2010	Depth to Bedrock (feet):
Drilling Fluid: NA/Water	Borehole Diameter (in):	Depth to Water: *Drilling (FT BGS):*	*Static (FT TOC):*
Completion Information: Completed as a monitoring well. Screened from 48 to 58 feet bgs, #2/16 sand 46.5 to 61 feet bgs, #60 sand 45 to 46.5 feet bgs, bentonite seal 41 to 45 feet bgs, cement bentonite grout to surface.		Elevation (feet MSL) : *Ground:* 1723.46	*Top of Casing:* 1723.25
		Logged By: K.CarrGreen	Checked By: S.Williams PG

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
					1100		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 60% sand (10% coarse rounded sand), 25% fines, 15% fine to medium subangular gravel. Loose, dry.		November 1, 2010 Hand auger first five feet below grade surface . Lithology logged from samples and cuttings. HSA Pilot Boring done with 8-inch auger, split spoon sampling. Overdrill with 15-inch auger.
5					1115					SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 60% sand (10% coarse rounded sand), 25% fines, 15% fine to medium subangular gravel. Loose, dry.		
10			21 31 34	100	1130		0.7			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 60% sand (10% coarse rounded sand), 25% fines, 15% fine to medium subangular gravel. Moderate cementation (very dense), dry.		No Odor
15			21 28 34	100	1136		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 7/3 Pink; 55% sand (35% fine sand), 30% fines (10% clay), 15% fine to medium rounded and subrounded gravel. Strong cementation (very dense), dry.		Cemented layers, medium to coarse white/yellow crystals. November 2, 2010
20			50/6	100	1138		0.0			SP	CRUSHED MINERAL: 10YR 8/1 White; Mineral crushed due to sampling mechanism "Poorly Graded Sand (SP)", 95% fine sand, 5% fines. Strong cementation (very dense), dry.		
										ML	SANDY SILT: 7.5YR 4/6 Strong Brown; 75% fines, 25% sand (20% fine sand). Soft to firm consistency		Top of Transition Zone xMCf
25													

EAFB_Well[SB]\Next to MC-59\Henderson Trust,UMCf Additional Investigation\

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-32
Borehole Location: Next to MC-59		Sheet 2 of 3

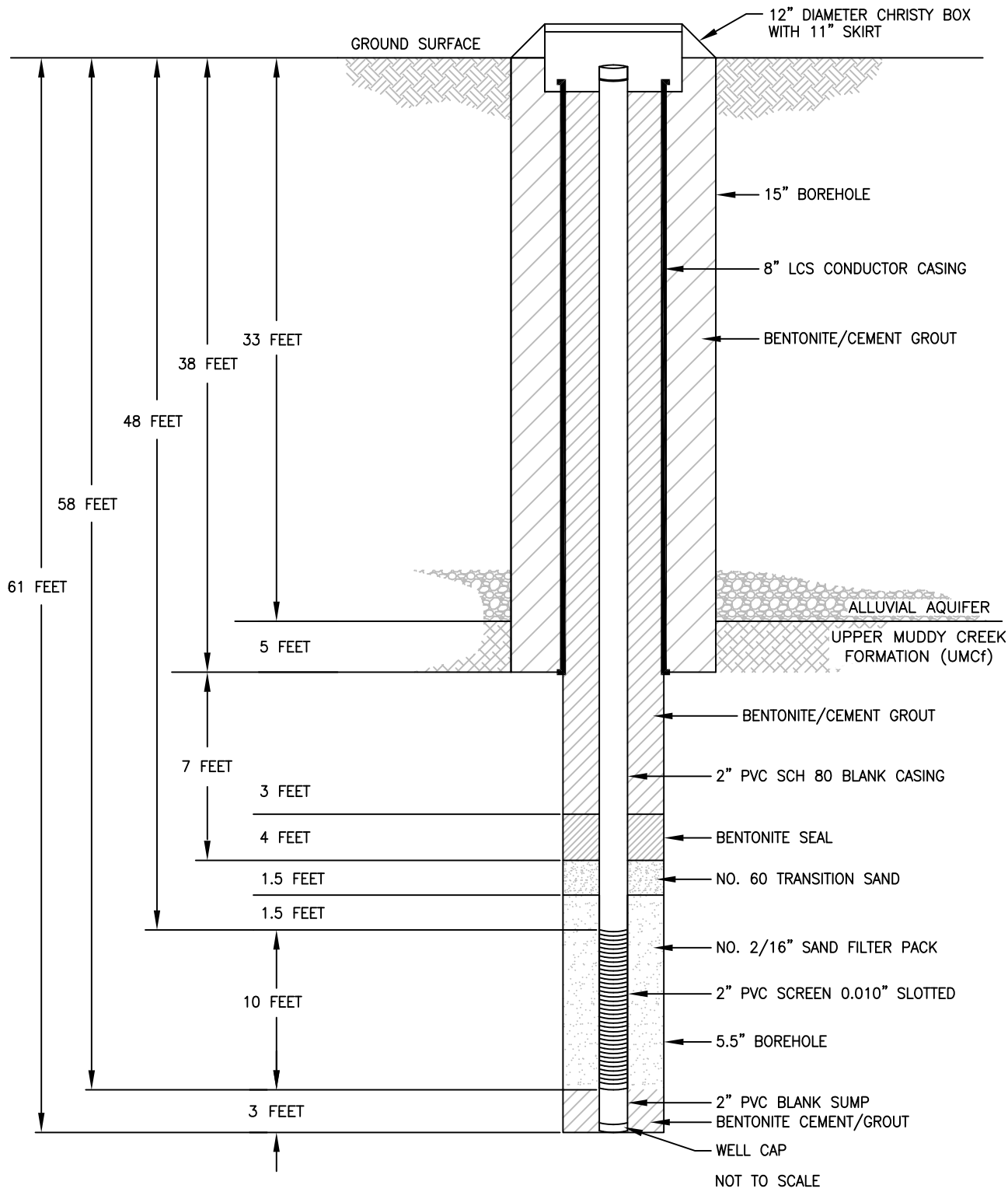
Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			26 50/6	100	1145		5.2				(hard cementation), non-plastic, moist.		
30			14 18 21	100	1151		5.1			ML	SILT: 7.5YR 4/6 Strong Brown; 90% fines (5% clay), 10% fine to medium sand. Firm to hard consistency (hard cementation), non-plastic, rapid dilatancy, moist.		November 2, 2010 No Odor.
			7 17 21	100	1155		1.4						Slight Odor.
			12 14 21	100	1202		1.2			CL	SANDY LEAN CLAY: 7.5YR 4/6 Strong Brown; 75% fines (35% clay), 25% fine sand. Firm to hard consistency (hard cementation), medium plasticity, moist.		Upper Muddy Creek Formation
35			12 14 21	100	1215		3			CL	LEAN CLAY WITH SAND: 7.5YR 4/6 Strong brown; 80% fines (43% clay), 20% fine sand. Hard consistency (hard cementation), medium plasticity, moist.		
			10 17 24	100	1233		5.7			CL	LEAN CLAY WITH SAND: 7.5YR 6/4 Light Brown; 80% fines (43% clay), 20% fine to medium sand. Firm consistency (hard cementation), medium plasticity, moist. Caliche present.		Slight Odor.
			10 17 24	100	1235		5.2			CL	LEAN CLAY: mixed colors, 7.5YR 6/4 Light Brown and 7.5YR 5/4 Brown; 90% fines, 10% fine sand. Firm consistency (hard cementation), medium plasticity, moist. Few Caliche.		Eight-inch conductor set at 38 feet bgs.
40				100	1000		0.0			CL	LEAN CLAY: mixed colors, 7.5YR 6/4 Light Brown and 7.5YR 5/4 Brown; 90% fines, 10% fine sand. Firm consistency , medium plasticity, moist. Few Caliche.		November 4, 2010. Begin Roto-Sonic drilling, 5-inch core.
													39 to 44 feet: Slough from conductor installation.
45					1010		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (35% clay), 10% fine sand, trace gravel. Hard consistency (very stiff cementation), moist. Few Caliche.		Caliche ends at 46 feet bgs
50				100	1020		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (40% clay), 10% fine sand. Hard, no dilatancy, medium plasticity, moist.		

AECOM

Borehole/Well Construction Log
(Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-32
Borehole Location: Next to MC-59		Sheet 3 of 3

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
55					1030		0.0			CL	LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (35% clay), 15% fine sand. Firm, no dilatancy, medium plasticity, moist.		
				100	1040		0.0			CL	LEAN CLAY WITH SAND: Same As Above.		
60											Borehole Terminated by Field Geologist. Total Depth = 61.0 feet		



UMCf Well Construction Diagram
MC-MW-32

Date: 01-11		Figure
Project No.	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.0111\MONT.HEND.WELL INSTALLATION DETAIL.MW-32.0111.DWG

AECOM

Borehole/Well Construction Log

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	**Borehole Number:**	**MC-MW-33**
Borehole Location: Near Wells O, MC-MW-122, MC-MW-121 *Northing:* 26721551.55 *Easting:* 825490.07		Sheet *1* of *4*	
Drilling Agency: Cascade Drilling Co.	Driller: R.LaBrosse/T. Nichols		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 11/4/2010	Total Depth (feet): 85.0	
Drilling Method: HSA/Roto-Sonic	Number of Samples: 0	Date Finished: 11/6/2010	Depth to Bedrock (feet):
Drilling Fluid: NA/Water	Borehole Diameter (in):	Depth to Water: *Drilling (FT BGS):* 39.0 *Static (FT TOC):*	
Completion Information: Completed as a monitoring well. Screened from 70 to 80 feet bgs, #2/16 sand 68.5 to 83 feet bgs, #60 sand 67 to 68.5 feet bgs, bentonite seal 63 to 67 feet bgs, cement bentonite grout to surface.		Elevation (feet MSL) : *Ground:* 1721.57 *Top of Casing:* 1721.20	
		Logged By: K.CarrGreen	Checked By: S.Williams PG

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analyses: FID (ppm) Sample/Background	Field Analyses: PID (ppm) Sample/Background	Field Analyses: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
					1450		0.0			SM	SILTY SAND: 7.5YR 7/3 Pink; 45% sand (20% fine sand, 10% medium sand, 10% coarse sand), 30% fine to coarse subangular gravels, 25% fines (non-plastic). Strong cementation, dry.		November 4, 2010. Hand auger first five feet below grade surface. Lithology logged from samples and cuttings. HSA Pilot Boring done with 8-inch auger, split spoon sampling. Overdrill with 15-inch auger.
5					1500		0.0			SM	SILTY SAND: 7.5YR 7/3 Pink; 45% sand (20% fine sand, 10% medium sand, 10% coarse sand), 30% fine to coarse subangular gravels, 25% fines (non-plastic). Strong cementation, dry.		
10			33 50/6	70	1510		0.0			SM	SILTY SAND: 7.5YR 7/3 Pink; 45% sand (30% fine sand, 10% medium sand, 5% coarse sand), 30% fine to coarse subangular gravels, 25% fines (non-plastic). Strong cementation (very dense), dry.		No Odor
15			50/6	100	1520		0.0			SM	SILTY SAND: 7.5YR 7/3 Pink; 55% sand (30% fine sand, 20% medium sand, 5% coarse sand), 20% fine to medium rounded black gravels, 25% fines (non-plastic). Strong cementation (very dense), dry.		
20			28 38 35	100	1530		0.0			SM	SILTY SAND: 7.5YR 7/3 Pink; 55% sand (40% fine sand, 10% medium sand, 5% coarse sand), 30% fine to medium gravels, 15% fines (non-plastic). Strong cementation (very dense), dry.		Cemented sands on gravels. No Odor.
25													

EAFB_Well[SB]\Near Wells O, MC-MW-122, MC-MW-121\Henderson Trust,UMCf Additional Investigation\

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-33
Borehole Location: Near Wells O, MC-MW-122, MC-MW-121		Sheet 2 of 4

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			34 50/6	70	1535		0.0			SM	SILTY SAND: 7.5YR 6/4 Light Brown; 60% sand, 25% subrounded gravels, 15% fines (non-plastic). Strong cementation (very dense), moist.		Black sub-rounded gravel with cemented white angular sand.
30			50/6	70	1550		0.0			SM	SILTY SAND: Same As Above.		November 4, 2010.
35			50/6	60	1555		0.0			SM	SILTY SAND: 7.5YR 6/4 Light Brown; 65% sand (40% fine sand, 15% medium sand, 10% coarse sand), 20% gravels (10% coarse), 15% fines (non-plastic). Strong cementation (very dense), moist.		
40			50/6	100	1605		1.0			SW-SM GW-GM	WELL-GRADED SAND WITH SILT AND GRAVEL: 7.5YR 6/4 Light Brown matrix; 60% sand (10% fine sand), 30% fine angular gravel, 10% fines. Weak cementation (very dense), wet. WELL-GRADED GRAVEL WITH SILT AND SAND: 55% fine to medium angular gravel, 40% angular sand (15% fine sand), 10% fines. Wet.		white, red, black crushed gravels.
45			50/6	100	1619		1.5			SC GC	CLAYEY SAND: 5YR 5/4 Reddish brown; 45% fine to coarse angular sand, 30% plastic fines, 20% fine angular gravels. Moderate cementation (hard), wet.		Slight Chemical Odor.
			50/6	100	1628		1.0			SC	CLAYEY GRAVEL: 5YR 5/4 Reddish brown; 45% fine to medium angular gravel, 30% sand, 25% plastic fines. Wet.		Moderate Chemical Odor.
			50/6	100	1641		1.0			SC	CLAYEY SAND: 5YR 5/4 Reddish brown; 50% angular sand, 25% fine to medium gravel, 25% plastic fine. Wet.		
50			50/6	100	1649		1.0			SW-SM SM	CLAYEY SAND: Same As Above, except interbedded with 2-inch thick GC.		
			15 21 29	100	1655		2.0			SW-SC	WELL-GRADED SAND WITH SILT AND GRAVEL: 5YR 5/4 Reddish brown; 70% sand, 20% fine to medium angular gravel, 10% fines. Strong cementation (very dense), wet.		
			15 21 24	100	1715		2.0			ML CL	SILTY SAND: 2.5Y 4/3 Olive brown; 70% sand (10%		Top of Transition Zone xMCf Slight Chemical Odor.

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-33
Borehole Location: Near Wells O, MC-MW-122, MC-MW-121		Sheet 3 of 4

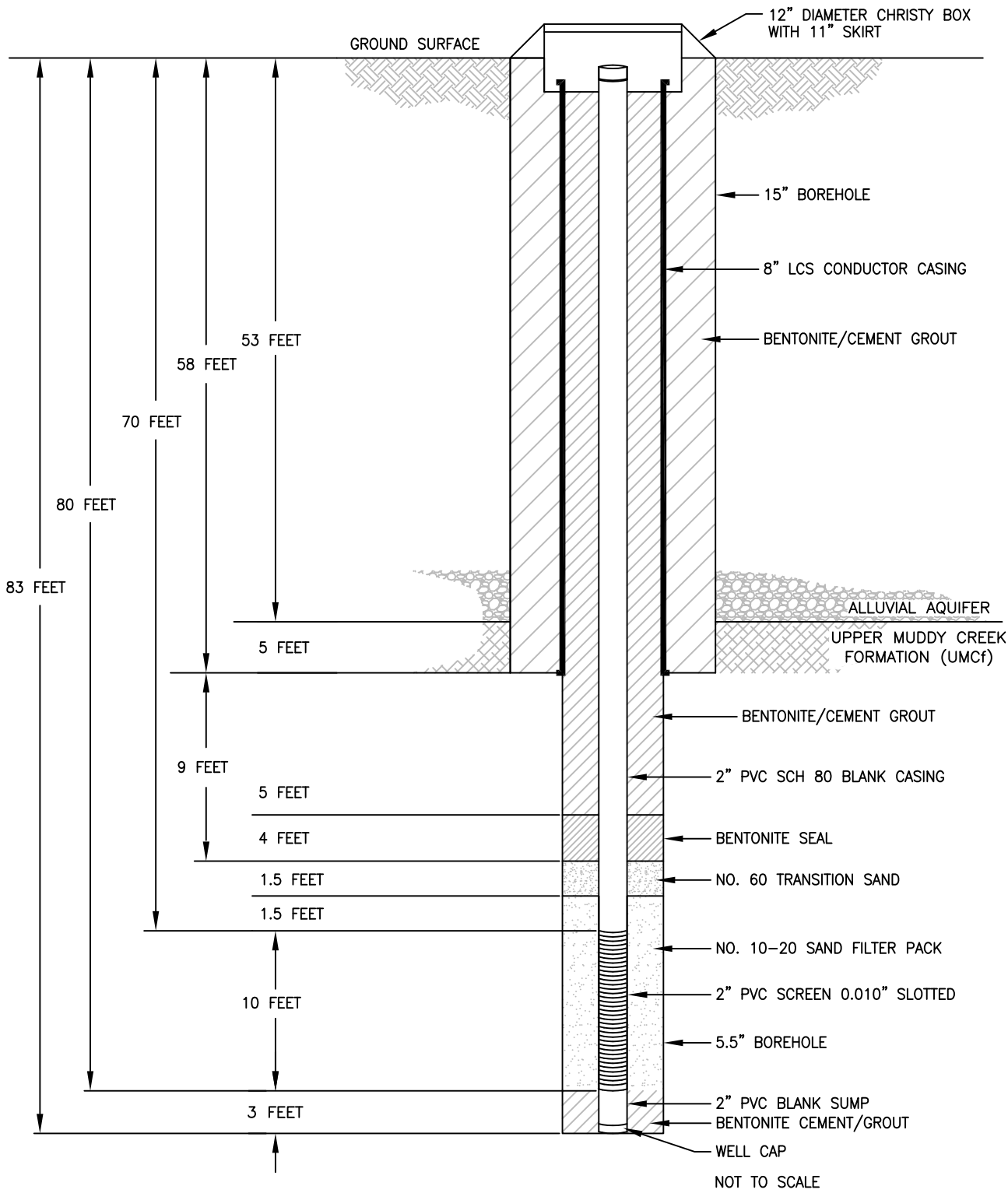
Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
											coarse), 20% fines, 10% gravel. Wet.		Upper Muddy Creek formation.
55											WELL-GRADED SAND WITH CLAY AND GRAVEL: 60% angular sand, 30% fine to medium subangular gravel (trace coarse gravel), 10% plastic fines. Wet.		November 5, 2010.
			50/6	100	725		0.0			CL	CALICHE: 5YR 5/4 Reddish brown matrix, 5YR 8/2 Pinkish White caliche; 3-inch layer of Caliche with Silt (ML). Moist.		
				0	1109						LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (35% clay), 15% fine sand. Hard, medium plasticity, moist.		8-inch conductor set at 58 feet bgs.
60											LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (40% clay), 10% fine sand. Hard, medium plasticity, dry.		November 6, 2010. Begin Roto-Sonic drilling, 5-inch core.
											NO RECOVERY		
65													November 6, 2010
70				60	1147		0.0			CH	FAT CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (45% clay), 15% fine sand. Firm, high plasticity, moist. Few Caliche.		No Odor.
				100	1148		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 95% fine (35% clay), 5% fine sand. Hard, medium plasticity, slow dilatancy, moist. Few Caliche.		
										CL	LEAN CLAY: 7.5YR 6/3 Light brown matrix, 7.5YR 8/2 Pinkish white Caliche; 90% fines (35% clay), 10% fine sand. Many Caliche nodules coated with CL. Hard (brittle), low to medium plasticity, moist.		
75				100	1155		0.0			CL	LEAN CLAY: Mixed matrices colors, 7.5YR 7/2 Pinkish gray, 5YR 6/3 Light reddish brown; 85% fines (35% clay), 15% fine sand. Hard, medium plasticity, moist. Interbedded with layers of white Caliche.		No Odor.
				100	1204		0.0						Greenish yellow coarse masses in the Caliche.
80				100	1230		0.0			CL	LEAN CLAY: 5YR 6/3 Light reddish brown; 80% fines (40% clay), 15% fine sand, 5% fine to medium rounded to angular black gravels. Hard, medium plasticity, no dilatancy, moist		Common fine to medium black masses. No Odor.

AECOM

Borehole/Well Construction Log
(Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-33
Borehole Location: Near Wells O, MC-MW-122, MC-MW-121		Sheet 4 of 4

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
85											Borehole Terminated by Field Geologist. Total Depth = 85.0 feet		



UMCf Well Construction Diagram
MC-MW-33

Date: 01-11		Figure
Project No.	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.0111\MONT.HEND.WELL INSTALLATION DETAIL.MW-33.0111.DWG

AECOM

Borehole/Well Construction Log

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	**Borehole Number:**	**MC-MW-34**
Borehole Location: W of MC-119, E of Well J	*Northing:* 26721979.1	*Easting:* 824867.2	Sheet *1* of *3*
Drilling Agency: WDC	Driller: J.Cothron/C.Rockhill		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 8/24/2011	Total Depth (feet):	59.0
Drilling Method: HSA/Roto-sonic	Number of Samples: 0	Date Finished: 8/25/2011	Depth to Bedrock (feet): NE
Drilling Fluid: NA	Borehole Diameter (in): 18	Depth to Water: *Drilling (FT BGS):* 28.0	*Static (FT TOC):* 26.40
Completion Information: Completed as a montioring well. Screened from 46 to 56 feet bgs,bentonite 56 to 59 feet bgs, #2/16 sand 44.5 to 46 feet bgs, #60 sand 43 to 44.5 feet bgs, bentonite seal 39 to 43 feet bgs, bentonite grout to surface.	Elevation (feet MSL) : *Ground:* 1715.59	*Top of Casing:* 1715.90	
	Logged By: K.CarrGreen	Checked By: S. Williams	

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analyses: FID (ppm) Sample/Background	Field Analyses: PID (ppm) Sample/Background	Field Analyses: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			--	100	1100	--	--			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 60% sand (40% fine, 10% medium, 10% coarse), 25% fine to medium subangular gravel, 15% fines (nonplastic). Strong cementation, dry, strong reaction to HCL. No odor.		August 24, 2011 Hand augered first five feet bgs. Lithology logged from samples and cuttings. HSA pilot boring advanced with 8-inch auger, and bore with 18-inch auger.
5			--	100	1112	--	--			SM	SILTY SAND WITH GRAVEL: Same As Above.		A couple of subrounded boulders encountered.
10			15 35 17	100	1126	--	0.2			SM	SILTY SAND WITH GRAVEL: Same As Above.		
15			20 20 34	100	1138	--	0.9			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/3 Light Brown; 50% sand (30% fine, 10% medium, 10% coarse), 30% fine to medium black subangular gravel, 15% fines (nonplastic). Strong cementation, dry, weak reaction to HCL. No odor.		
20			16 18 28	100	1149	--	0.3			SM	SILTY SAND WITH GRAVEL: 7.5YR 5/4 Brown; 45% sand (15% fine, 15% medium, 15% coarse), 30% fine to medium black subangular gravel, 25% fines (nonplastic). Moderate cementation, dry, strong reaction to HCL. No odor.		
25													

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	Borehole Number: MC-MW-34
Borehole Location: W of MC-119, E of Well J		Sheet 2 of 3

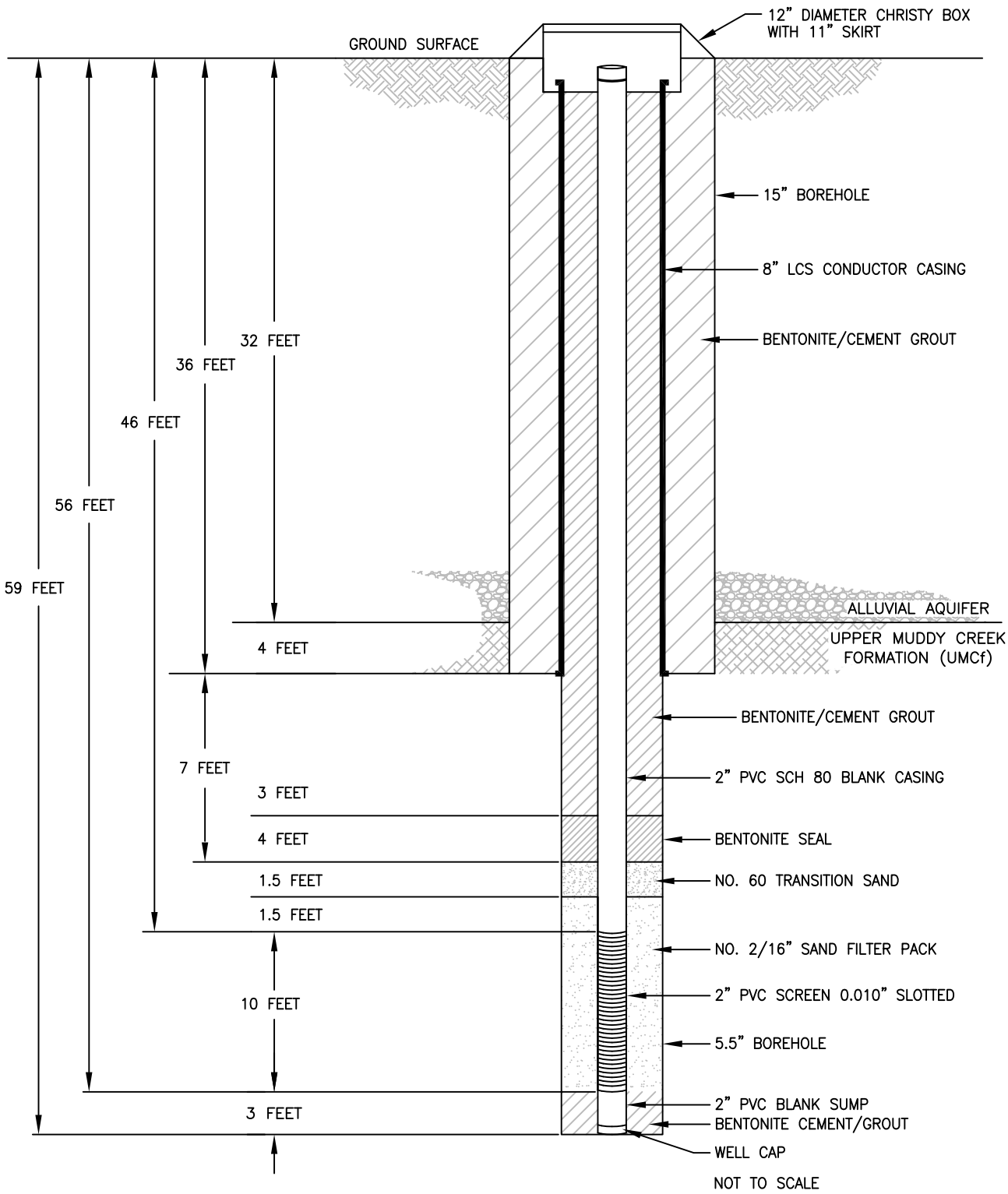
Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analysis: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			34 30 25	100	1200	--	0.0			SW -SM	WELL GRADED SAND WITH SILT AND GRAVEL: 7.5YR 5/3 Brown; 55% sand (15% fine,20%medium, 20% coarse), 35% fine to medium subangular black gravel, 10% fines (nonplastic). Weak cementation, moist, weak reaction to HCL. No odor.		August 24, 2011 Faint chemical odor while drilling.
			43 34 32	100	1236	--	0.3			SP GW	POORLY GRADED SAND WITH GRAVEL: 10YR 4/3 Brown; 80% sand (60% subangular coarse), 15% fine subangular black gravel, 5% fines (trace). Strong cementation, wet, strong reaction to HCL. Slight chemical odor.		Interbedded with cemented sand layers.
30			7 23 19	100	1245	--	5			SM			Percent fines increase with depth.
			10 4 3 2 5	100	1254	--	6			ML CL -ML	WELL GRADED GRAVEL WITH SAND: 10YR 4/3 Brown (matrix). 70% fine to medium subangular black gravel, 25% sand, 5% fines (trace). Weak cementation, wet. Moderate chemical odor.		Top of Transition Zone xMCf Upper Muddy Creek Formation Interbedded with 1-inch thick caliche layers
35											SILTY SAND WITH GRAVEL: 10YR 4/3 Brown; 55% sand (10% fine, 20% medium, 25% coarse), 30% fine to medium black subangular gravel, 15% fines (nonplastic). Weak cementation, wet. No odor.		
			--	100	1515	--	6.8			CL -ML	SILT WITH SAND: 5YR 5/4 Reddish Brown; 80% fines (10% clay), 20% fine sand. Firm, moist, nonplastic, strong reaction to HCL.		Set 8-inch LCS conductor casing at 36 feet bgs. August 25, 2011. Begin roto-sonic drilling, collect 5-inch core.
											CLAYEY SILT: 5YR 5/4 Reddish Brown; 90% fines (20% clay), 10% fine sand. Firm, medium plasticity, moist, strong reaction to HCL. Slight chemical odor.		
40			--	100	1530	--	82			SM	CLAYEY SILT: 5YR 5/4 Reddish Brown; 90% fines (25% clay), 10% fine sand. Firm, medium plasticity, moist, strong reaction to HCL, slow dilatancy. Slight chemical odor.		Wood debris. Caliche Coarse calcareous masses and nodules
			--	100	1531	--	--			CL ML	SILTY SAND: 5YR 6/3 Light Reddish Brown; 55% fine sand, 45% fines (nonplastic). Strong cementation, moist, strong cementation. Moderate chemical odor.		
45			--	100	1532	--	45.7			CL -ML	LEAN CLAY WITH SAND: 5YR 7/3 Pink; 85% fines (15% clay), 15% fine sand. Hard, moist, medium plasticity, No dilatancy, strong reaction to HCL. Slight chemical odor.		Caliche Percent clay increased with depth
											SILT WITH SAND: 5YR 5/4 Reddish Brown; 80% fines (15% clay), 20% fine sand. Firm, low plasticity, moist. Moderate chemical odor.		
			--	80	1537	--	--				SILTY CLAY WITH SAND: 5YR 5/4 Reddish Brown; 85% fines (25% clay), 15% fine sand. Hard, moist, medium plasticity, strong reaction to HCL. Moderate chemical odor.		
50			--	100	1542	--	75.3			CL	SILTY LEAN CLAY: 5YR 5/4 Reddish Brown; 90% fines (35% clay), 10% fine sand. Hard, moist, medium plasticity. Slight chemical odor.		
			--	100	1551	--	11.2			CH	FAT CLAY: 5YR 5/4 Reddish Brown; 80% fines (45% clay), 10% fine angular black gravel, 10% sand. Hard, dry, high plasticity, no dilatancy. Strong reaction to HCL.		

AECOM

Borehole/Well Construction Log
(Continuation Sheet)

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	Borehole Number: MC-MW-34
Borehole Location: W of MC-119, E of Well J		Sheet 3 of 3

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
55			--	100	1557	--	3.9			CH	FAT CLAY: Same As Above.		August 25, 2011
			--	100	1610	--	5.8			CH	FAT CLAY: 5YR 5/4 Reddish Brown; 90% fines (45% clay), 10% sand.Hard, dry, high plasticity, strong reaction to HCL, no dilatancy. Slight chemical odor.		
											Borehole terminated by Field Geologist. Total Depth = 59.0 feet		



UMCf Well Construction Diagram
MC-MW-34

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.1011\MONT.HEND.WELL INSTALLATION DETAIL.MW-34.1011.DWG

AECOM

Borehole/Well Construction Log

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	**Borehole Number:**	**MC-MW-35**
Borehole Location: W of MC-116, E of Well A	*Northing:* 26722328.7	*Easting:* 824348.2	Sheet *1* of *3*
Drilling Agency: WDC	Driller: J.Cothron/C.Rockhill		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 8/23/2011	Total Depth (feet):	67.0
Drilling Method: HSA/Roto-sonic	Number of Samples: 0	Date Finished: 8/25/2011	Depth to Bedrock (feet): NE
Drilling Fluid: NA	Borehole Diameter (in): 18	Depth to Water: *Drilling (FT BGS):* 19.0	*Static (FT TOC):* 19.60
Completion Information: Completed as a montioring well. Screened from 54 to 64 feet bgs,bentonite 64 to 67 feet bgs, #2/16 sand 52.5 to 64 feet bgs, #60 sand 51 to 52.5 feet bgs, bentonite seal 47 to 51 feet bgs, bentonite grout to surface.		Elevation (feet MSL) : *Ground:* 1712.55	*Top of Casing:* 1712.66
		Logged By: K.CarrGreen	Checked By: S. Williams

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analyses: FID (ppm) Sample/Background	Field Analyses: PID (ppm) Sample/Background	Field Analyses: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			--	100	0830	--	--			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 50% sand (30% fine, 10% medium, 10% coarse), 30% fines (nonplastic), 20% fine to coarse black subangular gravel. Strong cementation, dry, strong reaction to HCL. No odor.		August 23, 2011 Hand augered first five feet bgs. Lithology logged from samples and cuttings. HSA pilot boring advanced with 8-inch auger, and bore with 18-inch auger.
5			--	100	0853	--	--			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 50% sand (30% fine, 10% medium, 10% coarse), 25% fines (nonplastic), 25% fine to coarse black subangular gravel. Strong cementation, dry, strong reaction to HCL. No odor.		A couple of subrounded boulders encountered.
10			14 13 12	100	0905	--	0.9			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 55% sand (30% fine, 15% medium, 10% coarse), 15% fines (nonplastic), 30% fine to coarse black subangular gravel. Strong cementation, dry, strong reaction to HCL. No odor.		
15			16 15 18	100	0915	--	0.5			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 55% sand (30% fine, 15% medium, 10% coarse), 20% fines (nonplastic), 25% fine to coarse black subangular gravel. Strong cementation, dry, strong reaction to HCL. No odor.		
20			6 5 25	100	0924	--	0			GW	WELL GRADED GRAVEL WITH SAND: Red, black, white gravel; 55% fine to coarse black subangular gravel, 40% sand (15% fine, 10% medium, 20% coarse), 5% fines. Moderate cementation, wet, strong reaction to cementation. No odor.		
25													

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	Borehole Number: MC-MW-35
Borehole Location: W of MC-116, E of Well A		Sheet 2 of 3

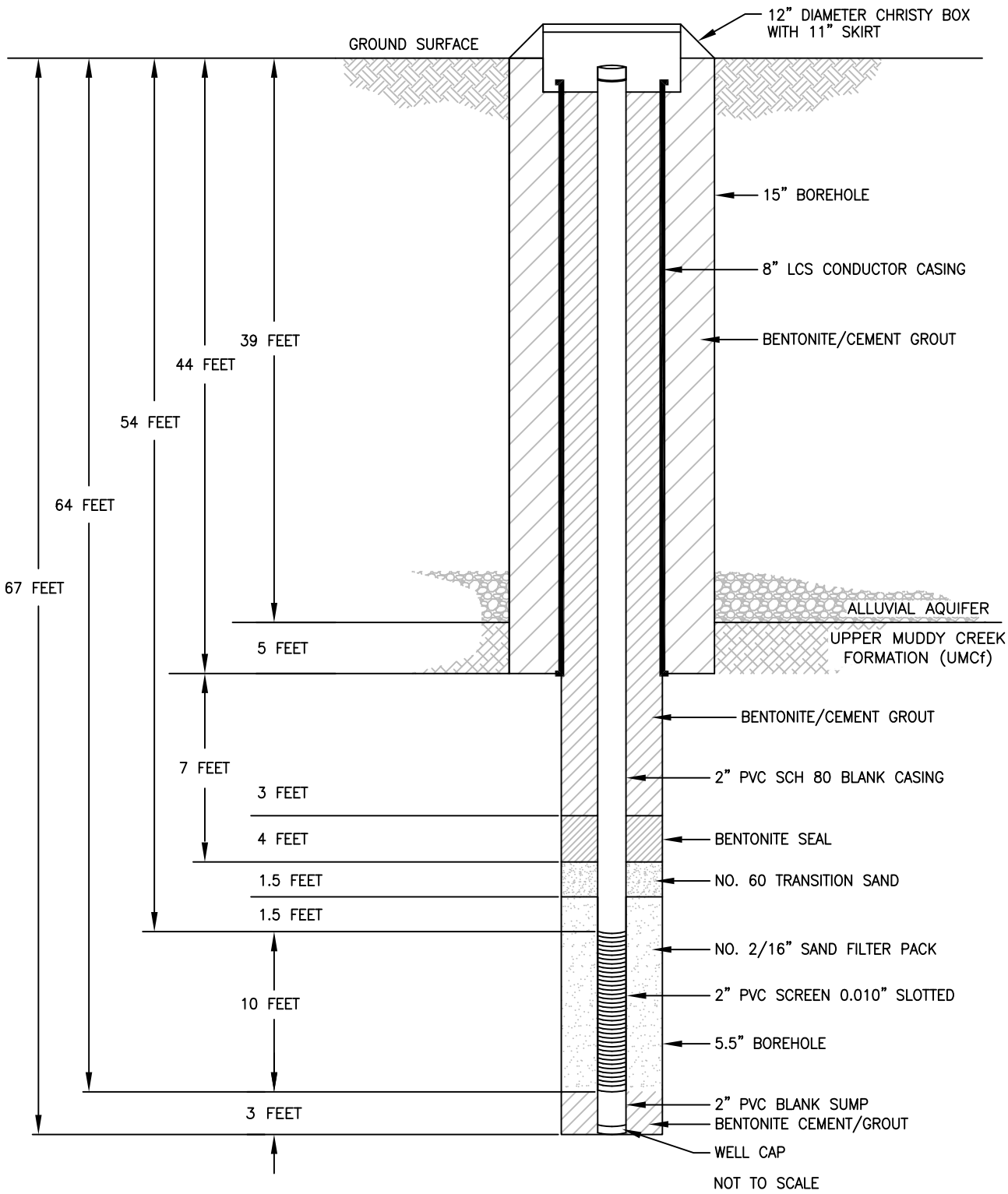
Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			34 5 17	100	0932	--	0			GW	WELL GRADED GRAVEL WITH SAND: Red, black, white gravel; 65% fine to coarse black subangular gravel, 35% sand (15% fine, 10% medium, 20% coarse), 5% fines. Moderate cementation, wet, strong reaction to cementation. No odor.		August 23, 2011
30			54 4	100	1001	--	0			GP	POORLY GRADED GRAVEL WITH SAND:Red, black, white gravel; 80% fine to coarse black subangular gravel, 15% sand (most sand is cemented), 5% fines. Strong cementation, wet, strong reaction to cementation. No odor.		
			28 7 1 1	100	1015	--	0			GM	SILTY GRAVEL WITH SAND: 7.5YR 5/4 Brown (matrix); 65% fine subangular black gravel, 20% sand, 15% fines (nonplastic). Weak cementation, wet, strong reaction to HCL. No odor.		
			1 5 8 10	100	1024	--	3.9			SM			Top of Transition Zone xMCf
35										CL -ML	GRAVELLY SILT WITH SAND: 7.5 5/4 Brown; 55% fines (5% clay), 30% fine to coarse subangular black gravel, 15% sand. Firm, moist, strong reaction to HCL. No odor.		
			7 14 39 43	100	1040	--	3.2			ML	SAND WITH SILT: 7.5YR 5/4 Brown; 80% fine sand, 25% fines (nonplastic). Weak cementation, moist, weak reaction to HCL. No odor.		Percent clay increases with depth 1-inch thick fine black gravel layer
			6 12 12 12	100	1055	--	3.6			ML	CLAYEY SILT WITH SAND: 5YR 6/4 Light Reddish Brown; 80% fines (15% clay), 20% fine sand. Firm, moist, medium plasticity, slow dilatancy. No odor.		
40			3 4 5	100	1107	--	3.7			CL -ML	SILT: 5YR 5/4 Reddish Brown; 90% fines (10% clay), 10% fine sand. Firm, moist, nonplastic, strong reaction to HCL, rapid dilatancy. No odor. SILT: Same As Above, except interbedded with gravel cemented with caliche.		Upper Muddy Creek Formation
											SILTY CLAY: 5YR 5/4 Reddish Brown: 90% fines (25% clay), 10% fine sand. Hard, moist, medium plasticity, slow dilatancy, strong reaction to HCL. Slight chemical odor.		Set 8-inch LCS conductor casing at 44 feet bgs. August 25, 2011. Begin roto-sonic drilling, collect 5-inch core.
45			--	100	0840	--	1.6			CL	LEAN CLAY: 5YR 5/4 Reddish Brown; 90% fines (30% clay), 10% fine sand. Firm, moist, medium plasticity, no dilatancy, weak reaction to HCL. No odor.		
			--	100	0847	--	--			CL -ML	SILTY CLAY: 5YR 5/4 Reddish Brown: 95% fines (20% clay), 5% fine sand. Firm, moist, medium plasticity, slow dilatancy, weak reaction to HCL. No odor.		Wood debris
50			--	100	0855	--	8.2			ML	SILT WITH SAND: 5YR 5/4 Reddish Brown; 80% fines (10% clay), 20% sand. Firm, wet, low plasticity, rapid dilatancy. No odor.		
			--	100	0902	--	--			SM ML SM ML	SILTY SAND WITH GRAVEL: 5YR 3/3 Dark Reddish Brown; 60% subangular sand, 20% fine multi-colored subangular gravel, 20% fines (nonplastic). Weak cementation, wet, strong reaction to HCL. No odor.		

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: OSSM, UMCf Additional Investigation	Project Number: 60186206	Borehole Number: MC-MW-35
Borehole Location: W of MC-116, E of Well A		Sheet 3 of 3

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analysis: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
										SM	SILT WITH SAND: Same As Above at 50 feet bgs.		August 25, 2011
55			--	100	0910	--	6.8			CL -ML	SILTY SAND WITH GRAVEL: Sames As Above at 52 feet bgs.		Interbedded with caliche.
										ML	SILT WITH SAND: Same As Above at 50 feet bgs.		
										GC	SILTY SAND WITH GRAVEL: Sames As Above at 52 feet bgs.		
			--	100	0918	--	--			CH	SILT WITH SAND: Same As Above at 50 feet bgs.		Interbedded with 1 to 2-inch thick layers of cemented caliche.
											SILTY CLAY: 5YR 6/4 Light Reddish Brown; 90% fines (25% clay), 5% fine sand, 5% fine black angular gravel. Hard, wet, medium plasticity, slow dilatancy, strong reaction HCL.		
60			--	100	0926	--	--			CL -ML	BLACK ANGULAR GRAVEL CEMENTED IN CALICHE.		
										CH	FAT CLAY: 5YR 6/5 Light Reddish Brown; 90% fines (45% clay), 5% fine sand. Hard, high plasticity, moist, strong reaction to HCL. No odor.		
			--	100	0934	--	8.8			CL -ML CH	SILTY CLAY: Same As Above at 55 feet bgs.		
											FAT CLAY: 5YR 6/5 Light Reddish Brown; 90% fines (45% clay), 5% fine sand. Hard, high plasticity, moist, strong reaction to HCL. No odor.		
65			--	100	0945	--	0			CL -ML	CLAYEY SILT: 5YR 6/4 Light Reddish Brown; 90% fines (20% clay), 10% fine sand. Firm, moist, low plasticity. No odor.		
											FAT CLAY: 5YR 6/5 Light Reddish Brown; 90% fines (45% clay), 5% fine sand. Hard, high plasticity, moist, strong reaction to HCL. No odor.		
											CLAYEY SILT: 5YR 6/4 Light Reddish Brown; 90% fines (20% clay), 10% fine sand. Firm, moist, low plasticity. No odor.		
											Borehole Terminated by Field Geologist Total Depth = 67.0 feet		



UMCf Well Construction Diagram
MC-MW-35

Date: 10-11	Henderson Site Trust	Figure
Project No. 60186206	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.1011\MONT.HEND.WELL INSTALLATION DETAIL.MW-35.1011.DWG

AECOM

Borehole/Well Construction Log

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	**Borehole Number:**	**MC-MW-36**
Borehole Location: Next to MC-60	*Northing:* 26722678.55	*Easting:* 825497.46	Sheet *1* of *3*
Drilling Agency: Cascade Drilling Co.	Driller: R.LaBrosse/T. Nichols		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 11/4/2010	Total Depth (feet): 66.0	
Drilling Method: HSA/Roto-Sonic	Number of Samples: 0	Date Finished: 11/5/2010	Depth to Bedrock (feet):
Drilling Fluid: NA/Water	Borehole Diameter (in):	Depth to Water: *Drilling (FT BGS):* 34.0	*Static (FT TOC):*
Completion Information: Completed as a monitoring well. Screened from 53 to 63 feet bgs, #2/16 sand 51.5 to 66 feet bgs, #60 sand 50 to 51.5 feet bgs, bentonite seal 46 to 50 feet bgs, cement bentonite grout to surface.	Elevation (feet MSL) : *Ground:* 1702.66	*Top of Casing:* 1702.38	
	Logged By: K.CarrGreen	Checked By: S.Williams PG	

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
					800		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 7/3 Pink; 50% sand (30% fine sand, 15% medium sand, 5% coarse sand), 20% fine to medium subangular gravel, 30% fines (10% clay). Strong cementation, dry.		November 4, 2010 Hand auger first five feet below grade surface. Lithology logged from samples and cuttings. HSA Pilot Boring done with 8-inch auger, split spoon sampling. Overdrill with 15-inch auger.
5					815		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 7/3 Pink; 50% sand (30% fine sand, 15% medium sand, 5% coarse sand), 20% fine to medium subangular gravel, 30% fines (10% clay). Strong cementation, dry.		
10			36 50/6	60	819		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 7/3 Pink; 50% sand (30% fine sand, 15% medium sand, 5% coarse sand), 20% fine to medium subangular gravel, 30% fines (10% clay). Strong cementation (very dense), dry.		No Odor. Pieces of sand cemented together.
15			50/6	60	825		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 7/3 Pink; 60% sand, 20% fine to medium gravel, 20% fines. Strong cementation (very dense), dry.		No Odor. Pieces of sand cemented together.
20			14 21 27	100	832		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light Brown; 55% sand (30% fine sand), 30% fine to medium subangular gravel, 15% fines. Dry.		
25													

EAFB_Well[SB]\Next to MC-60\Henderson Trust,UMCf Additional Investigation\

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-36
Borehole Location: Next to MC-60		Sheet 2 of 3

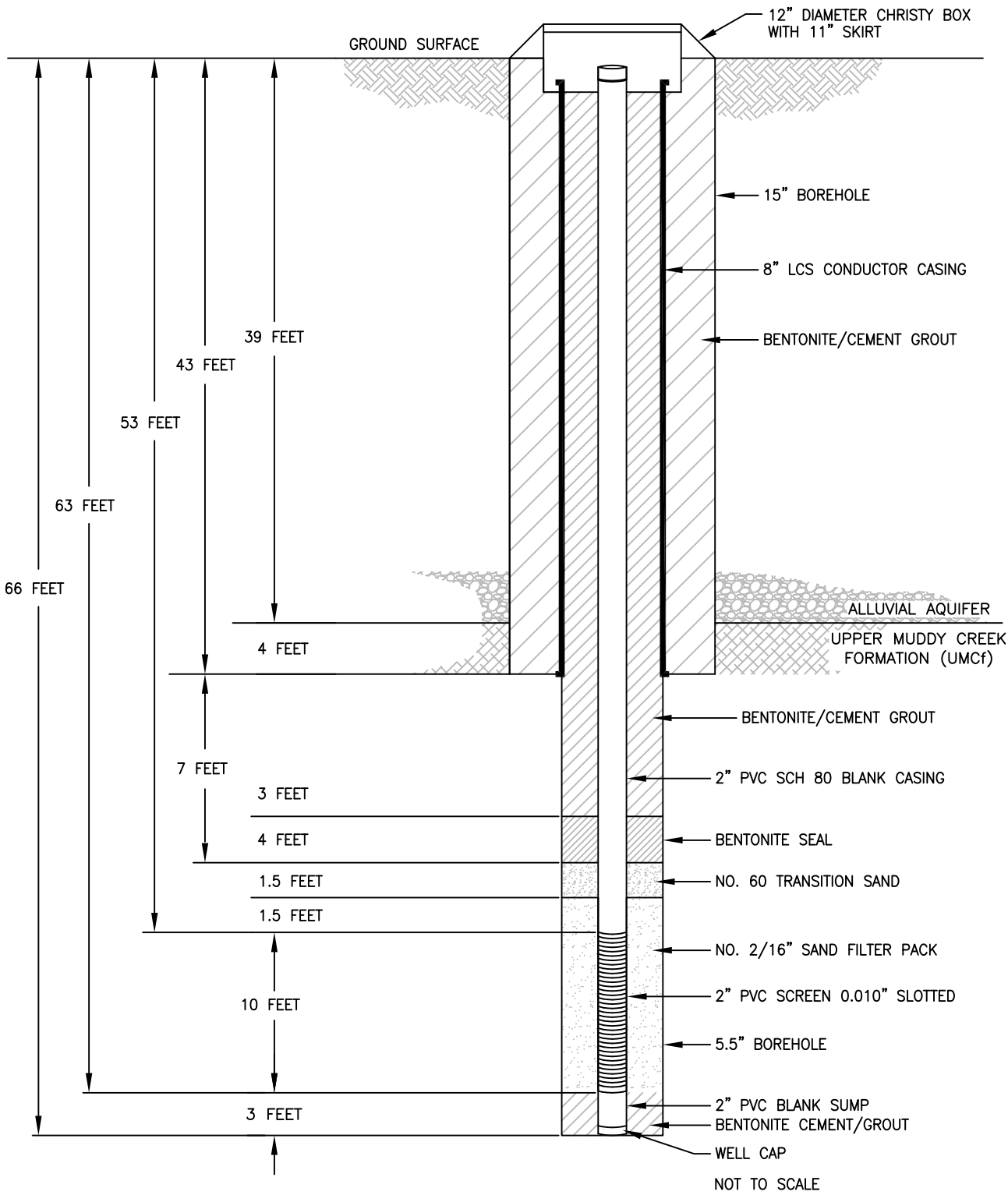
Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			50/6	100	837		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light brown; 60% sand, 25% fine to coarse subangular gravel, 15% fines. Moderate cementation (very dense), dry.		Black and red gravel. sand cemented to gravel. No Odor.
			21 24 45	100	840		0.0			SM	SILTY SAND WITH GRAVEL: Same As Above, except moist.		
			33 50/6	100	846		0.0						
30			50/6	100	850		0.0			SW-SM	WELL GRADED SAND WITH SILT AND GRAVEL: 7.5YR 6/4 Light brown; 60% sand, 30% gravel, 10% fines (non-plastic). Moist.		November 4, 2010 black gravels up to 2-inch in diameter. No Odor.
			24 50/6	100	901		0.0			ML	SILT WITH SAND: 5YR 5/4 Reddish brown; 65% fines (10% clay), 25% sand, 10% fine to medium gravel. Hard, non-plastic, moist.		Top of Transition Zone, xMCf
			50/6	100	905		0.0			ML	SILT WITH SAND: 5YR 5/4 Reddish brown; 70% fines (15% clay), 20% sand, 10% fine to medium gravel. Hard, low plasticity, dry. Caliche.		
35			50/6	80	912		0.0			GC	CLAYEY GRAVEL WITH SAND: 50% fine to medium subangular gravel, 35% plastic fines, 15% sand. Moderate cementation, wet. Caliche.		No Odor.
			39 50/6	80	920		0.0						
			50/6	80	925		0.0			GC	CLAYEY GRAVEL WITH SAND: 50% fine to medium subangular gravel, 30% plastic fines, 20% sand. Moderate cementation, wet. Caliche.		Layers cemented together.
40			50/6	80	930		0.0			CL	LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (42% clay), 15% (10% fine sand and 5% medium sand). Hard, medium plasticity, no dilatancy, moist.		Upper Muddy Creek Formation Encountered. Sand cemented to gravel.
			50/6	100	940		0.0						
45											No Recovery; slough from conductor casing installation.		Set 8-inch LCS conductor casing at 43 feet bgs November 5, 2010. Begin Roto-Sonic drilling, 5-inch core.
				100	1054		0.5			CL-ML	SILTY CLAY: 5YR 5/2 Reddish gray; 75% fines (20% clay), 25% sand. Firm, medium plasticity, wet.		Slight Odor.
					1057		1.4						
				100	1100		0.9						
50										CL-ML	SILTY CLAY: 5YR 5/2 Reddish gray; 70% fines (20% clay), 30% sand. Firm, medium plasticity, wet.		Slight Odor.
				100	1102		0.2						
				100	1104		0.3			CL	LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (30% clay), 15% fine sand. Firm, medium		

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-36
Borehole Location: Next to MC-60		Sheet 3 of 3

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
											plasticity, moist.		
55				100	1105		0.2			CL	LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (35% clay), 15% fine sand. Hard, medium plasticity, moist.		Trace rounded black gravel. Slight Odor.
				100	1106		0.4			CL	LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (40% clay), 15% fine sand. Hard, medium plasticity, moist.		
60				100	1108		1.0			CH	FAT CLAY: 5YR 5/4 Reddish brown; 95% fines (45% clay), 5% fine sand. Very hard, high plasticity, no dilatancy, moist.		Slight Odor.
				100	1110		1.4			CH	FAT CLAY: Same As Above.		
65													November 5, 2010 Slight Odor.
											Borehole terminated by Field Geologist. Total Depth = 66.0 feet		



UMCf Well Construction Diagram
MC-MW-36

Date: 01-11		Figure
Project No.	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.0111\MONT.HEND.WELL INSTALLATION DETAIL.MW-36.0111.DWG

AECOM

Borehole/Well Construction Log

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	**Borehole Number:**	**MC-MW-37**
Borehole Location: Next to MC-59	*Northing:* 26722407.56	*Easting:* 826148.43	Sheet *1* of *3*
Drilling Agency: Cascade Drilling Co.	Driller: R.LaBrosse/T. Nichols		
Drilling Equipment: CME-95/Sonic CS 500	Date Started: 11/2/2010	Total Depth (feet): 66.0	
Drilling Method: HSA/Roto-Sonic	Number of Samples: 0	Date Finished: 11/4/2010	Depth to Bedrock (feet):
Drilling Fluid: NA/Water	Borehole Diameter (in):	Depth to Water: *Drilling (FT BGS):* 34.0	*Static (FT TOC):*
Completion Information: Completed as a monitoring well. Screened from 53 to 63 feet bgs, #2/16 sand 51.5 to 66 feet bgs, #60 sand 50 to 51.5 feet bgs, bentonite seal 46 to 50 feet bgs, cement bentonite grout to surface.	Elevation (feet MSL) : *Ground:* 1704.13	*Top of Casing:* 1703.91	
	Logged By: K.CarrGreen	Checked By: S.Williams PG	

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
					1650		0.0			SM	SILTY SAND: 7.5YR 7/2 Pinkish gray; 65% sand, 20% fine to medium gravel, 15% fines. Weak cementation, dry.		November 2, 2010 Hand auger first five feet below grade surface. Lithology logged from samples and cuttings. HSA Pilot Boring done with 8-inch auger, split spoon sampling. Overdrill with 15-inch auger.
5					1700		0.0			SM	SILTY SAND: 7.5YR 7/2 Pinkish gray; 65% sand, 20% fine to medium gravel, 15% fines. Weak cementation, dry.		No Odor.
10			50/6	70	1708		0.0			SM	SILTY SAND: 7.5YR 7/2 Pinkish gray; 60% sand, 20% fine to coarse gravel, 20% fines. Moderate cementation (very dense), dry.		No Odor.
15			11 20 21	100	1712		0.0			SM	SILTY SAND: 7.5YR 6/3 Light brown; 60% sand (40% fine sand), 20% fine to medium subrounded gravel, 20% fines (5% clay). Weak cementation (very dense), dry.		No Odor.
20			15 23 30	100	1718		0.0			SM	SILTY SAND: 7.5YR 6/3 Light brown; 65% sand (40% fine sand), 10% fine to medium subrounded gravel, 25% fines (5% clay). Weak cementation (very dense), dry.		No Odor.
25													

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-37
Borehole Location: Next to MC-59		Sheet 2 of 3

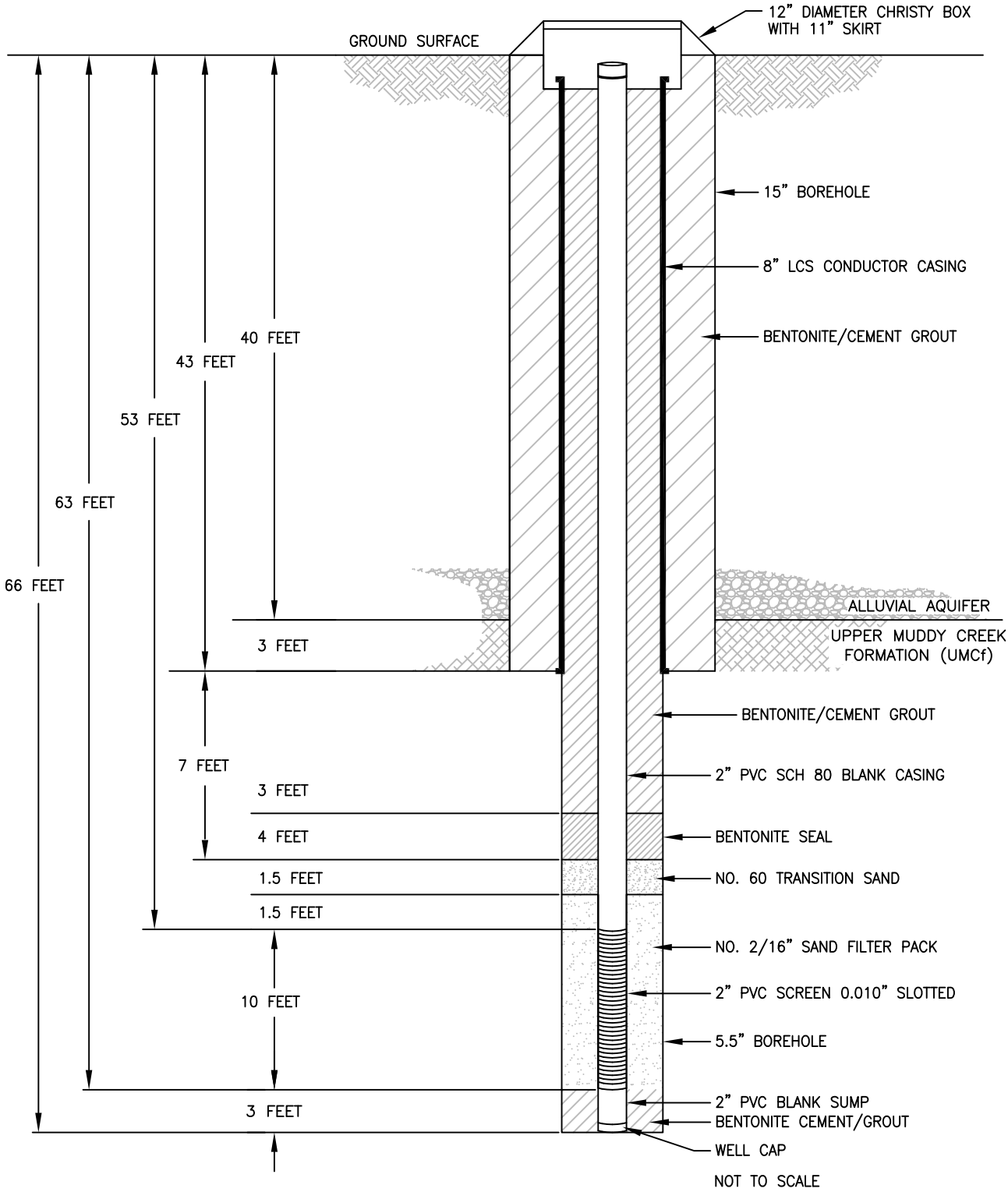
Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analysis: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			22 26 36	100	1724		0.0			SM	SILTY SAND: 7.5YR 5/6 Strong brown; 60% sand (30% fine sand, 20% medium sand, 10% coarse sand), 25% fine to coarse subrounded gravel, 15% fines. Moderate cementation (very dense), moist.		No Odor.
30			22 24 26	100	1730		0.0			SM	SILTY SAND : 10YR 4/4 Dark yellowish brown; 55% sand (30% fine sand,15% medium sand, 10% coarse), 25% subangular gravel, 20% fines . Moderate cementation (very dense), moist.		November 2, 2010 Many crushed angular purple rock.
			36 50/6	100	0750		0.0			SW-SM	WELL-GRADED SAND WITH SILT AND GRAVEL: 10YR 5/4 Yellowish brown; 65% sand, 25% subangular gravel, 10% fines. Moderate cementation (very dense), dry.		
			26 50/6	100	757		0.0						November 3, 2010.
35			17 21 36	100	806		0.0			SW	WELL-GRADED SAND: 10YR 5/4 Yellowish brown; 65% sand, 30% subangular gravel, 5% fines. Weak cementation (very dense), wet.		
			11 21 28	100	815		0.0			SC SW SM	CLAYEY SAND: 10YR 5/4 Yellowish brown; 55% sand, 25% gravel, 20% plastic fines. Weak cementation (very dense), wet.		No Odor.
			26 50/6	100	820		0.0			SW	WELL-GRADED SAND: SAME AS AT 34.5 Feet bgs.		
40			14 21 38	80	856		0.0			SM CL	SILTY SAND: 10YR 5/4 Yellowish brown; 70% sand (40% fine sand), 20% fines, 10% fine gravels. Weak cementation (very dense), wet.		Bottom of the QAL
			26 50/6	80	900		0.0				WELL-GRADED SAND: Same As Above. SILTY SAND: Same As Above.		No Odor. Upper Muddy Creek Formation encountered.
											LEAN CLAY: 2.5Y 4/3 Olive brown; 90% fines (40% clay), 10% fine sand. Hard, no dilatancy, medium plasticity, moist. Caliche.		Set 8-inch LCS conductor casing at 43 feet bgs November 4, 2010. Begin Roto-Sonic drilling, 5-inch core. No Odor.
45				100	1420		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (45% clay), 10% fine sand, trace black angular gravel. Hard, no dilatancy, medium plasticity, moist.		
50				100	1421		0.0			CL CL-ML ML	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (40% clay), 10% fine sand, trace black angular gravel. Hard, no dilatancy, medium plasticity, moist. SILTY CLAY WITH SAND: 5YR 5/4 Reddish brown; 85% fines (25% clay), 15% fine sand. Firm, low plasticity, moist. SILT WITH SAND: 5YR 5/4 Reddish brown; 80%		No Odor.

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-37
Borehole Location: Next to MC-59		Sheet 3 of 3

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
				100	1449		0.0				fines (5% clay), 20% fine sand. Firm, rapid dilatancy, nonplastic, moist.		
55										SC			No Odor.
										CL	CLAYEY SAND: 5YR 5/4 Reddish brown; 45% plastic fines, 45% sand (5% fine sand, 10% medium sand, 30% coarse sand), 10% fine to medium subrounded black gravel.		
										GC			
										CL	LEAN CLAY: 5YR 5/4 Reddish brown; 70% fines (40% clay), 20% sand, 10% fine subrounded gravel. Firm, medium plasticity, moist.		
				100	1452		0.0				CLAYEY GRAVEL: 5YR 5/4 Reddish brown: 40% fine to coarse gravel, 45% plastic fines, 15% sand. Strong cementation (dense), moist to wet.		
60													No Odor. Black and red gravel
				100	1455		0.0				LEAN CLAY: 5YR 5/4 Reddish brown. 90% fines (45% clay), 10% fine angular black sand, trace medium angular gravel. Very Hard, medium plasticity, moist.		
										SC			
										CL	CLAYEY SAND: 5YR 5/3 Reddish brown; 45% sand, 35% plastic fines, 20% fine to medium rounded black gravel. Strong cementation, moist.		
65													November 4, 2010
											LEAN CLAY WITH SAND: 5YR 5/4 Reddish brown; 80% fines (37% clay), 20% fine to medium sand. Hard, medium plasticity, no dilatancy, moist to dry.		No Odor.
											Boring Terminated by Field geologist. Total Depth = 66.0 feet		



UMCf Well Construction Diagram
MC-MW-37

Date: 01-11		Figure
Project No.	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.0111\MONT.HEND.WELL INSTALLATION DETAIL.MW-37.0111.DWG

AECOM

Borehole/Well Construction Log

Project Name: Henderson Trust,UMCf Additional Investigation		Project Number:	**Borehole Number:** **MC-MW-38**
Borehole Location: North side of Warm Springs Road	*Northing:* 26722040.65	*Easting:* 826484.48	Sheet *1* of *3*
Drilling Agency: Cascade Drilling Co.		Driller: R.LaBrosse/T. Nichols	
Drilling Equipment: CME-95/Sonic CS 500		Date Started: 11/3/2010	Total Depth (feet): 61.0
Drilling Method: HSA/Roto-Sonic	Number of Samples: 0	Date Finished: 11/5/2010	Depth to Bedrock (feet):
Drilling Fluid: NA/Water	Borehole Diameter (in):	Depth to Water: *Drilling (FT BGS):*	*Static (FT TOC):*
Completion Information: Completed as a monitoring well. Screened from 48 to 58 feet bgs, #2/16 sand 46.5 to 61 feet bgs, #60 sand 45 to 46.5 feet bgs, bentonite seal 41 to 45 feet bgs, cement bentonite grout to surface.		Elevation (feet MSL) : *Ground:* 1709.46	*Top of Casing:* 1709.41
		Logged By: K.CarrGreen	Checked By: S.Williams PG

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analyses: FID (ppm) Sample/Background	Field Analyses: PID (ppm) Sample/Background	Field Analyses: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
					1350		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 5/4 Brown; 60% sand (40% fine sand), 20% fine to medium subangular gravel, 20% fine (nonplastic). Strong cementation, Dry.		November 3, 2010 Hand auger first five feet below grade surface. Lithology logged from samples and cuttings. HSA Pilot Boring done with 8-inch auger, split spoon sampling. Overdrill with 15-inch auger.
5					1403		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 5/4 Brown; 60% sand (40% fine sand), 20% fine to medium subangular gravel, 20% fine (nonplastic). Strong cementation, Dry.		
10			50/6	80	1408		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 5/4 Brown; 50% sand (30% fine sand), 30% fine to medium subangular gravel, 20% fine (non-plastic). Strong cementation (very dense), dry.		No Odor.
15			50/6	80	1413		0.0			SM	SILTY SAND WITH GRAVEL: Same As Above.		No Odor.
20			50/6	80	1419		0.0			SM	SILTY SAND WITH GRAVEL: 7.5YR 6/4 Light brown; 60% sand (45% fine sand, 10% medium sand, 5% coarse sand), 20% fine to medium subangular gravel, 20% fine (non-plastic). Strong cementation (very dense), dry.		White nodules. No Odor.
25													

AECOM

Borehole/Well Construction Log (Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-38
Borehole Location: North side of Warm Springs Road		Sheet 2 of 3

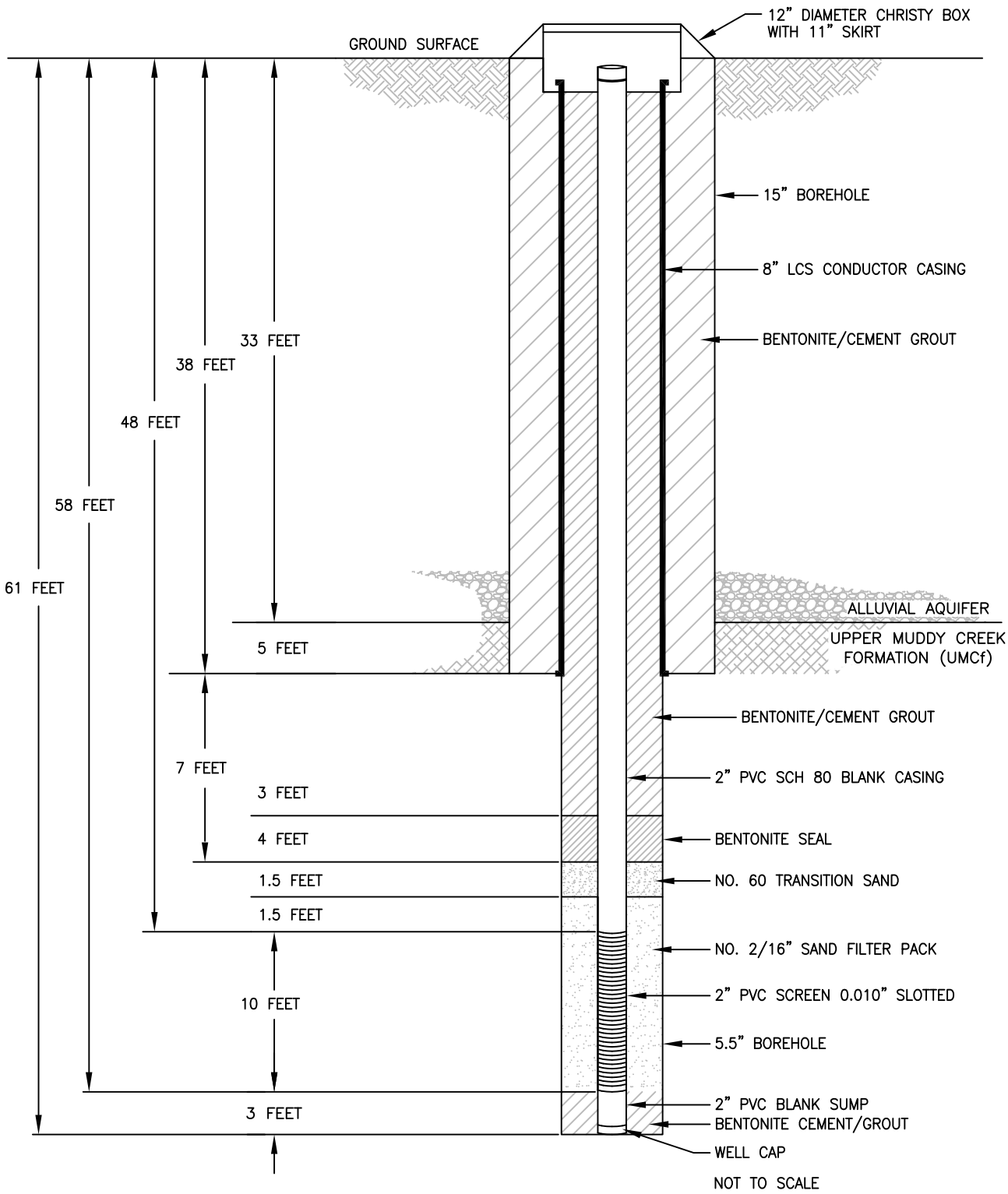
Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
			29 50/6	100	1429		0.0			SM	SILTY SAND: Mixed colors 7.5YR 7/3 Pink and 7.5YR 6/4 Light brown; 65% fine sand, 35% fine. Strong cementation (very dense), dry.		No Odor.
30			27 50/6	100	1440		0.0			ML	SANDY SILT: 5YR 6/4 Light reddish brown; 70% fines, 30% fine sand. Firm, non-palstic, slow dilatancy, moist. Few caliche nodules.		November 3, 2010. Top of Transition Zone xMCf
			15 23 29	100	1447		0.0			ML	SILT WITH SAND : 5YR 6/4 Light reddish brown; 85% fines, 15% fine sand. Firm, slow dilatancy, low plasticity, moist. Few caliche nodules.		No Odor.
			14 28 50	100	1451		0.0			CL	LEAN CLAY: 5YR 6/4 Light reddish brown; 90% fines (35% clay), 10% fine sand. Hard, medium plasticity, moist.		Upper Muddy Creek Formation Contact
35			14 28 50	100	1503		0.0						No Odor.
			14 17 28	100	1505		0.0						
			14 17 28	100	1515		0.0						Set 8-inch LCS conductor casing at 38 feet bgs
40			11 12 18	100	1524		0.0			CL	LEAN CLAY: 5YR 6/4 Light reddish brown; 95% fines (37% clay), 5% fine sand. Firm, medium plasticity, moist.		
				100	800		0.0						November 5, 2010. Begin Roto-Sonic drilling, 5-inch core. No Odor.
				100	805		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (37% clay), 10% fine sand. Firm, medium plasticity, slow dilatancy, moist.		
45													No Odor.
				100	807		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 95% fines (37% clay), 5% fine sand. Hard, medium plasticity, no dilatancy, moist.		
				100	808		0.0						
50										CL	LEAN CLAY: 5YR 5/4 Reddish brown; 95% fines (37% clay), 5% fine sand. Hard, medium plasticity, no dilatancy, moist.		No Odor.
				100	809		0.0						
				100	813		0.0			CL-ML	SILTY CLAY: 5YR 6/4 Light Reddish brown; 90%		

AECOM

Borehole/Well Construction Log
(Continuation Sheet)

Project Name: Henderson Trust,UMCf Additional Investigation	Project Number:	Borehole Number: MC-MW-38
Borehole Location: North side of Warm Springs Road		Sheet 3 of 3

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
55											fines (25% clay), 10% fine sand. Firm, slow dilatancy, medium plasticity, moist.		Fine cemented nodules in soil matrix. No Odor.
				100	815		0.0			CL	LEAN CLAY: 5YR 5/4 Reddish brown; 90% fines (37% clay), 10% fine sand. Hard, medium plasticity, no dilatancy, moist.		
				100	817		0.0			CL	SANDY LEAN CLAY: 5YR 5/4 Reddish brown; 70% fines (35% clay), 30% fine sand . Firm, medium plasticity, moist.		
60										SC	CLAYEY SAND: 5YR 5/4 Reddish brown; 60% fine to medium sand, 40% fines (plastic). Moderate cementation, moist.		No Odor.
										ML	SANDY SILT: 5YR 5/4 Reddish brown; 75% fines (15% clay), 25% fine sand. Firm, non-plastic, rapid dilatancy, moist.		
											Borehole Terminanted by Field Geologist. Total Depth = 61.0 feet		



UMCf Well Construction Diagram
MC-MW-38

Date: 01-11		Figure
Project No.	AECOM	

FILE NAME: Z:\ET\MONTROSE\HENDERSON\WELL DIAGRAMS\2011\WC_DIA.0111\MONT.HEND.WELL INSTALLATION DETAIL.MW-38.0111.DWG

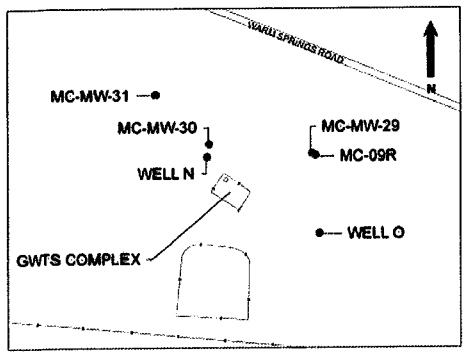
Previously Installed UMCf Wells

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-MW-29

Northing 26721910.085
Easting 825436.285
LS Elev. (ft) 1715.339
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1717.554
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 05/13/2009 - 05/15/2009

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 2 inch
Type of Casing PVC
Slot Size 0.010"
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0				Silty SAND with Gravel, 75% sand, 15% silt, 10% gravel, occasional cobbles, brown (7.5YR, 5/3) with multicolored grains, moderately dense, slightly moist; sand, coarse- and fine-/medium-grained.		Monument Vault (MP ~ 2.22 feet above land surface)
5	0.0/ 0.0			At 19': disseminated caliche.		10" diameter borehole (0 - 51 feet bls)
	0.0/ 0.0					
	4.1/ 1.8					
10	4.8/ 1.3					2" ID Schedule 80 PVC casing (0 - 53.5 feet bls)
	4.3/ 0.7					
	3.7/ 0.4		SM			
15	4.6/ 2.6					6" Steel Conductor Casing (0 - 51 feet bls)
	3.2/ 1.8					
20	7.0/ 2.1					Bentonite Grout (0 - 46 feet bls)
	5.8/ 1.5					
	5.8/ 2.3					
25	4.3/ 1.0					Bentonite Grout (0 - 51 feet bls)
	5.3/ 0.9					
			SM	Silty SAND with Gravel, 70% sand, 20% silt, 10% gravel, brown (7.5YR, 5/3) with multicolored grains, dense, weakly cemented; sand, fine-grained grading to silt.		
30	5.7/ 2.0					
	2.8/ 0.9			Gravelly SAND with Silt, dark brown (7.5YR, 3/2) with multicolored grains, loose, no odor; sand, coarse- and fine-grained.		
	1.7/ 0.7					
35	3.8/ 1.5					
	4.5/ 1.7		SP			
40	4.1/ 1.6					
	3.4/ 1.3					
	2.3/ 0.1					
45						

Figure D-2. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-29.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT

Lithologic and well construction log: MC-MW-29

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
45	1.9/ 0.0					Bentonite Pellets (46 - 49 feet bls)
	15.5/ 23.8		ML-CL	Muddy Creek Formation. CLAYEY SILT/SILTY CLAY, reddish brown (5YR, 5/4), very dense, plastic, caliche nodules, grains.		10 x 20 Sand (49 - 51 feet bls)
50	30.0/ 68.1			At 52'-58': trace sand. At 58'-62': color change to pink (7.5YR, 7/4), due to presence of finely disseminated caliche.		
	4.5/ 2.9					6" diameter borehole (51 - 150 feet bls)
	5.2/ 5.7					
55	3.4/ 4.4					
	3.3/ 3.4					
60	2.5/ 3.3					
	2.5/ 3.2					10x20 Sand Filter Pack (51 - 83.5 feet bls)
	2.2/ 2.9					
65	5.0/ 1.0					
	6.6/ 3.1		ML	CLAYEY SILT with Sand, brown (7.5YR, 5/4), mottled with reddish brown (5YR, 5/3), moderately dense, moderately plastic.		
70	4.0/ 2.3					2" ID 0.010" Slotted PVC Screen (53.5 - 83.5 feet bls)
	19.0/ 15.2		ML	CLAYEY SILT, brown (7.5YR, 5/4), moderately dense, plastic, no odor.		
	22.6/ 24.0		ML	CLAYEY SILT with Sand, brown (7.5YR, 5/4), mottled with reddish brown (5YR, 5/3), moderately dense, moderately plastic.		
75	9.4/ 13.0		ML			
	9.4/ 7.7			CLAYEY SILT, reddish brown (5YR, 5/4), moderately dense with stringers of soft material.		
80	4.6/ 0.3		ML	Sandy CLAYEY SILT, light brown (5YR, 6/4), moderately dense, low/moderate plasticity.		
	3.7/ 2.2					
	2.7/ 0.6		ML	CLAYEY SILT, pinkish white (7.5YR, 8/2), moderately dense/soft, plastic. Stringers with greenish white coloration, the result of finely disseminated caliche.		2" ID PVC Silt Trap (83.5 - 87 feet bls)
85	2.1/ 1.2					
	2.1/ 1.4			At 90'-93': greenish white (not in Munsell Color Chart).		Flush - Threaded End Cap
90	1.4/ 0.8					
	1.6/ 0.0					
	1.3/ 0.0		ML-CL	CLAYEY SILT/SILTY CLAY, reddish brown (5YR, 5/3), very dense, high plasticity.		
95	2.4/ 0.0		ML			
	1.4/ 0.0		ML	CLAYEY SILT, light brown (7.5YR, 6/4), soft, plastic, grains of caliche.		
100	3.2/ 4.1			CLAYEY SILT, greenish white mottled with off-white (colors not found in Munsell Color Chart), soft, plastic, contains pockets of caliche grains.		
	4.5/ 0.0		ML-CL	CLAYEY SILT/SILTY CLAY, reddish brown (5YR, 5/4), dense, plastic, abundant caliche grains, nodules.		
	3.6/ 0.0					
105						

Figure D-2. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-29.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT

Lithologic and well construction log: MC-MW-29

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
105	3.9/ 0.0		ML-CL	CLAYEY SILT/SILTY CLAY, brown (7.5YR, 5/4), moderately dense, plastic, no caliche.		
	5.8/ 0.0		ML	CLAYEY SILT, brown (7.5YR, 5/4), soft, plastic; caliche nodules. At 109': stringers of fine-grained caliche.		
110	6.6/ 0.0					
	5.5/ 0.0					
	0.2/ 0.0			CLAYEY SILT/SILTY CLAY, brown (7.5YR, 5/4), hard, plastic. At 111': disseminated caliche stringer. At 113'-114': caliche layer. At 140': stringer of caliche nodules. At 145': stringer of caliche nodules.		
115	2.2/ 0.6					
	4.4/ 0.0					
120	4.7/ 0.0					
	3.0/ 0.0					
	1.0/ 0.0					
125	1.1/ 0.4					
	1.0/ 0.0					
130	0.8/ 0.2		ML-CL			
	1.1/ 0.1					
	0.8/ 0.0					
135	4.9/ 0.5					
	6.0/ 0.2					
140	4.8/ 0.0					
	5.8/ 0.0					
	5.9/ 0.0					
145	3.1/ 0.2					
	2.0/ 0.1					
150	0.1/ 0.0					Total depth = 150 feet bls
155						

Figure D-2. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-29.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

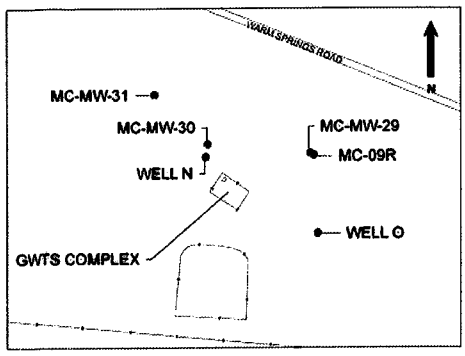
Logged By JCY
Checked By DAT
Page 3 of 3

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-MW-30

Northing 26721948.8
Easting 825000.217
LS Elev. (ft) 1715.637
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1718.227
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 06/02/2009 - 06/05/2009

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 2 inch
Type of Casing PVC
Slot Size 0.010"
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0			SM	Gravelly Silty SAND, occasional cobbles, 70% sand, 15% silt, 15% gravel and cobbles, brown (7.5YR, 5/3) with multicolored grains, loose, slightly moist; sand, coarse-grained grading to silt.		Monument Vault (MP ~ 2.59 feet above land surface)
5	0.1/ 15.0					
	0.1/ 0.0					2" ID Schedule 80 PVC casing (0 - 36.5 feet bls)
	0.6/ 1.5					
10	1.4/ 1.7					6" Steel Conductor Casing
	0.8/ 1.1					
	0.7/ 0.8					
15	0.1/ 1.3					Bentonite Grout (0 - 29 feet bls)
	2.0/ 1.9					
20	1.2/ 1.8					Bentonite Grout (0 - 36 feet bls)
	1.6/ 1.7					
	1.2/ 2.5		SW	Gravelly SAND with Silt, 75% sand, 20% gravel, 10% siltbrown (7.5YR, 5/3) with multicolored grains, loose/firm, no odor; sand, coarse- grading to fine-grained.		10" diameter borehole (0 - 36 feet bls)
25	2.4/ 3.1					
	3.4/ 3.7		SM	Silty Gravelly SAND, cobbles & boulders, 50% sand, 30% gravel, cobbles, and boulders, 20% silt, brown (7.5YR, 4/2) with multicolored grains, hard, cemented; sand, predominantly medium-grained.		
30	1.7/ 3.7		ML			Bentonite Pellets (29 - 32 feet bls)
	24.0/ 27.0		ML-CL	CLAYEY SILT, brown (7.5YR, 4/2), dense, moderate plasticity, chemical odor.		10 x 20 Sand (32 - 34 bls)
	39/ 44.0					
35	135/ 140			Muddy Creek Formation. CLAYEY SILT/SILTY CLAY, brown (7.5YR, 4/2), dense, high plasticity, caliche nodules, chemical odor.		2" ID 0.010" Slotted PVC Screen (36.5 - 46.5 feet bls)
	125/ 93			At 35': color change to brown (7.5YR, 5/3).		
40	56/ 70		ML	CLAYEY SILT, brown (7.5YR, 4/2), moderately dense/firm, moderate/high plasticity, faint chemical odor.		
	14/ 31.0					10x20 Sand Filter Pack (34 - 47.5 feet bls)
	11.0/ 13.0					
45						

Figure D-3. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-30.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 1 of 3

Lithologic and well construction log: MC-MW-30

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
45	5.2/ 5.2		ML-CL	CLAYEY SILT/SILTY CLAY, brown (7.5YR, 5/3), dense, moderate/high plasticity, no odor.		2" ID PVC Silt Trap (46.5 - 50 feet bls)
	5.7/ 6.0					
50	3.5/ 5.4		ML	Sandy CLAYEY SILT, 80% clayey silt, 20% sand, brown (7.5YR, 4/4), firm/moderate density, moderate/high plasticity.		Flush - Threaded End Cap
	1.7/ 4.5					
	3.8/ 5.4		ML	SILT, brown (7.5YR, 4/4), soft, moderate plasticity.		
55	3.7/ 5.4		ML	CLAYEY SILT, trace Sand, brown (7.5YR, 4/4), dense, moderate/high plasticity.		
	6.8/ 7.8					
60	2.7/ 4.8					
	8.2/ 6.4		ML-CL	CLAYEY SILT/SILTY CLAY, brown (7.5YR, 5/4), hard, high plasticity.		
	3.1/ 5.1					
65	3.8/ 4.5		ML	CLAYEY SILT, light brown (7.5YR, 6/4), firm/moderately dense, high plasticity.		
	2.7/ 7.6		CL	SILTY CLAY, light yellowish brown (10YR, 6/4), very hard, brittle with caliche.		
70	4.0/ 8.4		CL			
	4.2/ 7.4		CL	SILTY CLAY, light brownish bray (2.5YR, 6/2), hard, caliche pockets.		
	7.6/ 6.3		CL	SILT, very pale brown (10YR, 7/3), firm/moderately dense, low/moderate plasticity.		
75	4.0/ 5.9		CL	CLAYEY SILT, pinkish gray (7.5YR, 7/2), moderately dense, moderately plastic, mottled with caliche.		
	8.5/ 9.8					
80	5.1/ 10.0		CL	SILTY CLAY, brown (7.5YR, 5/3), dense, high plasticity, mottled with caliche.		6" diameter borehole (36 - 150 feet bls)
	10.9/ 11.9			SILTY CLAY, light brownish bray (2.5YR, 6/2), hard, caliche pockets.		
	10.0/ 8.7					
85	10.8/ 10.3			SILTY CLAY, brown (7.5YR, 5/4), very dense, high plasticity. At 76': string of caliche grains/small nodules.		
	5.9/ 7.1					
90			ML	Sandy CLAYEY SILT, 70% clayey silt, 30% sand, yellowish brown (10YR, 5/3), firm/moderately dense; sand, very fine-grained grading to silt.		
	7.2/ 8.4			SILTY CLAY, brown (7.5YR, 5/4), very dense, high plasticity. At 93'-94': layer of caliche granules. At 100'-101': caliche granules. At 115'-20% sand, very fine-grained grading to silt. At 123'-124': caliche nodules.		
	8.4/ 11.1					
95	8.4/ 9.4					
	4.3/ 5.3					
100	6.6/ 7.0					
	6.7/ 6.7					
	8.0/ 6.6					
105						

Figure D-3. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-30.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT

Lithologic and well construction log: MC-MW-30

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
105	7.9/ 6.8					
	6.4/ 7.3					
110	7.0/ 7.5		CL			
	1.4/ 3.5					
	7.6/ 6.1					
115	8.5/ 7.4					
	4.2/ 5.2					
120	3.8/ 4.7					
	6.3/ 5.3					
	7.3/ 5.9					
125	8.4/ 6.6					
	7.5/ 3.7					
130	3.7/ 5.9		ML	Sandy CLAYEY SILT, 80% clayey silt, 20% sand, brown (7.5YR, 5/4), soft.		
	4.8/ 5.0		CL	SILTY CLAY, brown (7.5YR, 5/4), very dense, high plasticity.		
	9.6/ 6.8			At 132': caliche nodules.		
135	10.3/ 5.8		ML	Sandy CLAYEY SILT, brown (7.5YR, 5/3), moderately dense, low/moderate plasticity.		
	2.3/ 5.9		CL	SILTY CLAY, brown (7.5YR, 5/4), very dense, high plasticity.		
140	11.3/ 7.8		ML			
	8.9/ 7.8		ML	Sandy CLAYEY SILT, 80% clayey silt, 20% sand, brown (7.5YR, 5/4), soft.		
	7.8/ 6.2			Sandy CLAYEY SILT, 80% clayey silt, 20% sand, brown (7.5YR, 5/4), soft.		
145	10.0/ 5.2		CL	SILTY CLAY, brown (7.5YR, 5/4), very dense, high plasticity.		
	0.3/ 6.0					
150	6.0/ 5.7					Total depth = 150 feet bls
155						

Figure D-3. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-30.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

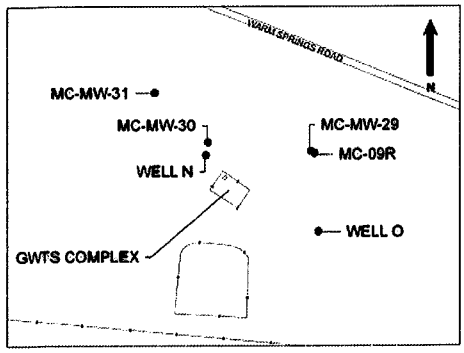
Logged By JCY
Checked By DAT
Page 3 of 3

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-MW-31

Northing 26722161.639
Easting 824775.798
LS Elev. (ft) 1714.47
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1716.846
Total Depth (ft) 150
Depth to Water (ft) N/A
Date 06/03/2009 - 06/04/2009

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 2 inch
Type of Casing PVC
Slot Size 0.010"
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	USCS	Lithologic Description
0		SM	Silty Gravelly SAND, occasional cobbles, 65% sand, 20% gravel and cobbles, 15% silt, brown (7.5YR, 5/3) with multicolored grains, firm/moderately dense, slightly moist; sand, coarse- and fine-grained.
5	1.7/3.4		
	1.7/2.8		
	1.0/2.5		
10	0.6/2.8		
	2.4/2.8		
	2.5/3.1		
15	1.2/2.9	SM	Silty SAND, brown (7.5YR, 4/3) with multicolored grains, loose, slightly moist, no odor; sand, coarse- and fine-grained.
	2.4/3.7	SM	Silty Gravelly SAND, occasional cobbles, 65% sand, 20% gravel and cobbles, 15% silt, brown (7.5YR, 5/3) with multicolored grains, firm/moderately dense, slightly moist; sand, coarse- and fine-grained.
20	2.4/3.4		
	0.7/3.2		
	1.6/3.6		
25	1.1/4.8	SW	SAND with Silt, trace Gravel, 85% sand, 10% silt, 5% gravel, brown (7.5YR, 4/3) with multicolored grains, chemical odor starts about 25'.
	3.3/6.0	SP	SAND with Silt, 90% sand, 10% silt, brown (7.5YR, 4/3), moderately dense, chemical odor; sand, predominantly fine-grained.
30	2.0/5.6	SM	
	3.2/6.2		
	5.3/7.2	SP	Silty Gravelly SAND, boulders, 55% sand, 30% gravel & boulders, 15% silt, brown (7.5YR, 4/3) with multicolored grains, moderately dense, chemical odor.
35	29/520	CL-ML	SAND with Silt, dark gray (7.5YR, 3/2), firm/moderately dense, chemical odor; sand, predominantly medium-/coarse-grained.
	210/550		
40	320/480		Muddy Creek Formation. SILTY CLAY/CLAYEY SILT, brown (7.5YR, 4/4), dense, high plasticity, caliche nodules present.
	42/44	ML	
45	15/266	ML	At 35': color change to brown (7.5YR, 5/4).

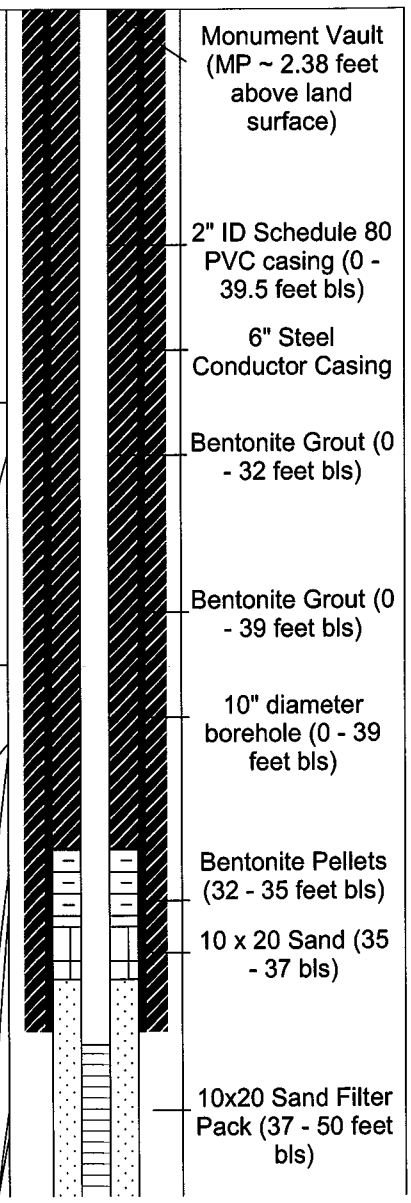


Figure D-4. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-31.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 1 of 3

Lithologic and well construction log: MC-MW-31

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
45	25/ 21		ML	CLAYEY SILT, brown (7.5YR, 5/4), moderately dense, moderate-/high plasticity, faint chemical odor.		2" ID 0.010" Slotted PVC Screen (39.5 - 49.5 feet bls)
	13.2/ 6.4		ML	Sandy CLAYEY SILT, brown (7.5YR, 5/4), firm/moderately dense, low plasticity, no odor.		
50	10.5/ 12.2		CL-ML	CLAYEY SILT, brown (7.5YR, 5/4), firm, moderate-/high plasticity, no odor.		2" ID PVC Silt Trap (49.5 - 53 feet bls)
	2.5/ 3.9			Sandy CLAYEY SILT, brown (7.5YR, 5/4), firm/moderately dense, low plasticity, no odor.		Flush - Threaded End Cap
	5.7/ 5.8			SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), dense, high plasticity, caliche nodules present.		
55	5.8/ 4.6		ML	Sandy CLAYEY SILT, brown (7.5YR, 5/4), firm/moderately dense, low plasticity, no odor.		
	4.3/ 3.3		CL-ML	SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), dense, high plasticity, caliche nodules present. At 66': stringer of caliche nodules.		
60	1.9/ 3.2					
	3.4/ 3.3					
	2.5/ 3.1					
65	2.1/ 4.3					
	0.9/ 3.2		ML	Color change; olive green.		
70	1.4/ 4.3		CL-ML	SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), dense, high plasticity, caliche nodules present. At 81': stringer of caliche nodules. At 85'-86': caliche zone; dark gray, crumbles.		
	2.2/ 4.0					
	1.5/ 4.1					
75	1.8/ 4.1					
	1.4/ 3.9					
80	2.4/ 4.1					6" diameter borehole (39 - 150 feet bls)
	1.2/ 4.7					
	3.0/ 4.5					
85	3.3/ 4.6					
	1.3/ 4.8					
90	2.9/ 4.5		CL-ML	SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), soft/firm, high plasticity, caliche nodules present. At 93': stringer of caliche nodules.		
	2.4/ 5.5					
	2.7/ 4.9					
95	1.8/ 5.1					
	3.2/ 5.2		ML	Sandy CLAYEY SILT, 70% clayey silt, 30% sand, brown (7.5YR, 5/3), sand, very fine-grained grading to silt.		
			CL-ML			
100	2.7/ 4.9			SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), soft/firm, high plasticity, caliche nodules present. At 99': layer of caliche nodules.		
	1.8/ 4.5					
	1.5/ 5.1					
105						

Figure D-4. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-31.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 2 of 3

Lithologic and well construction log: MC-MW-31

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
105	3.3/ 4.2		CL	SILTY CLAY, trace Sand, reddish brown (5YR, 4/3), very dense, high plasticity, no odor, slightly moist, occasional caliche nodules. At 111': caliche stringer. At 123'-124.5': caliche nodules in clayey silt matrix.		
	1.8/ 4.5					
110	1.6/ 4.5					
	1.2/ 4.4					
	0.9/ 4.2					
115	0.6/ 3.2					
	1.8/ 4.0					
120	1.2/ 4.2					
	1.2/ 4.1					
	1.2/ 3.9					
125	1.2/ 3.5		ML	CLAYEY SILT, brown (7.5YR, 5/3), firm/medium-dense, plastic, slightly moist, no odor.		
	0.9/ 3.8					
130	2.1/ 4.0		CL	SILTY CLAY, trace Sand, reddish brown (5YR, 4/3), very dense, high plasticity, no odor, slightly moist, occasional caliche nodules.		
	1.8/ 4.3		ML	CLAYEY SILT, brown (7.5YR, 5/3), firm/medium-dense, plastic, slightly moist, no odor.		
	1.1/ 4.0					
135	1.6/ 4.0					
	0.8/ 3.9					
140	0.1/ 3.9					
	1.9/ 3.8		CL-ML	SILTY CLAY/CLAYEY SILT, brown (7.5YR, 5/4), soft/firm, high plasticity.		
	1.7/ 3.7					
145	1.2/ 4.1		ML	CLAYEY SILT, brown (7.5YR, 5/3), firm/medium-dense, plastic, slightly moist, no odor.		
	1.5/ 3.9		CL	SILTY CLAY, trace Sand, reddish brown (5YR, 4/3), very dense, high plasticity, no odor, slightly moist, occasional caliche nodules.		
150	1.4/ 3.7					Total depth = 150 feet bls
155						

Figure D-4. Lithologic Log and Well Construction Diagram for Middle Zone Monitor Well MC-MW-31.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT

Previously Installed QAL Wells

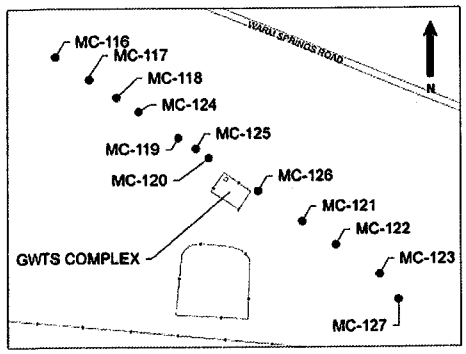
Referenced in Table 2 and Figure 4

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-125

Northing 26721928.06
Easting 824944.69
LS Elev. (ft) 1716.18
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1718.74
Total Depth (ft) 55
Depth to Water (ft)
Date 6/17/2009

Drill Method Rotosonic
Sampling Method N/A
Diameter of Casing 2 inch
Type of Casing Schd 80 PVC
Slot Size 0.010 inch
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0						Monument Vault (MP ~ 2.56 feet above land surface)
	5.3/ 19.6		SM	Silty Gravelly SAND, occasional cobbles, 70% sand, 15% silt, 15% gravel & cobbles, pink (7.5YR, 7/4), loose/firm, no odor; sand, coarse- and fine-grained, angular/sub-angular.		
	5.5/ 20.2			At 4': color change to light brown (7.5YR, 6/4).		2" ID Schedule 80 PVC casing (0 - 20 feet bls)
5	5.4/ 18.9					
	3.2/ 15.7		SP / SM	Gravelly SAND trace Silt, 75% sand, 20% gravel, 5% silt, brown (7.5YR, 5/3) with multicolored grains, loose/firm, no odor; sand, predominantly coarse-grained.		Bentonite Cement (0 - 12 feet bls)
10	3.7/ 15.7		SP	Silty Gravelly SAND, occasional cobbles, 70% sand, 15% silt, 15% gravel & cobbles, pink (7.5YR, 7/4), loose/firm, no odor; sand, coarse- and fine-grained, angular/sub-angular.		
	4.3/ 19.0					Bentonite Pellets (12 - 15 feet bls)
	3.6/ 16.3			Gravelly SAND with Silt, 70% sand, 20% gravel, 10% silt, brown (7.5YR, 5/3) with multicolored grains, loose/firm, no odor; sand, coarse- and fine-grained, angular/sub-angular.		
15	4.1/ 18.4					#30 Sand (15 - 17 feet bls)
	2.7/ 16.7		SM	Silty Gravelly SAND, occasional cobbles, 70% sand, 15% silt, 15% gravel & cobbles, pink (7.5YR, 7/4), loose/firm, no odor; sand, coarse- and fine-grained, angular/sub-angular.		
20	2.8/ 18.0			At 19'-20': cemented with caliche. At 23.5'-24.5': cobble/coarse-grained gravel zone.		6" diameter borehole
	5.6/ 19.8					
	2.2/ 21.9		SP	Gravelly SAND with Silt, occasional cobbles, 70% sand, 20% gravel & cobbles, 10% silt, brown (7.5YR, 4/3) with multicolored grains, loose, chemical odor begins about 24'; sand, coarse- and fine-grained, angular/sub-angular.		
25	5.0/ 36.1					10x20 Sand Filter Pack (17 - 39 feet bls)
	5.8/ 37.1					

Figure C-13. Lithologic Log and Well Construction Diagram for Piezometer MC-125.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW
Page 1 of 2

Lithologic and well construction log: MC-125

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
30	4.6/ 26.4					
	80/ 410			CLAYEY SILT with Sand, 60% silt, 30% clay, 10% sand, brown (7.5YR, 5/3), soft/moderately dense, moderate plasticity.		2" ID 0.010" Slotted Schedule 80 PVC Screen (20 - 40 feet bls)
	50/ 340					
35			ML			
	80/ 270					
	93/ 570					
40	50/ 400					
			ML	Muddy Creek Formation. CLAYEY SILT, 60% silt, 40% clay, brown (7.5YR, 5/3), dense, plastic, caliche nodules.		2" ID PVC Silt Trap (40 - 43.5 feet bls)
	75/ 426			CLAYEY SILT with Sand, 60% silt, 30% clay, 10% sand, brown (7.5YR, 5/3), soft/moderately dense, moderate plasticity.		Flush - Threaded End Cap
	103/ 730					
45						
	25/ 165					
	4.6/ 55		ML			
50	6.8/ 37					
	0.2/ 11.5					
	0.1/ 12.5					
55						Total depth = 55 feet bls

Figure C-13. Lithologic Log and Well Construction Diagram for Piezometer MC-125.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

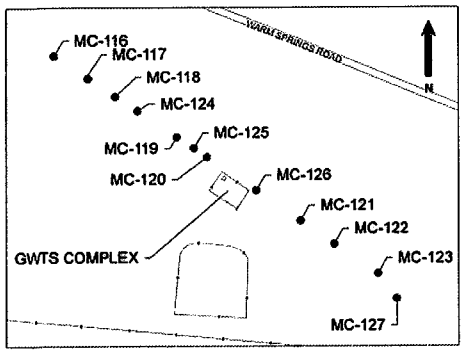
Logged By JCY
Checked By BRW
Page 2 of 2

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-122

Northing 26721516.01
Easting 825537.97
LS Elev. (ft) 1722.04
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1724.31
Total Depth (ft) 51.5
Depth to Water (ft)
Date 5/15/2009

Drill Method Rotosonic
Sampling Method N/A
Diameter of Casing 2 inch
Type of Casing Schd 80 PVC
Slot Size 0.010 inch
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0						Monument Vault (MP ~ 2.27 feet above land surface)
	1.8/ 0.0			SAND with Silt, with Gravel, 90% sand, 10% silt, 10% gravel, firm/loose, very slightly moist, no odor; sand, fine-grained grading to silt, angular/sub-angular.		
	1.8/ 0.0					2" ID Schedule 80 PVC casing (0 - 28 feet bls)
5			SW			
	1.5/ 0.0					
	1.5/ 0.0					Bentonite Cement (0 - 20 feet bls)
10	1.9/ 0.0					
	1.2/ 0.0			SAND, with Gravel, trace Silt, occasional Cobbles, 85% sand, 10% gravel, 5% silt, slightly moist, firm/loose, slightly moist, no odor; sand, medium-grained grading to silt. Stringers of weakly cemented caliche this interval.		6" diameter borehole
	1.3/ 0.0			At 10': gravel stringer.		
15						
	1.5/ 0.0					
	0.2/ 0.0					
20	0.1/ 0.0		SW			Bentonite Pellets (20 - 23 feet bls)
	0.1/ 0.0					
	0.0/ 0.2					#30 Sand (23 - 25 feet bls)
25						
	0.6/ 1.0					
	0.4/ 1.0					

Figure C-10. Lithologic Log and Well Construction Diagram for Piezometer MC-122.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW
Page 1 of 2

Lithologic and well construction log: MC-122

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
30	0.1/ 0.0					
	7.9/ 22.1			Gravelly SAND with Silt, occasional cobbles, 60% sand, 30% gravel & cobbles, 10% silt, brown (7.5YR, 4/3)loose/firm, slight chemical odor; sand, coarse- grading to fine-grained.		2" ID 0.010" Slotted Schedule 80 PVC Screen (28 - 48 feet bls)
	45.0/ 118					
35	150/ 438		SW			
	180/ 460					10x20 Sand Filter Pack (25 - 48 feet bls)
40	160/ 600			SAND with Silt, 90% sand, 10% silt, loose, dark brown (7.5YR, 4/3), chemical odor; sand, predominantly medium-/coarse-grained; gravel stringers.		
	180/ 580					
	230/ 980		SP			
45	200/ 500					
	160/ 280			Muddy Creek Formation. CLAYEY SILT, light reddish brown (5YR, 6/4), dense, plastic, slight chemical odor.		2" ID PVC Silt Trap (48 - 51.5 feet bls)
50	32/ 130		ML			
	7/ 32					Flush - Threaded End Cap
						Total depth = 51.5 feet bls
55						

Figure C-10. Lithologic Log and Well Construction Diagram for Piezometer MC-122.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

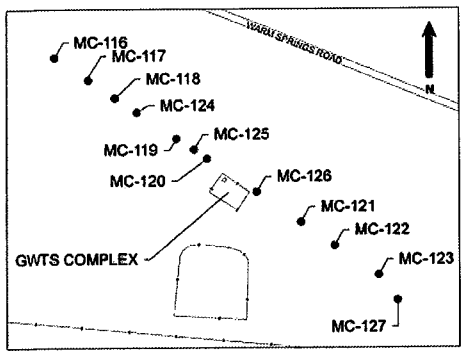
Logged By JCY
Checked By BRW
Page 2 of 2

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-119

Northing 26721975.15
Easting 824871.63
LS Elev. (ft) 1716.08
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1715.54
Total Depth (ft) 35
Depth to Water (ft)
Date 06/06/2009 - 06/07/2009

Drill Method Rotosonic
Sampling Method N/A
Diameter of Casing 2 inch
Type of Casing Schd 80 PVC
Slot Size 0.010 inch
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0	1.1/ 2.3		SM	Silty Gravelly SAND, occasional Cobbles, 70% sand, 15% gravel & cobbles, 15% silt, light brown (7.5YR, 6/3) with multicolored grains, loose/firm, slightly moist, no odor; sand, coarse- and fine-grained, angular to subangular. At 4': color change to brown (7.5YR, 5/4). At 9': cobble stringer.		Monument Vault (MP ~ 2.41 feet above land surface)
	0.9/ 2.1					2" ID Schedule 80 PVC casing (0 - 21.5 feet bls)
5	2.6/ 3.5					Bentonite Cement (0 - 13.5 feet bls)
	3.1/ 2.9					
10	1.5/ 2.9					
	2.4/ 3.1					
	3.8/ 3.4					Bentonite Pellets (13.5 - 16.5 feet bls)
15	1.4/ 4.3					
	2.7/ 3.3					#30 Sand (16.5 - 18.5 feet bls)
20	2.9/ 3.1					10x20 Sand Filter Pack (18.5 - 32 feet bls)
	3.9/ 4.0					
	4.4/ 4.0		SP	Gravelly SAND with Silt, 60% sand, 30% gravel, 10% silt, brown (7.5YR, 5/4), loose, moist, chemical odor starts about 25'; sand, predominantly coarse-grained		2" ID 0.010" Slotted Schedule 80 PVC Screen (21.5 - 31.5 feet bls)
25	17.5/ 16.8					
	5.7/ 8.6					
30	11.3/ 10.3		ML	CLAYEY SILT, dark grayish brown (10YR, 4/2), dense, moderate plasticity, chemical odor.		6" diameter borehole
	37/ 32		ML	Muddy Creek Formation. CLAYEY SILT, brown, (7.5YR, 4/3), dense, moderate to high plasticity, caliche nodules, chemical odor.		2" ID PVC Silt Trap (31.5 - 35 feet bls)
	57/ 52					
35						Flush - Threaded End Cap Total depth = 35 feet bls

Figure C-7. Lithologic Log and Well Construction Diagram for Piezometer MC-119.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

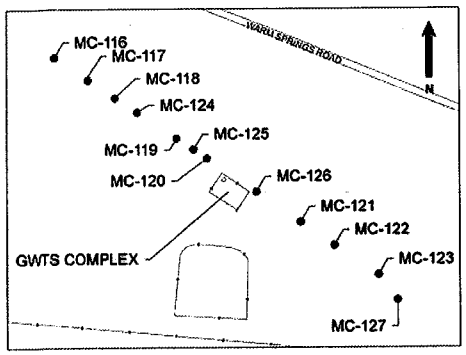
Logged By JCY
Checked By BRW
Page 1 of 1

Henderson Groundwater Treatment System Henderson, Nevada

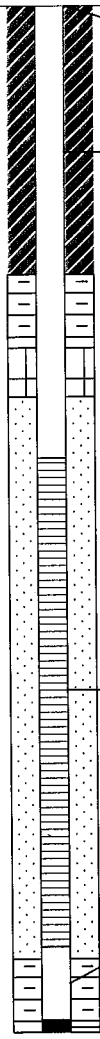
Lithologic and well construction log: MC-116

Northing 26722324.01
Easting 824353.21
LS Elev. (ft) 1712.94
Ref. Pnt. Top of casing
Ref. Pnt. Elev. (ft) 1712.35
Total Depth (ft) 42
Depth to Water (ft)
Date 6/7/2009 - 6/8/2009

Drill Method Rotosonic
Sampling Method N/A
Diameter of Casing 2 inch
Type of Casing Schd 80 PVC
Slot Size 0.010 inch
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description
0	0.0/ 0.7		SM	Gravelly Silty SAND, occasional Cobbles, 70% sand, 15% gravel & cobbles, 15% silt, brown (7.5YR, 5/4) with multicolored grains, loose/firm, slightly moist, no odor; sand, coarse- to fine-grained.
	0.4/ 4.3			
5	2.0/ 3.0			
	5.0/ 4.1			
10	2.9/ 9.2			
	3.5/ 5.1			
	3.9/ 4.6		SW	Gravelly SAND with Silt, occasional Cobbles, 55% sand, 35% gravel & cobbles, 10% silt, brown (7.5YR, 5/4) with multicolored grains, loose/firm, slightly moist, no odor; sand, coarse- to fine-grained.
15	1.4/ 4.9			
	4.2/ 5.1		SM	Gravelly Silty SAND, occasional Cobbles, 70% sand, 15% gravel & cobbles, 15% silt, brown (7.5YR, 5/4) with multicolored grains, loose/firm, slightly moist, no odor; sand, coarse- to fine-grained.
20	5.6/ 6.0		SP-SM	
	4.7/ 5.3			
	1.8/ 5.4		SM	SAND with Silt interbedded with Silty SAND, brown (7.5YR, 5/2), loose/firm, slightly moist, no odor; sand, coarse- to fine-grained.
25	.3/ 4.3			
	.1/ 9.1			Silty Sandy GRAVEL/Gravelly SAND, 20% silt, 40% sand, 40% gravel, interbedded with caliche, brown (7.5YR, 5/4) with multicolored grains, loose/firm, slightly moist, no odor; silty gravelly sand/sandy gravel, coarse- to fine-grained.
30	3.6/ 8.0		SM-ML	
	.5/ 7.9			
	4.6/ 8.5		ML	Sandy SILT/Silty SAND, brown (7.5YR, 5/3), firm, slightly moist, no odor; sand, fine-grained grading to silt.
35	0.3/ 8.2			
	5.6/ 9.2		ML-CL	CLAYEY SILT with Sand, brown (7.5YR, 5/3), moderate plasticity, dense, no odor. At 36': sand stringer.
40	87/ 42			
	66/ 33.9			Muddy Creek Formation. CLAYEY-SILT/SILTY CLAY, reddish brown (5YR, 5/3), very dense, high plasticity, caliche nodules present
45				



Flush mounted vault

2" ID Schedule 80 PVC casing (0 - 18.5 feet bls)

Bentonite Cement (0 - 11 feet bls)

Bentonite Pellets (11 - 14 feet bls)

#30 Sand (14 - 16 feet bls)

10x20 Sand Filter Pack (16 - 39 feet bls)

2" ID 0.010" Slotted Schedule 80 PVC Screen (18.5 - 38.5 feet bls)

6" diameter borehole

2" ID PVC Silt Trap (38.5 - 42 feet bls)

Flush - Threaded End Cap

Total depth = 42 feet bls

Figure C-4. Lithologic Log and Well Construction Diagram for Piezometer MC-116.

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

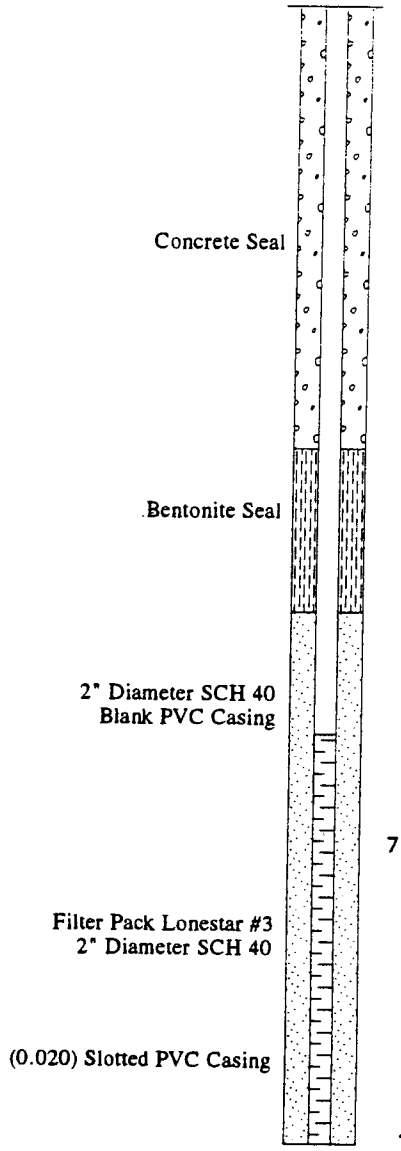
Logged By JCY
Checked By BRW
Page 1 of 1

00027

Equipment B-61

Elevation N/A Date 11/12/97

Blows/ft	PID (ppm)	Depth (ft)	Sample	Description
		0		**RED-BROWN SILTY SAND WITH GRAVEL** (SM); medium dense, dry, gravel dia. +/- 1", trace cobbles
40 24/6"		5		**RED-BROWN WELL GRADED SAND WITH SILT AND GRAVEL** (SW-SM); very dense, moist gravel dia. +/- 1/2"
28 24/6"		10		Same, gravel to 1-1/2" dia., dense
31 27/6"		15		Same, color change to brown, dense Increase in % silt at 16.5 feet
36 34/6"		20		Same, very dense, decrease in % silt, gravel in cuttings to 2" dia.
63 32/6"		25		**BROWN WELL GRADED SAND WITH GRAVEL** (SM); very dense, moist, gravel dia. +/- 3/4" (up to 2"-3" in cuttings)
71/11"		30		**GRAY WELL GRADED SAND** (SW); very dense, wet (water in sampler)
19 14/6"		35		**RED-BROWN SILTY CLAY** (CL-ML); hard, wet (solvent odor)
16 13/6"		40		Color change to red, same, decrease % silt (possible clay), very strong solvent odor in sand sluff
		45		Boring terminated at 41.5 feet. Free groundwater measured in PVC casing at 29.3 feet at time of drilling.
		50		
		55		



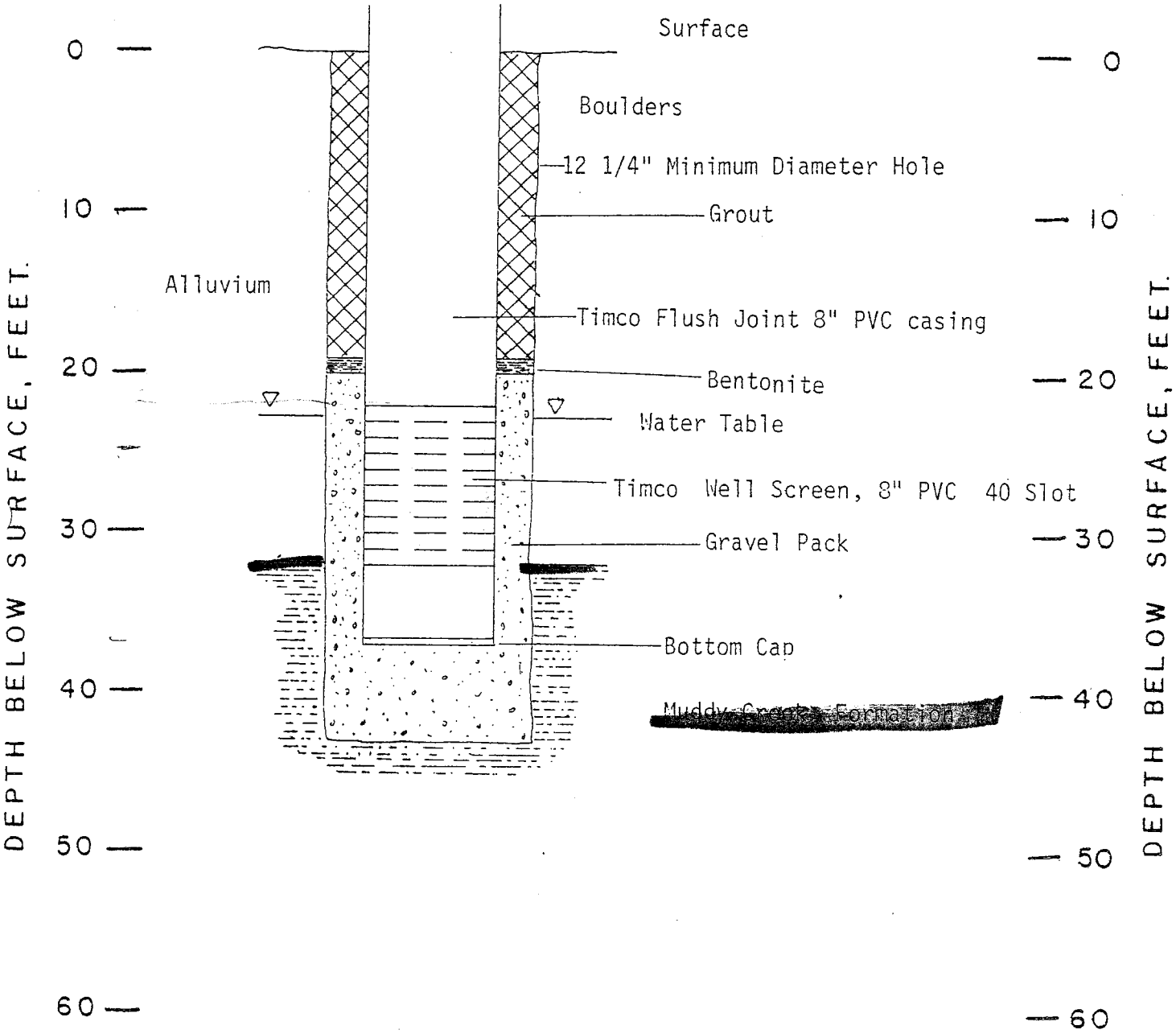
(sheet 1 of 1)

Harding Lawson Associates
Engineering and Environmental Services

LOG OF BORING MC-104
Stauffer Management - BMI
8000 Lake Mead

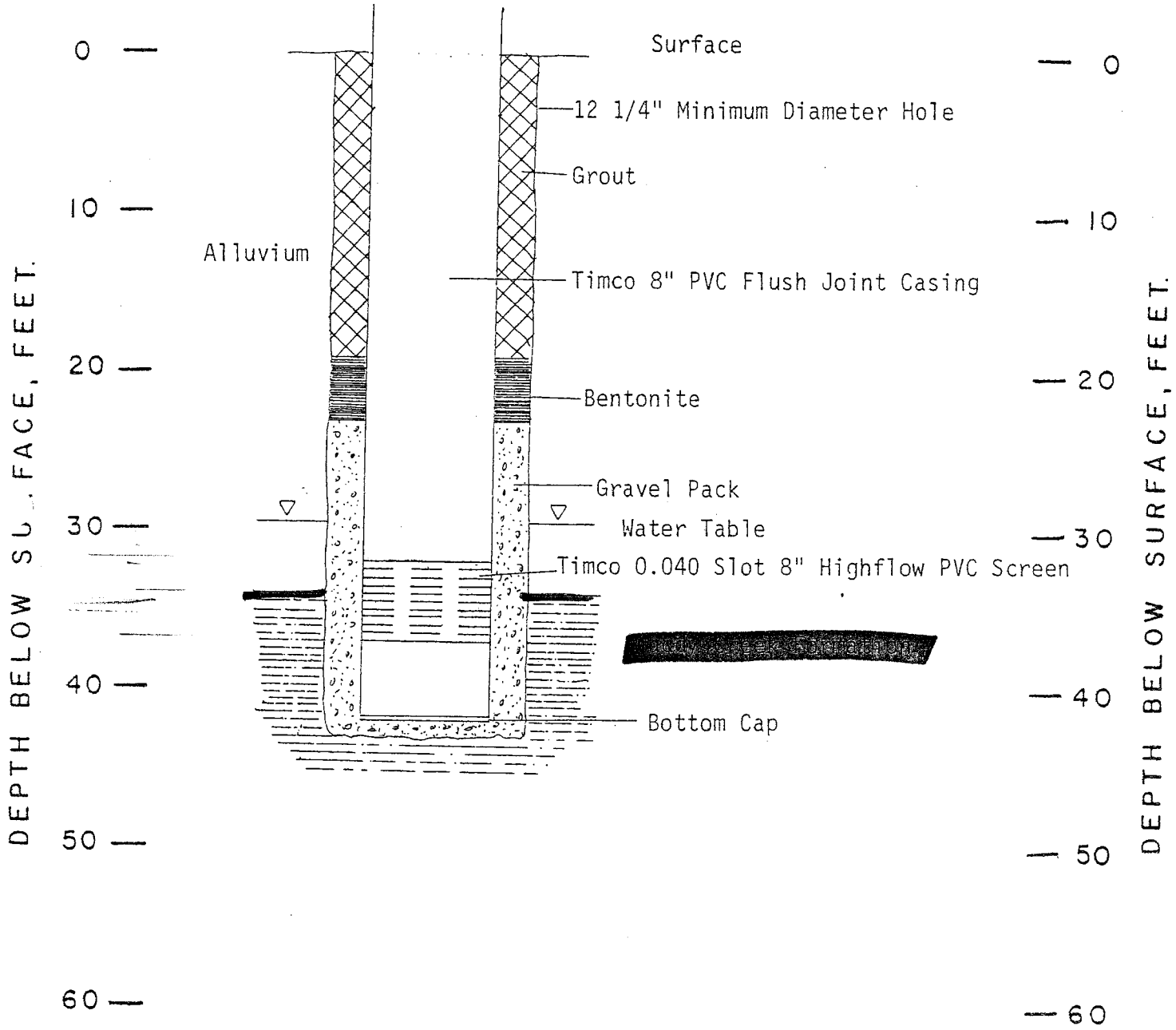
FIGURE

DRAWN	PROJECT NUMBER	APPROVED	DATE	REVISED DATE
KBH	37105.23		6/26/98	7/20/98



Well-A

WELL ~~H-63 (A)~~
GROUNDWATER INTERCEPT SYSTEM
HENDERSON, NEVADA
DRILLED 8-30 & 31, 1983



Well - J

WELL [redacted]
GROUNDWATER INTERCEPT SYSTEM
HENDERSON, NEVADA
DRILLED 8-30, 1983

EGUN 5-20-83 FINISHED _____ LOGGED BY GA DRILLED BY _____ DRILL HOLE MC-59

LEV. _____ TOTAL DEPTH _____ LOCATION _____

FOOTAGE FROM	FOOTAGE TO	THICKNESS	RECOVERY	LITHOLOGY	REMARKS
0'	10'			SAND (F/C) WITH SILT & GRAVEL	
10'	17'			GRAVELLY SAND - (COARSE SAND - FINE GRAVEL TO 3/4")	LT. CHATTER SMOOTH DRILLING
17'	19.5'			[redacted] WHITE WITH GRAVEL & GYPSUM	
19.5'	22'			[redacted]	
				BOTTOM @ 22'	
				12' - 22' PERFORATED	

EGUN 5-22-83 FINISHED _____ LOGGED BY GH RILLED BY _____ DRILL LE MC-60

LEV. _____ TOTAL DEPTH _____ LOCATION _____

FOOTAGE ROM	FOOTAGE TO	THICKNESS	RECOVERY	LITHOLOGY	REMARKS
0'	2'			SAND (F-C) WITH GRAVEL	SMOOTH DRILLING
2'	17'			GRAVELLY SAND - GRAVEL TO 1/2" - COARSE SAND	CEMENT COATING ON ONE SIDE OF GRAVELS
8'	9'			LARGER GRAVEL	MOD. CHATTER
10'					OCCAS. LT CHATTER
14.5'	15.5'			SILTY ZONE	CHATTER
17'	20'			SILTY SAND WITH GRAVEL	
20'	30.5'			SILTY SAND - LT. BROWN (COARSE SAND)	
23'				COBBLES	CHATTER
24'				WHITE MARL (GYPSUM)	
29'				BLACK GRAVEL FRAGMENTS	LT. CHATTER
[redacted]	32			[redacted] - [redacted] CREEK FORMATION - LT. RED BROWN	
				BOTTOM @ 32'	
				BENTONITE PELLETS @ 14'	
				PEA GRAVEL - 14' - 32'	
				PERFORATED PIPE - 17' - 32'	
				AIR LIFTED 5 MIN. UNTIL DRY	

EGUN 5-24-83 FINISHED _____ LOGGED BY GH DRILLED BY _____ DRILL HOLE MC-65

LEV. _____ TOTAL DEPTH _____ LOCATION _____

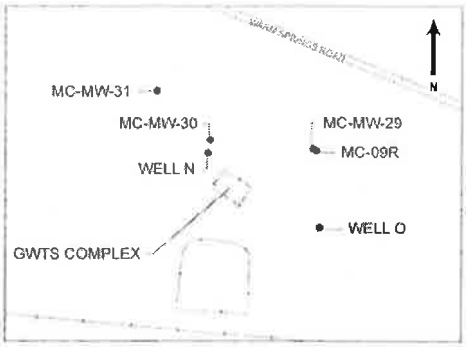
FOOTAGE FROM	FOOTAGE TO	THICKNESS	RECOVERY	LITHOLOGY	REMARKS
0'	8'			GRAVELLY SAND (FINE GRAVEL - COARSE SAND)	
8'	10'			- LESS GRAVEL	
10'	12'			- MORE SILT	
12'	39'			SAND WITH SILT & OCCASIONAL FINE GRAVEL	
				- (MED. - COARSE SAND)	
39	41'			CLAY - MUDDY CREEK FORMATION - LT. RED-BROWN	
				BOTTOM @ 41'	
				BENTONITE @ 18'	
				18'-41' - PEA GRAVEL	
				20'-41' - PERFORATED PIPE.	
					30' MIN. DELAY -
					PUMP MALFUNCTION.
					WATER TRUCK REFILL

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: MC-09R

Northing 26721902.483
Easting 825450.321
LS Elev. (ft) 1715.574
Ref. Pnt. Top of Casing
Ref. Pnt. Elev. (ft) 1717.883
Total Depth (ft) 55
Depth to Water (ft)
Date 6/7/2009 - 6/8/2009

Drill Method Rotosonic
Sampling Method
Diameter of Casing 2 inch
Type of Casing Schd 80 PVC
Slot Size 0.010 inch
Filter 10x20 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0	0.0/ 0.0		SM	Silty SAND with Gravel, occasional Cobbles, 75% sand, 15% silt, 10% gravel & cobbles, pinkish gray (7.5YR, 6/2) with multicolored grains, loose, slightly moist, no odor; sand, coarse- grading to fine-grained, angular/sub-angular.		Monument Vault (MP ~ 2.31 feet above land surface)
5	3.3/ 3.5		SM	Silty SAND with Gravel, occasional Cobbles, 75% sand, 15% silt, 10% gravel & cobbles, dark brown (7.5YR, 4/3) with multicolored grains, loose, no odor; sand, coarse- grading to fine-grained, fragments of caliche present.		2" ID Schedule 80 PVC casing (0 - 16 feet bls)
	1.6/ 2.7			At 19': stringer of finely disseminated caliche. At 25': stringer of finely disseminated caliche.		Cement Grout (0 - 8 feet bls)
	1.5/ 2.7					
10	1.3/ 2.7					Bentonite Pellets (8 - 11 feet bls)
	0.7/ 2.7					#60 Sand (11 - 13 feet bls)
	0.6/ 2.9					
15	0.6/ 2.6					6" diameter borehole
	0.6/ 2.7					
20	0.3/ 1.8					10x20 Sand Filter Pack (13 - 46.5 feet bls)
	0.7/ 0.2					
	0.2/ 0.3					
25	0.3/ 0.0					2" ID 0.010" Schedule 80 PVC screen (16 - 46 feet bls)
	0.6/ 0.0		SM	Silty Gravelly SAND, 60% sand, 20% gravel, 15% silt, dark brown (7.5YR, 4/3), moderately dense, no odor; sand, coarse- grading to fine-grained.		
30	0.4/ 0.0					

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By BRW

Lithologic and well construction log: MC-09R

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
	0.3/ 0.0			Gravelly SAND with Silt, 60% sand, 30% gravel, 10% silt, dark brown (7.5YR, 3/2) with multicolored grains; sand, coarse- grading to fine-grained. Fragments of caliche present.		
	0.4/ 0.0					
35	0.8/ 0.0					
	0.4/ 0.0		SP			
40	0.7/ 0.0					
	0.8/ 0.0					
	0.5/ 0.0					
45	11.4/ 6.6			Muddy Creek Formation. CLAYEY SILT/SILTY CLAY, brown (7.5YR, 5/4), very dense, plastic, caliche nodules. Slight chemical odor from 45'-50'.		2" ID PVC Silt Trap (46 - 49.5 feet bls)
	16.0/ 35.0			From 50'-to 52': very fine-grained sand. At 52': color change to reddish brown (5YR, 5/3).		
50	18.2/ 29.0		ML			Flush - Threaded End Cap
	16.0/ 29.8					
	5.9/ 10.9					
55						Total depth = 55 feet bls

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

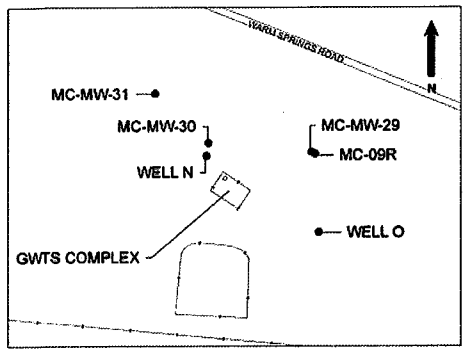
Logged By JCY
Checked By BRW

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: WELL O

Northing 26721566.82
Easting 825467.25
LS Elev. (ft) 1721.03
Ref. Pnt. Top of sounding port
Ref. Pnt. Elev. (ft) 1723.71
Total Depth (ft) 60
Depth to Water (ft) N/A
Date 05/12/2009

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 6-inch
Type of Casing PVC
Slot Size 0.040"
Filter 6x9 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0	0.2/ 0.0		SM	Silty SAND with Gravel, 75% sand, 15% silt, 10% gravel, light brown (7.5YR, 6/3) with multicolored grains, loose/firm,; sand, coarse- & fine-/medium-grained, slightly moist.		No vault (MP ~ 2.68 feet above land surface)
	0.0/ 0.0					
5	0.0/ 0.0					
	0.0/ 0.0					6" ID Schedule 80 PVC casing (0 - 33 feet bls)
10	0.0/ 0.0					
	0.0/ 0.0					
	0.0/ 0.0					Bentonite Grout (0 - 25 feet bls)
15	0.0/ 0.0					
	0.0/ 0.0					
20	0.0/ 0.0					
	0.0/ 0.0					
	1.9/ 12.2					
25	1.8/ 14.0					Bentonite Pellets (25 - 28 feet bls)
	1.2/ 5.2		SM	Silty Gravelly SAND, 60% sand, 20% gravel, 20% silt, occasional Cobbles, brown (7.5YR, 5/3) with multicolored grains, slightly moist; sand, coarse-grading to fine-grained.		#30 Sand (28 - 30 bls)
30	10.0/ 14.3			Gravelly SAND with Silt, occasional Cobbles, brown		

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 1 of 2

Figure C-2. Lithologic Log and Well Construction Diagram for Extraction Well O

Lithologic and well construction log: WELL- O

Depth (Feet Below Land Surface)	PID/FID (ppm)	Log Lithologic	USCS	Lithologic Description	Well Construction	Comments
	13.7/ 8.6		SW	(7.5YR, 5/3) with multicolored grains, chemical odor; sand, coarse- grading to fine-grained. At 33'-35': cobbles present. At 35'-36': silty sand At 39-39.5': cemented and finely disseminated caliche.		6x9 Sand Filter Pack (30 - 55 feet bls)
	105/ 58.5					
35	18.3/ 8.1					
	300/ 105					
40	240/ 132		SP	Gravelly SAND, 70% sand, 30% gravel, brown (7.5YR, 5/3), with multicolored grains, loose, chemical odor; sand, predominantly coarse-grained.		6" ID 0.040" Slotted PVC Screen (33 - 53 feet bls)
	400/ 450					
	500/ 350					
45	800/ 750		SM	Silty SAND, with Gravel, occasional Cobbles, 70% sand, 20% silt, 10% gravel & cobbles, brown (7.5YR, 5/3), with multicolored grains, moderately dense with dense interbeds, chemical odor; sand, predominantly fine-grained.		
	330/ 160					
50	800/ 800		ML	Sandy CLAYEY SILT, brown (7.5YR, 5/3), dense, moderately plastic.		
	40.0/ 22.0					
	14.0/ 11.0		ML	Muddy Creek Formation. CLAYEY SILT, brown (7.5YR, 5/3), very dense/hard, plastic, caliche nodules present.		6" ID PVC Silt Trap (53 - 56.5 feet bls)
55	15.0/ 10.0					Flush - Threaded End Cap
	7.2/ 11.3					
60	2.5/ 0.5					Total depth = 60 feet bls

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 2 of 2

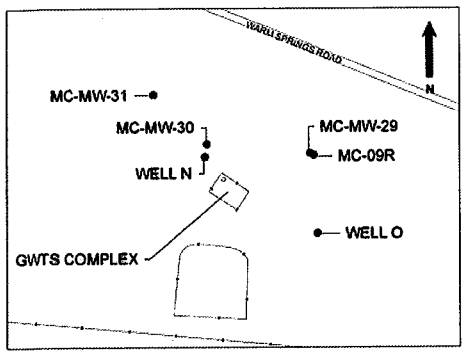
Figure C-2. Lithologic Log and Well Construction Diagram for Extraction Well O

Henderson Groundwater Treatment System Henderson, Nevada

Lithologic and well construction log: WELL N

Northing 26721893.86
Easting 824991.64
LS Elev. (ft) 1716.41
Ref. Pnt. Top of sounding port
Ref. Pnt. Elev. (ft) 1719.34
Total Depth (ft) 40
Depth to Water (ft) N/A
Date 06/02/2009

Drill Method RotoSonic
Sampling Method Continuous
Diameter of Casing 6-inch
Type of Casing PVC
Slot Size 0.040"
Filter 6x9 Sand



Depth (Feet Below Land Surface)	PID/FID (ppm)	Lithologic Log	USCS	Lithologic Description	Well Construction	Comments
0	1.2/ 4.2		SM	Gravelly Silty SAND, 70% sand, 15% gravel, 15% silt, light brown (7.5YR, 6/4) with multicolored grains, loose, no odor.		No vault (MP ~ 2.93 feet above land surface)
	0.9/ 3.6		SM	Gravelly Silty SAND, 70% sand, 15% gravel, 15% silt, light brown (7.5YR, 6/4) with multicolored grains,hard, no odor, cemented with caliche.		6" ID Schedule 80 PVC casing (0 - 19 feet bls)
5	4.5/ 3.4		SM	Silty Gravelly SAND, 65% sand, 20% gravel, 15% silt, brown (7.5YR, 5/4) with multicolored grains, firm/moderately dense, no odor; sand, coarse- and medium-/fine-grained, angular/sub-angular.		Bentonite Grout (0 - 11 feet bls)
	0.2/ 3.7					
10	0.7/ 2.1					Bentonite Pellets (11 - 14 feet bls)
	1.9/ 2.2					
	3.7/ 3.5					#30 Sand (14 - 16 bls)
15	4.1/ 3.5					
	2.4/ 3.9					6x9 Sand Filter Pack (16 - 35 feet bls)
20	3.7/ 4.4					
	0.7/ 4.7		SW	Gravelly SAND with Silt, 70% sand, 20% gravel, 10% silt, brown (7.5YR, 4/3) with multicolored grains, loose, no odor; sand, coarse-grained grading to silt, angular/sub-angular. At 27': hardened caliche.		6" ID 0.040" Slotted PVC Screen (19 - 34 feet bls)
	0.5/ 4.6					
25	6.7/ 7.9					
	13.6/ 11.4					
30	8.6/ 9.3		ML	CLAYEY SILT, brown (7.5YR, 4/3), firm, moderately plastic, chemical odor.		
	44.3/ 75.0		ML-CL			
	32/ 109		CL	Muddy Creek Formation. CLAYEY SILT/SILTY CLAY, brown (7.5YR, 4/4), dense, high plasticity, caliche nodules.		6" ID PVC Silt Trap (34 - 37.5 feet bls)
35	82.3/ 99.1			SILTY CLAY, brown (7.5YR, 4/3), hard, high plasticity, no odor.		Flush - Threaded End Cap
	59/ 83.3					
40	30/ 51					Total depth = 40 feet bls

Figure C-3. Lithologic Log and Well Construction Diagram for Extraction Well N

PID = Photo Ionization Detector
FID = Flame Ionization Detector
> = greater than

Logged By JCY
Checked By DAT
Page 1 of 1

APPENDIX C
Well Development Forms

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**		Project No.:	**60186206.01**	
PID/FID Readings:	NA	(ambient)	NA	(well mouth)	
Static Levels:	NA	(product)	**30.4**	(water)	
Sampling Depth:	NA				
Water column length:	**30.03**	(ft) X 0.17 (gal/ft) =	**5.1051**	(gal One Well Volume)	
Well Volumes Extracted:	**5.29**				
Pump ☐ /Bail ■	Avg. Rate:	**NA**	Total Gallons Extracted:	**27**	
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-32**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **NA**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	**1,723.25**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**60.45**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1117	--	--	--	--	--	--	--	--	0	30.4	Total Depth = 60.45 feet.
1130	Bail off bottom of well with 1.5-inch stainless steel one-gallon bailer.								0.5	33.4	Total Depth = 60.45 feet.
1134	Swab well for 30 minutes.								--	--	--
1215	Bail well with 1.5-inch stainless steel one-gallon bailer.								--	33.0	Total Depth = 60.45 feet.
1219	--	24.3	6.78	2,340	--	>999	--	--	2	42.7	Silty. Slight odor.
1229	--	24.3	7.18	3,690	--	688	--	--	4	--	Silty. Slight odor.
1242	--	23.5	7.50	3,770	--	663	--	--	7	52.9	Silty. Slight odor.
1257	Stop bailing to allow for recharge.								--	60.1	--
1416	Bail well with 1.5-inch stainless steel one-gallon bailer								--	48.8	--
1420	--	23.0	6.96	5,100	--	423	--	--	10.5	56.6	Silty. No odor
1432	--	23.6	7.21	5,310	--	>999	--	--	16	60.2	Silty. No odor
1444	--	22.8	7.41	5,690	--	255	--	--	17	59.7	Silty. Slight odor.
1500	Stop bailing to allow for recharge.								--	59.7	--
0841	--	22.9	6.51	6,580	--	18	--	--	19	30.4	11/10/10 Total Depth= 60.45. Clear. Slight odor.
0845	--	22.4	6.51	6,860	--	41	--	--	22	45.2	Clear with brown tint. Slight odor.
0850	--	23.3	6.54	6,840	--	>999	--	--	24	53.7	Silty. Slight odor.
0858	--	23.2	6.58	6,990	--	>999	--	--	27	59.7	Silty. Slight odor. End well development.

Notes:
NA = Non-applicable
bgs = below grade surface

Recorded By Katharine Carr Green Date 11/9/10 to 11/10/10
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**	Project No.:	**60186206.01**		
PID/FID Readings:	NA (ambient)	NA (well mouth)			
Static Levels:	NA (product)	**32.6** (water)			
Sampling Depth:	NA				
Water column length:	**50.50** (ft) X 0.17 (gal/ft) =	**8.59** (gal One Well Volume)			
Well Volumes Extracted:	**5.01**				
Pump ☐ /Bail ■	Avg. Rate: **NA**	Total Gallons Extracted:	**43**		
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-33**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: NA
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	**1721.20**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**83.08**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1518	--	--	--	--	--	--	--	--	0	32.6	Total Depth = 83.05
1524	Bail off bottom of well with 1.5-inch stainless steel one-gallon bailer								1.5	44.0	Total Depth= 83.08
1536	Swab well for 30 minutes								--	--	Total Depth= 83.08
1606	Bail well with 1.5-inch stainless steel one-gallon bailer								--	42.8	
1612	--	26.6.	11.45	2,090	--	>999	--	--	5	64.6	Silty. Grout odor.
1615	--	25.8	11.33	1,940	--	>999	--	--	6	64.6	Silty. Grout odor.
1620	--	24.5	11.46	1,840	--	>999	--	--	8	73.8	Silty, brown. Grout odor.
1623	--	24.3	11.36	1,930	--	871	--	--	10	79.5	Silty. Grout odor.
1633	--	--	--	--	--	--	--	--	11.5	81.7	Silty. Stop bailing allow for recharge
0712	Bail well with 1.5-inch stainless steel one-gallon bailer								--	35.9	11/10/2010 Total Depth= 83.08
729	--	27.2	7.80	1,920	--	40	--	--	12.5	--	Clear. Grout odor.
733	--	24.8	9.64	1,910	--	>999	--	--	18.5	66.4	Silty. Grout odor.
752	--	24.3	10.11	1,730	--	>999	--	--	30.5	83.0	Silty. Grout odor.
655	Bail well with 1.5-inch stainless steel one-gallon bailer								--	33.7	11/11/2010 Total Depth= 83.08
702	--	23.7	6.20	1,640	--	18	--	--	31	36.0	Clear. No odor.
706	--	25.7	6.41	1,540	--	107	--	--	35	54.8	Slightly Silty. No odor.
711	--	--	--	--	--	229	--	--	36	67.2	Slightly Silty. No odor.
714	--	24.4	8.46	1,600	--	>999	--	--	38	72.0	Silty with brown tint. No odor.
719	--	24.4	9.25	1,550	--	>999	--	--	42	78.6	Silty with brown tint. No odor.
726	--	--	--	--	--	--	--	--	43	82.9	End Development.

Notes:
NA = Non-applicable
bgs = below grade surface

Recorded By Katharine Carr Green Date 11/9/10 to 11/11/10
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**		Project No.:	**60186206.01**	
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		**30.4**	(water)
Sampling Depth:	NA				
Water column length:	**33.08**	(ft) X 0.17	(gal/ft) =	**5.62**	(gal One Well Volume)
Well Volumes Extracted:	**5.51**				
Pump ☐ /Bail ■	Avg. Rate:	**NA**	Total Gallons Extracted:		**31**
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-34**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **NA**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	**1715.90**	pH Meter No.: **Horiba U-22**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-22**
Well Depth:	**59.30**	Thermometer No.: **Horiba U-22**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Horiba U-22**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0645	--	--	--	--	--	--	--	--	0	26.22	Total Depth = 59.3 feet.
0652	Bail off bottom of well with 1.5-inch stainless steel one-gallon bailer.								0.75	31.45	Total Depth = 59.3 feet.
0658	Swab well for 30 minutes.								--	--	--
0740	Bail well with 1.5-inch stainless steel one-gallon bailer.								1.50	33.0	Total Depth = 59.3 feet.
0745	--	28.6	7.21	6,800	--	>999	+204	--	2.25	40.1	Very silty. Moderate chemical odor.
0748	--	28.4	7.08	6,500	--	>999	+210	--	3.75	47.7	Very silty. Moderate chemical odor.
0753	--	27.4	7.08	6,300	--	560	+206	--	7.1	52.8	Silty. Moderate chemical odor.
0757	Stop bailing to allow for recharge.								10	58.2	--
1340	Bail well with 1.5-inch stainless steel one-gallon bailer								--	26.4	Total Depth = 59.3 feet.
1343	--	27.9	7.62	4,700	--	190	+196	--	11	30.2	Slightly silty. No odor.
1347	--	27.6	7.60	5,300	--	870	+203	--	14.5	46.7	Very silty. Slight chemical odor.
1353	--	26.5	7.58	5,200	--	>999	+205	--	18	55.1	Very silty. Strong chemical odor.
1357	Stop bailing to allow for recharge.								21	57.7	--
1617	--	29.3	7.53	6,100	--	33	+240	--	21.75	28.1	Clear. Moderate chemical odor.
1619	--	27.8	7.50	5,700	--	42	+240	--	23	37.9	Clear. Slight chemical odor.
1623	--	27.0	7.47	5,200	--	64	+242	--	25	53.7	Silty. Slight odor.
1632	--	--	--	--	--	--	--	--	31	57.5	End Well Development

Notes:
NA = Non-applicable
bgs = below grade surface

Recorded By Katharine Carr Green Date 8/27/2011
Checked By Brian Dean Date 11/20/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**	Project No.:	**60186206.01**		
PID/FID Readings:	NA (ambient)	NA	(well mouth)		
Static Levels:	NA (product)	**30.4**	(water)		
Sampling Depth:	NA				
Water column length:	**48.10** (ft) X 0.17 (gal/ft) =	**8.18**	(gal One Well Volume)		
Well Volumes Extracted:	**9.78**				
Pump ☐ /Bail ■	Avg. Rate: **1.04**	Total Gallons Extracted:	**80**		
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-35**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **NA**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	**1712.66**	pH Meter No.: **Horiba U-22**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-22**
Well Depth:	**67.20**	Thermometer No.: **Horiba U-22**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Horiba U-22**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0845	--	--	--	--	--	--	--	--	0	19.1	Total Depth = 67.0 feet .
0905	Bail off bottom of well with 1.5-inch stainless steel one-gallon bailer.								10.00	21.3	Total Depth = 59.3 feet .
0908	Swab well for 30 minutes.								--	22.0	--
0938	Bail well with 1.5-inch stainless steel one-gallon bailer .								30.00	23.1	Total Depth = 59.3 feet .
1045	1.25	--	--	--	--	--	--	--	30.00	20.0	Pump set at 36 feet . Begin Purge.
1047	1.25	28.3	9.76	1,400	--	>999	+107	--	32.50	23.5	Very silty. No odor.
1052	1.00	27.3	8.40	1,100	--	310	+134	--	38.0	25.1	Slightly Silty. No odor.
1057	1.00	27.1	8.46	1,100	--	38	+158	--	43	25.3	Clear. No odor.
1102	1.00	26.7	8.35	1,100	--	25	+176	--	47	25.4	Clear. No odor.
1104	Stop lower pump								49	30.2	Pump set at 54 feet. Begin Purge.
1115	1	26.9	8.00	1,100	--	17	+187	--	54	25.4	Clear. No odor.
1120	Stop lower pump								57	26.9	Pump set at 64 feet. Begin Purge.
1124	1	26.9	8.12	1,100	--	210	+185	--	58	26.9	Slightly Silty. No odor.
1129	1	26.9	8.05	1,100	--	14	+192	--	63	26.6	Clear. No odor.
1134	1	27.1	7.91	1,100	--	15	+189	--	68	26.6	Clear. No odor.
1139	1	27.0	7.93	1,100	--	16	+188	--	72	26.6	Clear. No odor.
1147	1	--	--	--	--	--	--	--	80	26.6	End Well Development

Notes:
NA = Non-applicable
bgs = below grade surface

Recorded By Katharine Carr Green Date 8/27/2011
Checked By Brian Dean Date 11/20/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**	Project No.:	**60186206.01**		
PID/FID Readings:	NA (ambient)	NA (well mouth)			
Static Levels:	NA (product)	**28.0** (water)			
Sampling Depth:	NA				
Water column length:	**38.41** (ft) X 0.17 (gal/ft) =	**6.53** (gal One Well Volume)			
Well Volumes Extracted:	**5.51**				
Pump ☐ /Bail ■	Avg. Rate: **NA**	Total Gallons Extracted:	**36**		
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-36**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **NA**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	**1,702.38**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**66.45**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0824	--	--	--	--	--	--	--	--	0.0	28.0	Total Depth = 66.34 ft bgs
0833	Bail off bottom of well with 1.5-inch stainless steel one-gallon bailer								4.0	53.7	Total Depth = 66.45 ft bgs
0915	Swab well for 30 minutes								--	--	Total Depth = 66.35 ft bgs
0945	Bail well with 1.5-inch stainless steel one-gallon bailer								--	44.2	Total Depth = 66.35 ft bgs
0954	--	24.1	6.05	2,940	--	>999	--	--	5.0	45.4	Silty. Slight odor.
0957	--	23.9	6.66	2,820	--	676	--	--	7.0	56.4	Silty. Slight odor.
1001	--	23.5	6.90	2,770	--	540	--	--	8.0	61.1	Silty. Slight odor.
1006	--	--	--	--	--	>999	--	--	10.0	65.9	Silty. Slight odor. Stop . Allow well to recharge
1128	Bail well with 1.5-inch stainless steel one-gallon bailer								--	47.6	Begin Bailing .
1130	--	23.5	6.96	2,500	--	26	--	--	12.0	52.0	Clear. No odor.
1133	--	23.5	7.03	2,640	--	>999	--	--	13.0	56.0	Silty. No odor.
1135	--	23.5	7.18	2,560	--	>999	--	--	14.0	61.0	Silty. No odor.
1141	Stop bailing to allow for recharge.								16.5	66.1	Silty. No odor.
1620	--	23.9	7.37	2,510	--	23	--	--	17.0	29.9	Begin Bailing. Clear. No odor.
1630	--	23.8	7.21	2,630	--	49	--	--	22	53.2	Clear. No odor.
1635	--	23.6	7.31	2,630	--	370	--	--	32	62.8	Silty. No odor.
1638	--	23.4	7.31	2,630	--	>999	--	--	34	65.4	Silty. No odor.
1641	--	--	--	--	--	--	--	--	36	65.8	End well development.Total Depth= 66.45ft bgs

Notes:
NA = Non-applicable
bgs = below grade surface

Recorded By Katharine Carr Green Date 11/11/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**		Project No.:	**60186206.01**	
PID/FID Readings:	NA	(ambient)	NA	(well mouth)	
Static Levels:	NA	(product)	**30.1**	(water)	
Sampling Depth:	**NA**				
Water column length:	**36.4**	(ft) X 0.17 (gal/ft) =	**6.2**	(gal One Well Volume)	
Well Volumes Extracted:	**18.6**				
Pump ■ /Bail ☐	Avg. Rate:	**1.5**	Total Gallons Extracted:	115.00	
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-37**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **Grundfos Redi-Flo**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 101**
Top Of Casing Elev.:	**1,703.91**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**66.45**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1320	--	--	--	--	--	--	--	--	0	30.1	Total Depth = 66.3 ft bgs.
1334	Bail well with 1.5-inch stainless steel one-gallon bailer								3	30.7	Total Depth = 66.28 ft bgs. Silty. No odor.
1336	Swab well for 30 minutes								--	30.9	Total Depth= 66.28 Ft bgs.
1409	Bail well with 1.5-inch stainless steel one-gallon bailer								7	32.2	Total Depth= 66.28 Ft bgs.Set pump at 59 ft bgs.
1432	1.5	24.6	6.84	9,590	--	>999	--	--	10	32.7	Set pump at 59 ft bgs. Very silty. Begin purge.
1435	1.5	24.8	6.75	9,200	--	>999	--	--	14.5	32.8	Silty. No odor.
1440	1.5	25.0	6.69	9,200	--	>999	--	--	23.25	32.8	Silty. No odor.
1450	1.5	25.0	6.68	9,300	--	432	--	--	40	32.8	Silty. No odor.
1500	1.5	24.9	6.66	9,300	--	455	--	--	60	32.8	Silty. No odor.
1506	1.5	25.0	6.66	9,580	--	>999	--	--	69	32.8	Set pump at 39 ft bgs. Silty. No odor.
1512	1.5	24.5	6.72	9,400	--	488	--	--	78	32.8	Silty. No odor.
1514	1.5	--	--	--	--	280	--	--	81	32.8	Slightly silty. No odor.
1518	1.5	25.0	6.66	9,400	--	73	--	--	87	32.8	Clear. No odor.
1521	1.5	24.9	6.65	9,400	--	19	--	--	91.0	32.8	Clear. No odor.

Notes:
NA = Non-applicable
bgs = below grade surface
TPH = Total Petroleum Hydrocarbon

Recorded By Katharine Carr Green Date 11/10/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**Henderson Enviromental Trust**		Project No.:	**60186206.01**	
PID/FID Readings:	NA	(ambient)	NA	(well mouth)	
Static Levels:	NA	(product)	**30.1**	(water)	
Sampling Depth:	**58.0**				
Water column length:	**36.4**	(ft) X 0.17 (gal/ft) =	**6.2**	(gal One Well Volume)	
Well Volumes Extracted:	**18.6**				
Pump ■ /Bail ☐	Avg. Rate:	**1.5**	Total Gallons Extracted:	115.00	
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-37**	Bailer No.: **1.5 inch SS Bailer**
Location:	**Henderson, NV**	Pump No.: **Grundfos Redi-Flo**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 101**
Top Of Casing Elev.:	**1,703.91**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**66.45**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1528	1.5	24.7	6.61	9,200	--	>999	--	--	97	32.80	Set pump at 59 ft bgs. Silty. No odor.
1532	1.5	24.9	6.64	9,300	--	12	--	--	103	32.80	Clear. No odor.
1534	1.5	24.9	6.64	9,400	--	2	--	--	109	32.80	Clear. No odor.
1538	1.5	24.7	6.64	9,400	--	<1	--	--	115	32.80	Clear. No odor. End Development.
--	--	--	--	--	--	--	--	--	--	--	

Notes:
NA = Non-applicable
bgs = below grade surface
TPH = Total Petroleum Hydrocarbon

Recorded By Katharine Carr Green Date 11/10/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**UMCf Additional Investigation**	Project No.:	**60186206.01**		
PID/FID Readings:	NA (ambient)	NA	(well mouth)		
Static Levels:	NA (product)	**26.4**	(water)		
Sampling Depth:	**NA**				
Water column length:	**40.1** (ft) X 0.17 (gal/ft) =	**6.8**	(gal One Well Volume)		
Well Volumes Extracted:	**4.8**				
Pump ■ /Bail ☐	Avg. Rate: **0.4**	Total Gallons Extracted:	32.5		
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-38**	Bailer No.: **Disposable Polyethylene**
Location:	**Henderson, NV**	Pump No.: **Grundfos Redi-Flo**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 101**
Top Of Casing Elev.:	**1,709.41**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**66.52**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
942	--	--	--	--	--	--	--	--	0	26.4	Total Depth = 66.52 ft bgs. Silty. No odor.
944	Bail well with 1.5-inch stainless steel one-gallon bailer								2.5	38.0	Total Depth = 66.51 ft bgs.
946	Swab well for 30 minutes								--	30.9	Total Depth= 66.28 ft bgs.
1026	Bail well with 1.5-inch stainless steel one-gallon bailer								3	32.2	Total Depth= 66.28 ft bgs.Set pump at 59 ft bgs.
1030	--	24.3	6.91	4,150	--	718	--	--	9	49.0	Silty. No odor.
1127	0.25	--	--	--	--	--	--	--	9.75	26.4	Set pump 55 ft bgs. Begin purge.
1129	0.25	24.5	7.00	5,870	--	921	--	--	10.25	39.0	Silty. No odor.
1134	0.3	25.2	6.94	6,060	--	>999	--	--	10.75	39.0	Silty. No odor.
1137	0.5	25.9	6.90	6,430	--	999	--	--	12	34.6	Silty. No odor.
1142	0.3	25.8	6.91	6,250	--	>999	--	--	14.5	34.6	Silty. Slight odor.
1147	0.3	25.8	6.91	6,920	--	641	--	--	16	48.0	Silty. Slight odor.
1151	0.4	25.7	6.90	7,140	--	156	--	--	16.9	46.1	Slightly silty. Slight odor.
1155	0.4	26.0	6.88	7,290	--	95	--	--	18.5	46.1	Clear. Slight odor.
1201	0.4	26.3	6.87	7,410	--	81	--	--	20.1	46.1	Clear. Slight odor.

Notes:
NA = Non-applicable
bgs = below grade surface
TPH = Total Petroleum Hydrocarbon

Recorded By Katharine Carr Green Date 11/10/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name:	**Henderson Enviromental Trust**		Project No.:	**60186206.01**	
PID/FID Readings:	NA	(ambient)	NA	(well mouth)	
Static Levels:	NA	(product)	**26.4**	(water)	
Sampling Depth:	**58.0**				
Water column length:	**36.4**	(ft) X 0.17 (gal/ft) =	**6.2**	(gal One Well Volume)	
Well Volumes Extracted:	**5.3**				
Pump ■ /Bail ☐	Avg. Rate:	**0.4**	Total Gallons Extracted:	32.5	
Disposition of Discharge Water:	**DOT 55-gallon Drums Stored On-site Pending Characterization**				

Well Information		Equipment Information
Number:	**MC-MW-38**	Bailer No.: **Disposable Polyethylene**
Location:	**Henderson, NV**	Pump No.: **Grundfos Redi-Flo**
Datum:	**NCS83**	Interface Probe No.: NA
Elev. Datum Point:	**NAVD88**	Sounder No.: **Solinst 101**
Top Of Casing Elev.:	**1,709.41**	pH Meter No.: **Horiba U-10**
Well Diameter:	**2"**	Conductivity Meter No.: **Horiba U-10**
Well Depth:	**66.45**	Thermometer No.: **Horiba U-10**
Well Material:	**PVC SCH 80**	D.O. Meter No.: NA
		Turbidity Meter No.: **Hanna**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (gpm)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Gallons Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1203	0.4	26.1	6.85	7,510	--	46	--	--	22.5	46.2	Clear. Slight (cement) odor.
1208	0.4	26.2	6.85	7,550	--	30	--	--	24.5	46.2	Clear. Slight (cement) odor.
1213	0.4	26.3	6.83	7,620	--	21	--	--	26.5	46.2	Clear. No odor.
1220	0.4	26.3	6.82	7,670	--	16	--	--	29.7	46.2	Clear. No odor.
1223	0.4	--	--	--	--	14	--	--	31.7	46.2	Clear. No odor.
1225	0.4	--	--	--	--	10	--	--	32.5	46.2	Clear. No odor. End Development.

Notes:
NA = Non-applicable
bgs = below grade surface
TPH = Total Petroleum Hydrocarbon

Recorded By Katharine Carr Green Date 11/10/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

APPENDIX D
Survey Data

Appendix D
Survey Data for New Wells
Upper Muddy Creek Formation Additional Investigation
Groundwater Treatment System
Henderson, Nevada

Field Point Name	Survey Date	Northing	Easting	Top of Casing (.01 ft)	XY Datum	Z Datum	Survey Organization
MC-MW-32	11/9/10	26721325.15	826314.47	1723.25	NCS83, 2701	NADV88	PBS&J
MC-MW-33	11/9/10	26721551.65	825490.04	1721.20	NCS83, 2701	NADV88	PBS&J
MC-MW-34	8/26/11	26721979.10	824867.20	1715.90	NCS83, 2701	NADV88	Atkins Surveyors
MC-MW-35	8/26/11	26722328.70	824348.20	1712.66	NCS83, 2701	NADV88	Atkins Surveyors
MC-MW-36	11/9/10	26722678.55	825497.46	1702.38	NCS83, 2701	NADV89	PBS&J
MC-MW-37	11/9/10	26722407.66	826148.51	1703.91	NCS83, 2701	NADV90	PBS&J
MC-MW-38	11/9/10	26722040.65	826484.48	1709.41	NCS83, 2701	NADV88	PBS&J

Notes:
ft = feet
NCS83, 2701 = Nevada Coordinate System of 1983, East Zone
cm = centimeter
BENCHMARK
CITY OF HENDERSON BENCHMARK #42
BOLT AND WASHER IN THE TOP OF THE CURB ON THE NORTHWEST CORNER OF LAKE MEAD DRIVE AND ATLANTIC AVENUE, 10 FEET+/-WEST OF P.C.
ELEVATION = 574.849m (NAVD'88)
= 1885.98ft (NAVD'88)

APPENDIX E
Purge Forms

Well Development/Purge Log

Project Name: Henderson Environmental Trust			Project No.:	60186206	
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		28.50	(water)
Sampling Depth:	48.00				
Water collumn Length:	31.95	(ft) X9.5	(ml/ft) =	304	(ml - One Tubing Volume)
Tubing Volumes Extracted:	6.92				
Pump ■ /Bail ☐	Avg. Rate:	260	Total Milliliters Extracted:	2,100	
Disposition of Discharge Water:	DOT 55-gallon Drums Stored On-site Pending Characterization				

Well Information		Equipment Information
Number:	MC-MW-32	Bailer No.: NA
Location:	Henderson, NV	Pump No.: **Portable QED Bladder Pump**
Datum:	NCS83	Interface Probe No.: NA
Elev. Datum Point:	NAVD88	Sounder No.: **Solinst 102**
Top Of Casing Elev.:	1723.25	pH Meter No.: **Horiba U-10**
Well Diameter:	2"	Conductivity Meter No.: **Horiba U-10**
Well Depth:	60.45	Thermometer No.: **Horiba U-10**
Well Material:	SCH 80 PVC	D.O. Meter No.: **Horiba U-10**
		Turbidity Meter No.: **Horiba U-10**
		ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1416	400	--	--	--	--	--	--	--	0	28.50	Controller set at 40 psi. Begin purge.
1419	400	25.7	7.36	7,760	1.36	129	+178	--	1,200	30.99	Clear. No odor.
1420	300	25.7	7.38	7,780	1.29	111	+172	--	1,500	31.49	Clear. No odor.
1421	200	25.7	7.39	7,780	1.21	110	+168	--	1,700	31.75	Clear. No odor.
1422	200	25.7	7.39	7,770	0.95	97	+166	--	1,900	32.10	Clear. No odor.
1423	200	25.8	7.40	7,770	0.54	88	+162	--	2,100	32.10	Clear. No odor.
1425	--	--	--	--	--	--	--	--	--	32.30	Begin Sampling Well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 11/16/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust		Project No.:	60186206		
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		32.96	(water)
Sampling Depth:	78.00				
Water collumn Length:	50.04	(ft) X 9.5	(ml/ft) =	475	(ml - One Tubing Volume)
Tubing Volumes Extracted:	3.79				
Pump ■ /Bail ☐	Avg. Rate:	300	Total Milliliters Extracted:		1,800
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-33	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1721.20
Well Diameter:		2"
Well Depth:		83.00
Well Material:		SCH 80 PVC

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-10**
Conductivity Meter No.: **Horiba-U-10**
Thermometer No.: **Horiba U-10**
D.O. Meter No.: **Horiba U-10**
Turbidity Meter No.: **Horiba U-10**
ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
906	400	--	--	--	--	--	--	--	0	32.96	Controller set at 40 psi. Begin purge.
908	400	23.2	6.83	1,520	1.57	34	+83	--	800	33.38	Clear with bubbles. No odor.
909	300	24.5	6.91	1,510	1.46	45	+78	--	1,100	33.49	Clear with bubbles. No odor.
910	300	25.5	6.96	1,510	1.06	46	+74	--	1,400	34.89	Clear with bubbles. No odor.
911	200	25.4	7.06	1,520	0.92	46	+71	--	1,600	35.04	Clear with bubbles. No odor.
912	200	25.5	7.11	1,510	0.86	45	+68	--	1,800	35.15	Clear with bubbles. No odor.
915	--	--	--	--	--	--	--	--	--	35.30	Begin Sampling Well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 11/17/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust		Project No.:	60186206		
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		26.24	(water)
Sampling Depth:	44.00				
Water collumn Length:	33.06	(ft) X 9.5	(ml/ft) =	314	(ml - One Tubing Volume)
Tubing Volumes Extracted:	11.14				
Pump ■ /Bail ☐	Avg. Rate:	220	Total Milliliters Extracted:	3,500	
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-34	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1715.90
Well Diameter:		2"
Well Depth:		59.30
Well Material:	SCH 80 PVC	

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-22**
Conductivity Meter No.: **Horiba U-22**
Thermometer No.: **Horiba U-22**
D.O. Meter No.: **Horiba U-22**
Turbidity Meter No.: **Horiba U-22**
ORP Meter No.: **Horiba U-22**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
0750	300	--	--	--	--	--	--	--	0	26.24	Controller set at 35 psi. Begin purge.
0754	300	28.7	7.28	8,100	1.30	48	+141	--	1,200	27.15	Clear. No Odor .
0757	200	28.6	7.36	7,100	0.90	41	+138	--	2,100	28.40	Clear. No Odor .
0800	200	28.9	7.38	6,600	0.70	27	+135	--	2,700	28.87	Clear, with green tint. No Odor.
0802	200	29.2	7.39	6,300	0.70	31	+133	--	3,100	29.19	Clear with green tint. Slight chemical odor.
0804	200	29.4	7.41	6,200	0.60	29	+131	--	3,500	29.40	Clear with green tint. Slight chemical odor.
0930	--	--	--	--	--	--	--	--	--	26.60	Begin sampling well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 8/31/2011
Checked By Alycia McCord Date 11/3/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust			Project No.:	60186206	
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		19.23	(water)
Sampling Depth:	52.00				
Water collumn Length:	47.97	(ft) X 9.5	(ml/ft) =	456	(ml - One Tubing Volume)
Tubing Volumes Extracted:	11.63				
Pump ■ /Bail ☐	Avg. Rate:	460	Total Milliliters Extracted:	5,300	
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-35	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1712.66
Well Diameter:		2"
Well Depth:		67.20
Well Material:	SCH 80 PVC	

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-22**
Conductivity Meter No.: **Horiba U-22**
Thermometer No.: **Horiba U-22**
D.O. Meter No.: **Horiba U-22**
Turbidity Meter No.: **Horiba U-22**
ORP Meter No.: **Horiba U-22**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1223	500	--	--	--	--	--	--	--	0	19.23	Controller set at 40 psi. Begin purge.
1226	500	29.4	8.70	1,200	2.00	24	+160	--	1,500	19.60	Clear. No Odor .
1228	500	30.0	8.71	1,200	1.80	20	+158	--	2,500	19.61	Clear. No Odor .
1230	500	29.9	8.72	1,200	1.00	17	+154	--	3,500	19.61	Clear, with green tint. No Odor.
1232	400	29.9	8.74	1,200	0.80	16	+151	--	4,500	19.61	Clear with green tint. No Odor.
1234	400	29.9	8.75	1,100	0.75	17	+146	--	5,300	19.61	Clear with green tint. No Odor.
1240	--	--	--	--	--	--	--	--	--	19.30	Begin sampling well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 8/31/2011
Checked By Alycia McCord Date 11/3/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust			Project No.:	60186206	
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		28.02	(water)
Sampling Depth:	54.00				
Water collumn Length:	38.33	(ft) X 9.5	(ml/ft) =	364	(ml - One Tubing Volume)
Tubing Volumes Extracted:	5.71				
Pump ■ /Bail ☐	Avg. Rate:	80	Total Milliliters Extracted:	2,080	
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-36	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1702.38
Well Diameter:		2"
Well Depth:		66.35
Well Material:		SCH 80 PVC

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-10**
Conductivity Meter No.: **Horiba U-10**
Thermometer No.: **Horiba U-10**
D.O. Meter No.: **Horiba U-10**
Turbidity Meter No.: **Horiba U-10**
ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1305	80	--	--	--	--	--	--	--	0	28.02	Controller set at 40 psi. Begin purge.
1316	80	27.5	6.86	2,580	0.83	9	+120	--	880	28.81	Clear. No odor.
1319	80	27.4	7.22	2,570	0.70	7	+119	--	1,120	29.42	Clear. No odor.
1325	80	27.4	7.27	2,570	0.91	6	+118	--	1,600	29.81	Clear. No odor.
1327	80	27.4	7.30	2,570	0.85	7	+115	--	1,760	30.28	Clear. No odor.
1331	80	27.3	7.39	2,570	0.73	7	+114	--	2,080	30.35	Clear. No odor.
1335	--	--	--	--	--	--	--	--	--	33.27	Begin Sampling Well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 11/15/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust		Project No.:	60186206		
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		30.25	(water)
Sampling Depth:	50.00				
Water collumn Length:	36.03	(ft) X 9.5	(ml/ft) =	342	(ml - One Tubing Volume)
Tubing Volumes Extracted:	8.18				
Pump ■ /Bail ☐	Avg. Rate:	400	Total Milliliters Extracted:	2,800	
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-37	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1703.91
Well Diameter:		2"
Well Depth:		66.28
Well Material:	SCH 80 PVC	

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-10**
Conductivity Meter No.: **Horiba U-10**
Thermometer No.: **Horiba U-10**
D.O. Meter No.: **Horiba U-10**
Turbidity Meter No.: **Horiba U-10**
ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
844	400	--	--	--	--	--	--	--	0	30.25	Controller set at 40 psi. Begin purge.
847	400	24.2	6.86	8,950	1.30	5	+150	--	1,200	30.35	Clear. No odor.
848	400	24.4	6.93	8,930	0.94	4	+146	--	1,600	30.37	Clear. No odor.
849	400	24.6	6.97	8,920	0.78	7	+143	--	2,000	30.37	Clear. No odor.
850	400	24.7	6.99	8,910	0.66	5	+141	--	2,400	30.37	Clear. No odor.
851	400	24.7	7.01	8,900	0.61	6	+138	--	2,800	30.37	Clear. No odor.
853	--	--	--	--	--	--	--	--	--	30.37	Begin Sampling Well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 11/16/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

Well Development/Purge Log

Project Name: Henderson Environmental Trust		Project No.:	60186206		
PID/FID Readings:	NA	(ambient)		NA	(well mouth)
Static Levels:	NA	(product)		25.95	(water)
Sampling Depth:	48.00				
Water collumn Length:	40.56	(ft) X 9.5	(ml/ft) =	385	(ml - One Tubing Volume)
Tubing Volumes Extracted:	5.19				
Pump ■ /Bail ☐	Avg. Rate:	200	Total Milliliters Extracted:		2,000
Disposition of Discharge Water:		On-site Treatment System			

Well Information		
Number:	MC-MW-38	
Location:	Henderson, NV	
Datum:		NCS83
Elev. Datum Point:		NAVD88
Top Of Casing Elev.:		1709.41
Well Diameter:		2"
Well Depth:		66.51
Well Material:		SCH 80 PVC

Equipment Information
Bailer No.: NA
Pump No.: **Portable QED Bladder Pump**
Interface Probe No.: NA
Sounder No.: **Solinst 102**
pH Meter No.: **Horiba U-10**
Conductivity Meter No.: **Horiba U-10**
Thermometer No.: **Horiba U-10**
D.O. Meter No.: **Horiba U-10**
Turbidity Meter No.: **Horiba U-10**
ORP Meter No.: **Hanna**

Time (24 hr.)	Flow rate (ml per minute)	Water Temp (°C)	pH	Cond. (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	ORP (mV) +/-	Settleable Solids (ml/L)	Milliliters Dev./Purge Before Meas.	Water Level (feet)	Remarks (e.g. water clarity)
1132	200	--	--	--	--	--	--	--	0	25.95	Controller set at 40 psi. Begin purge.
1136	200	26.5	7.32	6,900	1.16	100	+143	--	800	27.19	Clear, with bubbles. No odor.
1139	200	26.5	7.39	6,880	0.78	146	+132	--	1,400	27.25	Clear, with bubbles. No odor.
1140	200	26.5	7.42	6,870	0.74	147	+128	--	1,600	27.31	Clear, with bubbles. No odor.
1141	200	26.5	7.43	6,860	0.73	145	+119	--	1,800	27.41	Clear, with bubbles. No odor.
1142	200	26.5	7.44	6,850	0.67	163	+113	--	2,000	27.45	Clear, with bubbles. No odor.
1145	--	--	--	--	--	--	--	--	--	27.50	Begin Sampling Well.

Notes:
NA = Non-applicable
bgs - below grade surface

Recorded By Katharine Carr Green Date 11/16/2010
Checked By Alycia McCord Date 1/7/2011

AECOM

APPENDIX F
Waste Documentation

ITK1857
And
IUI0197

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson - SRC Water Program

Sampled: 11/16/10
Received: 11/18/10
Issued: 12/14/10 09:48

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: EPA 8151 results are reported on dry weight basis and all other results are reported as wet weight.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
ITK1857-01	BIN 111610	Soil
ITK1857-02	WATER 111610	Water

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)								
Reporting Units: ug/kg								
Acetone	EPA 8260B	10K3343	10	ND	1	11/29/2010	11/29/2010	
Benzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Bromobenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Bromochloromethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Bromodichloromethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Bromoform	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Bromomethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
2-Butanone (MEK)	EPA 8260B	10K3343	10	ND	1	11/29/2010	11/29/2010	
n-Butylbenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
sec-Butylbenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
tert-Butylbenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,3,5-Trichlorobenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Carbon Disulfide	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Carbon tetrachloride	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Chlorobenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
2,2,3-Trimethylbutane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Chloroethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
2,2-Dimethylpentane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Chloroform	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
2,3-Dimethylpentane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Chloromethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
2,4-Dimethylpentane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
2-Chlorotoluene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
4-Chlorotoluene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Dibromochloromethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,2-Dibromoethane (EDB)	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
2-Methylhexane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
3,3-Dimethylpentane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Dibromomethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
3-Ethylpentane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
3-Methylhexane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,2-Dichlorobenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,3-Dichlorobenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,4-Dichlorobenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Dichlorodifluoromethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	M2
1,1-Dichloroethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,2-Dichloroethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,1-Dichloroethene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
cis-1,2-Dichloroethene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
trans-1,2-Dichloroethene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil) - cont.								
Reporting Units: ug/kg								
1,2-Dichloropropane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,3-Dichloropropane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
2,2-Dichloropropane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
cis-1,3-Dichloropropene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
trans-1,3-Dichloropropene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,1-Dichloropropene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Ethylbenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Dimethyl disulfide	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Hexachlorobutadiene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
2-Hexanone	EPA 8260B	10K3343	10	ND	1	11/29/2010	11/29/2010	
Isopropylbenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
n-Heptane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Nonanal	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
p-Isopropyltoluene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Methylene chloride	EPA 8260B	10K3343	20	ND	1	11/29/2010	11/29/2010	
Naphthalene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
n-Propylbenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Styrene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Tetrachloroethene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Toluene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,2,3-Trichlorobenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,2,4-Trichlorobenzene	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,1,1-Trichloroethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,1,2-Trichloroethane	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Trichloroethene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Trichlorofluoromethane	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
1,2,3-Trichloropropane	EPA 8260B	10K3343	10	ND	1	11/29/2010	11/29/2010	
1,2,4-Trimethylbenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
1,3,5-Trimethylbenzene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Vinyl chloride	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
m,p-Xylenes	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
o-Xylene	EPA 8260B	10K3343	2.0	ND	1	11/29/2010	11/29/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K3343	5.0	ND	1	11/29/2010	11/29/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*91 %*				
Surrogate: Dibromofluoromethane (80-125%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*99 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	10K3091	10	**11**	1	11/24/2010	11/24/2010	
Benzene	EPA 8260B	10K3091	2.0	**6.9**	1	11/24/2010	11/24/2010	
Bromobenzene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Bromochloromethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Bromodichloromethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Bromoform	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Bromomethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2-Butanone (MEK)	EPA 8260B	10K3091	10	ND	1	11/24/2010	11/24/2010	
n-Butylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
sec-Butylbenzene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,3,5-Trichlorobenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
tert-Butylbenzene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Carbon Disulfide	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Carbon tetrachloride	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2,2,3-Trimethylbutane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Chlorobenzene	EPA 8260B	10K3091	2.0	**9.5**	1	11/24/2010	11/24/2010	
2,2-Dimethylpentane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Chloroethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2,3-Dimethylpentane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
2,4-Dimethylpentane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Chloroform	EPA 8260B	10K3091	2.0	**4.2**	1	11/24/2010	11/24/2010	
Chloromethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2-Chlorotoluene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
4-Chlorotoluene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2-Methylhexane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
3,3-Dimethylpentane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Dibromochloromethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,2-Dibromoethane (EDB)	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
3-Ethylpentane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
3-Methylhexane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Dibromomethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,2-Dichlorobenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,3-Dichlorobenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,4-Dichlorobenzene	EPA 8260B	10K3091	2.0	**2.7**	1	11/24/2010	11/24/2010	
Dichlorodifluoromethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,1-Dichloroethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,2-Dichloroethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,1-Dichloroethene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
cis-1,2-Dichloroethene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
trans-1,2-Dichloroethene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water) - cont.								
Reporting Units: ug/l								
1,2-Dichloropropane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,3-Dichloropropane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2,2-Dichloropropane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
cis-1,3-Dichloropropene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
trans-1,3-Dichloropropene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,1-Dichloropropene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Dimethyl disulfide	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Ethylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Hexachlorobutadiene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
2-Hexanone	EPA 8260B	10K3091	10	ND	1	11/24/2010	11/24/2010	
n-Heptane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Nonanal	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Isopropylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
p-Isopropyltoluene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K3091	10	ND	1	11/24/2010	11/24/2010	
Methylene chloride	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
n-Propylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Styrene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	M2
1,1,1,2-Tetrachloroethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Tetrachloroethene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Toluene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,2,3-Trichlorobenzene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,2,4-Trichlorobenzene	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,1,1-Trichloroethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,1,2-Trichloroethane	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Trichloroethene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Trichlorofluoromethane	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
1,2,3-Trichloropropane	EPA 8260B	10K3091	10	ND	1	11/24/2010	11/24/2010	
1,2,4-Trimethylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
1,3,5-Trimethylbenzene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Vinyl chloride	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
m,p-Xylenes	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
o-Xylene	EPA 8260B	10K3091	2.0	ND	1	11/24/2010	11/24/2010	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K3091	5.0	ND	1	11/24/2010	11/24/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*97 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02RE1 (WATER 111610 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	10K3516	5.0	ND	1	11/30/2010	11/30/2010	
Surrogate: 4-Bromofluorobenzene (80-120%)				*89 %*				
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)								
Reporting Units: ug/kg								
Tentatively Identified Compounds	EPA 8260B	10K3343	120	ND	1	11/29/2010	11/29/2010	
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
Tentatively Identified Compounds	EPA 8260B	10K3091	120	ND	1	11/24/2010	11/24/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
Acenaphthene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Acenaphthylene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Aniline	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Anthracene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzo(a)anthracene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzo(a)pyrene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzo(b)fluoranthene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzo(k)fluoranthene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzoic acid	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Benzyl alcohol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Butyl benzyl phthalate	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
4-Chloroaniline	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	47	ND	0.943	11/18/2010	11/23/2010	
2-Chloronaphthalene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2-Chlorophenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Chrysene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Dibenzofuran	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Di-n-butyl phthalate	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
1,2-Dichlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
1,3-Dichlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
1,4-Dichlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
2,4-Dichlorophenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Diethyl phthalate	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2,4-Dimethylphenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Dimethyl phthalate	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
2,4-Dinitrophenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
2,4-Dinitrotoluene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2,6-Dinitrotoluene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	C
Di-n-octyl phthalate	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water) - cont.								
Reporting Units: ug/l								
Fluoranthene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Fluorene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Hexachlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Hexachlorobutadiene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Hexachloroethane	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Isophorone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2-Methylnaphthalene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2-Methylphenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Methylphenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Naphthalene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2-Nitroaniline	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	C
3-Nitroaniline	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
4-Nitroaniline	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Nitrobenzene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
2-Nitrophenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Nitrophenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
N-Nitrosodimethylamine	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Pentachlorophenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Phenanthrene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Phenol	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Pyrene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Pyridine	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	190	ND	0.943	11/18/2010	11/23/2010	
Octachlorostyrene	EPA 8270C	10K2349	19	ND	0.943	11/18/2010	11/23/2010	
Pentachlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Phenyl disulfide	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Phenyl sulfide	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Thiophenol	EPA 8270C	10K2349	190	ND	0.943	11/18/2010	11/23/2010	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Chlorobenzenethiol	EPA 8270C	10K2349	190	ND	0.943	11/18/2010	11/23/2010	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Benzophenone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water) - cont.								
Reporting Units: ug/l								
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Diphenyl sulfone	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	9.4	ND	0.943	11/18/2010	11/23/2010	
Surrogate: 2,4,6-Tribromophenol (40-120%)				*71 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)				*66 %*				
Surrogate: 2-Fluorophenol (30-120%)				*47 %*				
Surrogate: Nitrobenzene-d5 (45-120%)				*71 %*				
Surrogate: Phenol-d6 (35-120%)				*48 %*				
Surrogate: Terphenyl-d14 (50-125%)				*31 %*				*Z*

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)								
Reporting Units: ug/kg								
Acenaphthene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Acenaphthylene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Aniline	EPA 8270C	10K2475	420	ND	1	11/19/2010	11/20/2010	
Anthracene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzo(a)anthracene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzo(a)pyrene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzo(b)fluoranthene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzo(g,h,i)perylene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzo(k)fluoranthene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzoic acid	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
Benzyl alcohol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Bromophenyl phenyl ether	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Butyl benzyl phthalate	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chloro-3-methylphenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chloroaniline	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Bis(2-chloroethyl)ether	EPA 8270C	10K2475	170	ND	1	11/19/2010	11/20/2010	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2475	330	**850**	1	11/19/2010	11/20/2010	
2-Chloronaphthalene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2-Chlorophenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Chrysene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Dibenz(a,h)anthracene	EPA 8270C	10K2475	420	ND	1	11/19/2010	11/20/2010	
Dibenzofuran	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Di-n-butyl phthalate	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
1,2-Dichlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
1,3-Dichlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
1,4-Dichlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
3,3'-Dichlorobenzidine	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
2,4-Dichlorophenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Diethyl phthalate	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2,4-Dimethylphenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Dimethyl phthalate	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2475	420	ND	1	11/19/2010	11/20/2010	
2,4-Dinitrophenol	EPA 8270C	10K2475	660	ND	1	11/19/2010	11/20/2010	
2,4-Dinitrotoluene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2,6-Dinitrotoluene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Di-n-octyl phthalate	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil) - cont.								
Reporting Units: ug/kg								
Fluoranthene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Fluorene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Hexachlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Hexachlorobutadiene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Hexachlorocyclopentadiene	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
Hexachloroethane	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Isophorone	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2-Methylnaphthalene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2-Methylphenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Methylphenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Naphthalene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2-Nitroaniline	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
3-Nitroaniline	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Nitroaniline	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
Nitrobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2-Nitrophenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Nitrophenol	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2475	250	ND	1	11/19/2010	11/20/2010	
N-Nitrosodimethylamine	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
N-Nitrosodiphenylamine	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Pentachlorophenol	EPA 8270C	10K2475	830	ND	1	11/19/2010	11/20/2010	
Phenanthrene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Phenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Pyrene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Pyridine	EPA 8270C	10K2475	200	ND	1	11/19/2010	11/20/2010	
1,2,4-Trichlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2,4,5-Trichlorophenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
2,4,6-Trichlorophenol	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
n-Hydroxymethylphthalimide	EPA 8270C	10K2475	6600	ND	1	11/19/2010	11/20/2010	C-2
Octachlorostyrene	EPA 8270C	10K2475	3300	ND	1	11/19/2010	11/20/2010	
Pentachlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Phenyl disulfide	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Phenyl sulfide	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chlorobenzenethiol	EPA 8270C	10K2475	6600	ND	1	11/19/2010	11/20/2010	
Thiophenol	EPA 8270C	10K2475	6600	ND	1	11/19/2010	11/20/2010	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
4-Chlorophenyl sulfone	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Benzophenone	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil) - cont.								
Reporting Units: ug/kg								
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Diphenyl sulfone	EPA 8270C	10K2475	6600	ND	1	11/19/2010	11/20/2010	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2475	330	ND	1	11/19/2010	11/20/2010	
Surrogate: 2,4,6-Tribromophenol (35-125%)				*83 %*				
Surrogate: 2-Fluorobiphenyl (35-120%)				*73 %*				
Surrogate: 2-Fluorophenol (25-120%)				*82 %*				
Surrogate: Nitrobenzene-d5 (30-120%)				*73 %*				
Surrogate: Phenol-d6 (35-120%)				*85 %*				
Surrogate: Terphenyl-d14 (40-135%)				*90 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil) - cont.								
Reporting Units: ug/kg								
Tentatively Identified Compounds	EPA 8270C	10K2475	1700	ND	1	11/19/2010	11/20/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
Tentatively Identified Compounds	EPA 8270C	10K2349	47	ND	0.943	11/18/2010	11/23/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)								
Reporting Units: ug/kg								
2,4'-DDD	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
2,4'-DDE	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
2,4'-DDT	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
4,4'-DDD	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
4,4'-DDE	EPA 3545/8081A	10K2686	5.0	**5.8**	1	11/21/2010	11/23/2010	
4,4'-DDT	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Aldrin	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
alpha-BHC	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
beta-BHC	EPA 3545/8081A	10K2686	5.0	**18**	1	11/21/2010	11/23/2010	
delta-BHC	EPA 3545/8081A	10K2686	10	ND	1	11/21/2010	11/23/2010	
Dieldrin	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Endosulfan I	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Endosulfan II	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Endosulfan sulfate	EPA 3545/8081A	10K2686	10	ND	1	11/21/2010	11/23/2010	
Endrin	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	M2
Endrin aldehyde	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Endrin ketone	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
gamma-BHC (Lindane)	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Heptachlor	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	M2
Heptachlor epoxide	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	
Methoxychlor	EPA 3545/8081A	10K2686	5.0	ND	1	11/21/2010	11/23/2010	M2
Chlordane	EPA 3545/8081A	10K2686	50	ND	1	11/21/2010	11/23/2010	
Toxaphene	EPA 3545/8081A	10K2686	200	ND	1	11/21/2010	11/23/2010	
Surrogate: Decachlorobiphenyl (45-120%)				*96 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)				*49 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
2,4'-DDD	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
alpha-BHC	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
delta-BHC	EPA 3510C/8081A	10K2443	0.19	ND	0.943	11/19/2010	11/20/2010	
Dieldrin	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Endosulfan I	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Endosulfan II	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.19	ND	0.943	11/19/2010	11/20/2010	
Endrin	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Endrin ketone	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Heptachlor	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Methoxychlor	EPA 3510C/8081A	10K2443	0.094	ND	0.943	11/19/2010	11/20/2010	
Chlordane	EPA 3510C/8081A	10K2443	0.94	ND	0.943	11/19/2010	11/20/2010	
Toxaphene	EPA 3510C/8081A	10K2443	4.7	ND	0.943	11/19/2010	11/20/2010	
Surrogate: Decachlorobiphenyl (45-120%)				*92 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)				*72 %*				
Sample ID: ITK1857-02RE1 (WATER 111610 - Water)								
Reporting Units: ug/l								
beta-BHC	EPA 3510C/8081A	10K2443	0.47	**1.7**	4.72	11/19/2010	11/22/2010	
Surrogate: Decachlorobiphenyl (45-120%)				*86 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)				*72 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)								
Reporting Units: mg/kg								
Mercury	EPA 7471A	10K3023	0.020	ND	1	11/23/2010	11/24/2010	
Antimony	EPA 6020	10K3176	0.99	ND	0.99	11/24/2010	11/29/2010	
Arsenic	EPA 6020	10K3176	0.50	**5.7**	0.99	11/24/2010	11/29/2010	
Barium	EPA 6020	10K3176	0.50	**150**	0.99	11/24/2010	11/29/2010	
Beryllium	EPA 6020	10K3176	0.30	**0.43**	0.99	11/24/2010	11/29/2010	
Cadmium	EPA 6020	10K3176	0.50	ND	0.99	11/24/2010	11/29/2010	
Chromium	EPA 6020	10K3176	0.99	**22**	0.99	11/24/2010	11/29/2010	
Cobalt	EPA 6020	10K3176	0.50	**5.2**	0.99	11/24/2010	11/29/2010	
Copper	EPA 6020	10K3176	0.99	**12**	0.99	11/24/2010	11/29/2010	
Lead	EPA 6020	10K3176	0.50	**6.5**	0.99	11/24/2010	11/29/2010	
Molybdenum	EPA 6020	10K3176	0.99	**1.0**	0.99	11/24/2010	11/29/2010	
Nickel	EPA 6020	10K3176	0.99	**11**	0.99	11/24/2010	11/29/2010	
Selenium	EPA 6020	10K3176	0.99	ND	0.99	11/24/2010	11/29/2010	
Silver	EPA 6020	10K3176	0.50	ND	0.99	11/24/2010	11/30/2010	
Thallium	EPA 6020	10K3176	0.50	ND	0.99	11/24/2010	11/29/2010	
Vanadium	EPA 6020	10K3176	0.99	**37**	0.99	11/24/2010	11/29/2010	
Zinc	EPA 6020	10K3176	9.9	**24**	0.99	11/24/2010	11/29/2010	
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A	10K2499	0.00020	ND	1	11/19/2010	11/19/2010	
Sample ID: ITK1857-02 (WATER 111610 - Water)								
Reporting Units: ug/l								
Antimony	EPA 6020	10K3433	2.0	ND	1	11/29/2010	11/30/2010	
Arsenic	EPA 6020	10K3433	1.0	**5.8**	1	11/29/2010	11/30/2010	
Barium	EPA 6020	10K3433	1.0	**80**	1	11/29/2010	12/1/2010	
Beryllium	EPA 6020	10K3433	0.50	ND	1	11/29/2010	11/30/2010	
Cadmium	EPA 6020	10K3433	1.0	ND	1	11/29/2010	11/30/2010	
Chromium	EPA 6020	10K3433	2.0	**3100**	1	11/29/2010	11/30/2010	
Cobalt	EPA 6020	10K3433	1.0	ND	1	11/29/2010	12/1/2010	
Copper	EPA 6020	10K3433	2.0	**5.7**	1	11/29/2010	12/1/2010	
Lead	EPA 6020	10K3433	1.0	ND	1	11/29/2010	11/30/2010	
Molybdenum	EPA 6020	10K3433	2.0	**47**	1	11/29/2010	11/30/2010	
Nickel	EPA 6020	10K3433	2.0	ND	1	11/29/2010	12/1/2010	
Selenium	EPA 6020	10K3433	2.0	**4.2**	1	11/29/2010	12/1/2010	
Silver	EPA 6020	10K3433	1.0	ND	1	11/29/2010	12/1/2010	
Thallium	EPA 6020	10K3433	1.0	ND	1	11/29/2010	11/30/2010	
Vanadium	EPA 6020	10K3433	2.0	ND	1	11/29/2010	12/1/2010	
Zinc	EPA 6020	10K3433	20	**91**	1	11/29/2010	12/1/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

160.3 MOD_0333335x

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)									
Reporting Units: %									
Percent Solids	160.3 MOD_0333335	333335	10	10	**86**	1	11/29/2010	11/30/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

SW846 8151Ax

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)									
Reporting Units: ug/kg									
2,4,5-T	SW846 8151A	328031	23	3.7	ND	1	11/24/2010	12/3/2010	
2,4,5-TP (Silvex)	SW846 8151A	328031	23	2.6	ND	1	11/24/2010	12/3/2010	
2,4-D	SW846 8151A	328031	93	42	ND	1	11/24/2010	12/3/2010	
2,4-DB	SW846 8151A	328031	93	17	ND	1	11/24/2010	12/3/2010	
Dalapon	SW846 8151A	328031	47	11	ND	1	11/24/2010	12/3/2010	
Dicamba	SW846 8151A	328031	47	13	ND	1	11/24/2010	12/3/2010	
Dichlorprop	SW846 8151A	328031	93	12	ND	1	11/24/2010	12/3/2010	
Dinoseb	SW846 8151A	328031	14	0.81	ND	1	11/24/2010	12/3/2010	
MCPA	SW846 8151A	328031	9300	690	ND	1	11/24/2010	12/3/2010	
MCPP	SW846 8151A	328031	9300	870	ND	1	11/24/2010	12/3/2010	
Surrogate: 2,4-Dichlorophenylacetic acid (19-122%)					*82 %*				
Sample ID: ITK1857-02 (WATER 111610 - Water)									
Reporting Units: ug/L									
2,4,5-T	SW846 8151A	325046	1	0.3	ND	1	11/22/2010	11/24/2010	
2,4,5-TP (Silvex)	SW846 8151A	325046	1	0.2	ND	1	11/22/2010	11/24/2010	
2,4-D	SW846 8151A	325046	4	0.41	ND	1	11/22/2010	11/24/2010	
2,4-DB	SW846 8151A	325046	4	0.69	ND	1	11/22/2010	11/24/2010	
Dalapon	SW846 8151A	325046	2	0.17	**1.6**	1	11/22/2010	11/24/2010	J
Dicamba	SW846 8151A	325046	2	0.52	ND	1	11/22/2010	11/24/2010	
Dichlorprop	SW846 8151A	325046	4	0.86	ND	1	11/22/2010	11/24/2010	
Dinoseb	SW846 8151A	325046	0.6	0.087	ND	1	11/22/2010	11/24/2010	
MCPA	SW846 8151A	325046	400	390	ND	1	11/22/2010	11/24/2010	
MCPP	SW846 8151A	325046	400	400	ND	1	11/22/2010	11/24/2010	
Surrogate: 2,4-Dichlorophenylacetic acid (32-112%)					*79 %*				

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

TCLP METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10K3459	0.0020	ND	1	0.2	11/29/2010	11/30/2010	
Arsenic	EPA 6010B	10K3195	0.20	ND	1	5.0	11/24/2010	12/1/2010	
Barium	EPA 6010B	10K3195	0.20	**0.69**	1	100.0	11/24/2010	12/1/2010	
Cadmium	EPA 6010B	10K3195	0.10	ND	1	1.0	11/24/2010	12/1/2010	
Chromium	EPA 6010B	10K3195	0.10	ND	1	5.0	11/24/2010	12/1/2010	
Lead	EPA 6010B	10K3195	0.10	ND	1	5.0	11/24/2010	12/1/2010	
Selenium	EPA 6010B	10K3195	0.10	ND	1	1.0	11/24/2010	12/1/2010	
Silver	EPA 6010B	10K3195	0.20	ND	1	5.0	11/24/2010	12/1/2010	
Sample ID: ITK1857-02 (WATER 111610 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	10K3571	0.0020	ND	1	0.2	11/30/2010	11/30/2010	
Arsenic	EPA 6010B	10K3604	0.20	ND	1	5.0	11/30/2010	12/2/2010	
Barium	EPA 6010B	10K3604	0.20	ND	1	100.0	11/30/2010	12/2/2010	
Cadmium	EPA 6010B	10K3604	0.10	ND	1	1.0	11/30/2010	12/2/2010	
Chromium	EPA 6010B	10K3604	0.10	**4.5**	1	5.0	11/30/2010	12/2/2010	
Lead	EPA 6010B	10K3604	0.10	ND	1	5.0	11/30/2010	12/2/2010	
Selenium	EPA 6010B	10K3604	0.10	**0.23**	1	1.0	11/30/2010	12/2/2010	
Silver	EPA 6010B	10K3604	0.20	ND	1	5.0	11/30/2010	12/2/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: ITK1857-01 (BIN 111610 - Soil)					
Extraction	EPA 1311-Met	10K3054	11/23/2010	11/24/2010	
Sample ID: ITK1857-02 (WATER 111610 - Water)					
Extraction	EPA 1311-Met	10K3591	11/30/2010	11/30/2010	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Blank Analyzed: 11/24/2010 (10K3091-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	2.0	ug/l							
Bromobenzene	ND	5.0	ug/l							
Bromochloromethane	ND	5.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
n-Butylbenzene	ND	2.0	ug/l							
sec-Butylbenzene	ND	5.0	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	ug/l							
tert-Butylbenzene	ND	5.0	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
2,2,3-Trimethylbutane	ND	2.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
2,2-Dimethylpentane	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
2,3-Dimethylpentane	ND	2.0	ug/l							
2,4-Dimethylpentane	ND	2.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
2-Chlorotoluene	ND	5.0	ug/l							
4-Chlorotoluene	ND	5.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
2-Methylhexane	ND	2.0	ug/l							
3,3-Dimethylpentane	ND	2.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	ug/l							
3-Ethylpentane	ND	2.0	ug/l							
3-Methylhexane	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Blank Analyzed: 11/24/2010 (10K3091-BLK1)										
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
1,3-Dichloropropane	ND	5.0	ug/l							
2,2-Dichloropropane	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
1,1-Dichloropropene	ND	2.0	ug/l							
Dimethyl disulfide	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							
Hexachlorobutadiene	ND	5.0	ug/l							
2-Hexanone	ND	10	ug/l							
n-Heptane	ND	5.0	ug/l							
Nonanal	ND	5.0	ug/l							
Isopropylbenzene	ND	2.0	ug/l							
p-Isopropyltoluene	ND	2.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	5.0	ug/l							
n-Propylbenzene	ND	2.0	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	ug/l							
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
1,2,3-Trichloropropane	ND	10	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	ug/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Blank Analyzed: 11/24/2010 (10K3091-BLK1)										
1,3,5-Trimethylbenzene	ND	2.0	ug/l							
Vinyl chloride	ND	2.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
o-Xylene	ND	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
LCS Analyzed: 11/24/2010 (10K3091-BS1)										
Acetone	24.4	10	ug/l	25.0		98	30-140			
Benzene	23.2	2.0	ug/l	25.0		93	70-120			
Bromobenzene	24.7	5.0	ug/l	25.0		99	75-120			
Bromochloromethane	25.2	5.0	ug/l	25.0		101	70-130			
Bromodichloromethane	24.5	2.0	ug/l	25.0		98	70-135			
Bromoform	23.4	5.0	ug/l	25.0		94	55-130			
Bromomethane	25.3	5.0	ug/l	25.0		101	65-140			
2-Butanone (MEK)	29.4	10	ug/l	25.0		118	40-140			
n-Butylbenzene	23.7	2.0	ug/l	25.0		95	70-130			
sec-Butylbenzene	25.0	5.0	ug/l	25.0		100	70-125			
tert-Butylbenzene	24.8	5.0	ug/l	25.0		99	70-125			
Carbon Disulfide	24.3	5.0	ug/l	25.0		97	50-130			
Carbon tetrachloride	24.9	5.0	ug/l	25.0		100	65-140			
Chlorobenzene	23.8	2.0	ug/l	25.0		95	75-120			
Chloroethane	23.1	5.0	ug/l	25.0		92	60-140			
Chloroform	23.1	2.0	ug/l	25.0		92	70-130			
Chloromethane	19.6	5.0	ug/l	25.0		78	50-140			
2-Chlorotoluene	24.1	5.0	ug/l	25.0		96	70-125			
4-Chlorotoluene	24.4	5.0	ug/l	25.0		98	75-125			
1,2-Dibromo-3-chloropropane	24.4	5.0	ug/l	25.0		98	50-135			
Dibromochloromethane	26.4	2.0	ug/l	25.0		106	70-140			
1,2-Dibromoethane (EDB)	24.0	2.0	ug/l	25.0		96	75-125			
Dibromomethane	24.6	2.0	ug/l	25.0		98	70-125			
1,2-Dichlorobenzene	25.7	2.0	ug/l	25.0		103	75-120			
1,3-Dichlorobenzene	25.1	2.0	ug/l	25.0		101	75-120			
1,4-Dichlorobenzene	25.9	2.0	ug/l	25.0		104	75-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
LCS Analyzed: 11/24/2010 (10K3091-BS1)										
Dichlorodifluoromethane	23.2	5.0	ug/l	25.0		93	35-155			
1,1-Dichloroethane	23.4	2.0	ug/l	25.0		94	70-125			
1,2-Dichloroethane	22.4	2.0	ug/l	25.0		89	60-140			
1,1-Dichloroethene	23.7	5.0	ug/l	25.0		95	70-125			
cis-1,2-Dichloroethene	25.6	2.0	ug/l	25.0		102	70-125			
trans-1,2-Dichloroethene	24.4	2.0	ug/l	25.0		97	70-125			
1,2-Dichloropropane	24.4	2.0	ug/l	25.0		98	70-125			
1,3-Dichloropropane	21.4	5.0	ug/l	25.0		86	70-120			
2,2-Dichloropropane	26.2	2.0	ug/l	25.0		105	65-140			
cis-1,3-Dichloropropene	23.5	2.0	ug/l	25.0		94	75-125			
trans-1,3-Dichloropropene	25.4	2.0	ug/l	25.0		102	70-125			
1,1-Dichloropropene	23.5	2.0	ug/l	25.0		94	75-130			
Ethylbenzene	23.0	2.0	ug/l	25.0		92	75-125			
Hexachlorobutadiene	23.1	5.0	ug/l	25.0		92	65-135			
2-Hexanone	23.8	10	ug/l	25.0		95	45-140			
Isopropylbenzene	23.1	2.0	ug/l	25.0		93	75-130			
p-Isopropyltoluene	25.0	2.0	ug/l	25.0		100	75-125			
4-Methyl-2-pentanone (MIBK)	22.9	10	ug/l	25.0		92	45-140			
Methylene chloride	23.5	5.0	ug/l	25.0		94	55-130			
Naphthalene	26.0	5.0	ug/l	25.0		104	55-135			
n-Propylbenzene	23.2	2.0	ug/l	25.0		93	75-130			
Styrene	23.9	2.0	ug/l	25.0		96	75-130			
1,1,1,2-Tetrachloroethane	24.3	5.0	ug/l	25.0		97	70-130			
1,1,2,2-Tetrachloroethane	25.3	2.0	ug/l	25.0		101	55-130			
Tetrachloroethene	23.4	2.0	ug/l	25.0		94	70-125			
Toluene	24.2	2.0	ug/l	25.0		97	70-120			
1,2,3-Trichlorobenzene	24.4	5.0	ug/l	25.0		98	65-125			
1,2,4-Trichlorobenzene	23.6	5.0	ug/l	25.0		94	70-135			
1,1,1-Trichloroethane	24.6	2.0	ug/l	25.0		98	65-135			
1,1,2-Trichloroethane	24.4	2.0	ug/l	25.0		98	70-125			
Trichloroethene	24.2	2.0	ug/l	25.0		97	70-125			
Trichlorofluoromethane	26.8	5.0	ug/l	25.0		107	65-145			
1,2,3-Trichloropropane	23.8	10	ug/l	25.0		95	60-130			
1,2,4-Trimethylbenzene	25.0	2.0	ug/l	25.0		100	75-125			
1,3,5-Trimethylbenzene	24.4	2.0	ug/l	25.0		97	75-125			
Vinyl chloride	20.7	2.0	ug/l	25.0		83	55-135			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
LCS Analyzed: 11/24/2010 (10K3091-BS1)										
m,p-Xylenes	46.9	2.0	ug/l	50.0		94	75-125			
o-Xylene	23.1	2.0	ug/l	25.0		92	75-125			
Methyl-tert-butyl Ether (MTBE)	20.6	5.0	ug/l	25.0		82	60-135			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Analyzed: 11/24/2010 (10K3091-MS1)					**Source: ITK1857-02**					
Acetone	28.4	10	ug/l	25.0	11.4	68	20-150			
Benzene	30.3	2.0	ug/l	25.0	6.88	94	65-125			
Bromobenzene	25.6	5.0	ug/l	25.0	ND	102	70-125			
Bromochloromethane	26.2	5.0	ug/l	25.0	ND	105	65-135			
Bromodichloromethane	25.2	2.0	ug/l	25.0	ND	101	70-135			
Bromoform	22.5	5.0	ug/l	25.0	ND	90	55-135			
Bromomethane	26.2	5.0	ug/l	25.0	ND	105	55-145			
2-Butanone (MEK)	22.6	10	ug/l	25.0	ND	90	30-145			
n-Butylbenzene	24.3	2.0	ug/l	25.0	ND	97	65-135			
sec-Butylbenzene	26.1	5.0	ug/l	25.0	ND	104	70-125			
tert-Butylbenzene	25.1	5.0	ug/l	25.0	ND	101	65-130			
Carbon Disulfide	25.3	5.0	ug/l	25.0	ND	101	40-140			
Carbon tetrachloride	25.5	5.0	ug/l	25.0	ND	102	65-140			
Chlorobenzene	33.3	2.0	ug/l	25.0	9.52	95	75-125			
Chloroethane	24.3	5.0	ug/l	25.0	ND	97	55-140			
Chloroform	28.0	2.0	ug/l	25.0	4.21	95	65-135			
Chloromethane	20.3	5.0	ug/l	25.0	ND	81	45-145			
2-Chlorotoluene	24.7	5.0	ug/l	25.0	ND	99	65-135			
4-Chlorotoluene	24.2	5.0	ug/l	25.0	ND	97	70-135			
1,2-Dibromo-3-chloropropane	22.0	5.0	ug/l	25.0	ND	88	45-145			
Dibromochloromethane	27.0	2.0	ug/l	25.0	ND	108	65-140			
1,2-Dibromoethane (EDB)	23.6	2.0	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.3	2.0	ug/l	25.0	ND	97	65-135			
1,2-Dichlorobenzene	28.2	2.0	ug/l	25.0	1.60	106	75-125			
1,3-Dichlorobenzene	26.5	2.0	ug/l	25.0	ND	106	75-125			
1,4-Dichlorobenzene	29.3	2.0	ug/l	25.0	2.67	106	75-125			
Dichlorodifluoromethane	24.0	5.0	ug/l	25.0	ND	96	25-155			
1,1-Dichloroethane	23.9	2.0	ug/l	25.0	ND	96	65-130			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Matrix Spike Analyzed: 11/24/2010 (10K3091-MS1)					**Source: ITK1857-02**					
1,2-Dichloroethane	22.4	2.0	ug/l	25.0	ND	90	60-140			
1,1-Dichloroethene	24.2	5.0	ug/l	25.0	ND	97	60-130			
cis-1,2-Dichloroethene	25.8	2.0	ug/l	25.0	ND	103	65-130			
trans-1,2-Dichloroethene	24.9	2.0	ug/l	25.0	ND	100	65-130			
1,2-Dichloropropane	24.7	2.0	ug/l	25.0	ND	99	65-130			
1,3-Dichloropropane	22.7	5.0	ug/l	25.0	ND	91	65-135			
2,2-Dichloropropane	28.2	2.0	ug/l	25.0	ND	113	60-145			
cis-1,3-Dichloropropene	24.6	2.0	ug/l	25.0	ND	98	70-130			
trans-1,3-Dichloropropene	25.6	2.0	ug/l	25.0	ND	102	65-135			
1,1-Dichloropropene	23.7	2.0	ug/l	25.0	ND	95	70-135			
Ethylbenzene	23.7	2.0	ug/l	25.0	ND	95	65-130			
Hexachlorobutadiene	23.7	5.0	ug/l	25.0	ND	95	60-135			
2-Hexanone	18.9	10	ug/l	25.0	ND	75	25-140			
Isopropylbenzene	24.4	2.0	ug/l	25.0	ND	98	70-135			
p-Isopropyltoluene	25.2	2.0	ug/l	25.0	ND	101	65-130			
4-Methyl-2-pentanone (MIBK)	21.1	10	ug/l	25.0	ND	84	40-140			
Methylene chloride	23.1	5.0	ug/l	25.0	ND	93	50-135			
Naphthalene	24.3	5.0	ug/l	25.0	0.540	95	50-140			
n-Propylbenzene	24.5	2.0	ug/l	25.0	ND	98	70-135			
Styrene	10.9	2.0	ug/l	25.0	ND	44	50-145			*M2*
1,1,1,2-Tetrachloroethane	25.2	5.0	ug/l	25.0	ND	101	65-140			
1,1,2,2-Tetrachloroethane	24.6	2.0	ug/l	25.0	ND	99	55-135			
Tetrachloroethene	24.1	2.0	ug/l	25.0	ND	96	65-130			
Toluene	24.9	2.0	ug/l	25.0	ND	100	70-125			
1,2,3-Trichlorobenzene	24.3	5.0	ug/l	25.0	0.620	95	60-135			
1,2,4-Trichlorobenzene	26.5	5.0	ug/l	25.0	2.53	96	65-135			
1,1,1-Trichloroethane	26.1	2.0	ug/l	25.0	ND	105	65-140			
1,1,2-Trichloroethane	25.1	2.0	ug/l	25.0	ND	100	65-130			
Trichloroethene	25.2	2.0	ug/l	25.0	ND	101	65-125			
Trichlorofluoromethane	27.7	5.0	ug/l	25.0	ND	111	60-145			
1,2,3-Trichloropropane	22.9	10	ug/l	25.0	ND	92	55-135			
1,2,4-Trimethylbenzene	24.3	2.0	ug/l	25.0	0.440	95	55-135			
1,3,5-Trimethylbenzene	24.5	2.0	ug/l	25.0	ND	98	70-130			
Vinyl chloride	21.4	2.0	ug/l	25.0	ND	86	45-140			
m,p-Xylenes	46.8	2.0	ug/l	50.0	ND	94	65-130			
o-Xylene	24.1	2.0	ug/l	25.0	ND	97	65-125			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Matrix Spike Analyzed: 11/24/2010 (10K3091-MS1)					**Source: ITK1857-02**					
Methyl-tert-butyl Ether (MTBE)	19.8	5.0	ug/l	25.0	ND	79	55-145			
Surrogate: 4-Bromofluorobenzene	*22.5*		*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 11/24/2010 (10K3091-MSD1)					**Source: ITK1857-02**					
Acetone	29.2	10	ug/l	25.0	11.4	71	20-150	3	35	
Benzene	30.8	2.0	ug/l	25.0	6.88	96	65-125	2	20	
Bromobenzene	25.0	5.0	ug/l	25.0	ND	100	70-125	2	20	
Bromochloromethane	25.6	5.0	ug/l	25.0	ND	102	65-135	2	25	
Bromodichloromethane	26.0	2.0	ug/l	25.0	ND	104	70-135	3	20	
Bromoform	23.5	5.0	ug/l	25.0	ND	94	55-135	5	25	
Bromomethane	25.7	5.0	ug/l	25.0	ND	103	55-145	2	25	
2-Butanone (MEK)	22.4	10	ug/l	25.0	ND	89	30-145	1	40	
n-Butylbenzene	24.1	2.0	ug/l	25.0	ND	97	65-135	0.6	20	
sec-Butylbenzene	25.5	5.0	ug/l	25.0	ND	102	70-125	2	20	
tert-Butylbenzene	23.8	5.0	ug/l	25.0	ND	95	65-130	5	20	
Carbon Disulfide	25.1	5.0	ug/l	25.0	ND	100	40-140	0.8	20	
Carbon tetrachloride	26.7	5.0	ug/l	25.0	ND	107	65-140	4	25	
Chlorobenzene	33.5	2.0	ug/l	25.0	9.52	96	75-125	0.7	20	
Chloroethane	23.3	5.0	ug/l	25.0	ND	93	55-140	4	25	
Chloroform	27.1	2.0	ug/l	25.0	4.21	92	65-135	3	20	
Chloromethane	19.8	5.0	ug/l	25.0	ND	79	45-145	3	25	
2-Chlorotoluene	24.0	5.0	ug/l	25.0	ND	96	65-135	3	20	
4-Chlorotoluene	24.1	5.0	ug/l	25.0	ND	96	70-135	0.5	20	
1,2-Dibromo-3-chloropropane	22.8	5.0	ug/l	25.0	ND	91	45-145	4	30	
Dibromochloromethane	27.8	2.0	ug/l	25.0	ND	111	65-140	3	25	
1,2-Dibromoethane (EDB)	24.5	2.0	ug/l	25.0	ND	98	70-130	4	25	
Dibromomethane	24.7	2.0	ug/l	25.0	ND	99	65-135	2	25	
1,2-Dichlorobenzene	28.2	2.0	ug/l	25.0	1.60	107	75-125	0.2	20	
1,3-Dichlorobenzene	26.6	2.0	ug/l	25.0	ND	106	75-125	0.2	20	
1,4-Dichlorobenzene	29.2	2.0	ug/l	25.0	2.67	106	75-125	0.2	20	
Dichlorodifluoromethane	23.3	5.0	ug/l	25.0	ND	93	25-155	3	30	
1,1-Dichloroethane	23.6	2.0	ug/l	25.0	ND	94	65-130	1	20	
1,2-Dichloroethane	23.4	2.0	ug/l	25.0	ND	94	60-140	4	20	
1,1-Dichloroethene	24.0	5.0	ug/l	25.0	ND	96	60-130	1	20	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Matrix Spike Dup Analyzed: 11/24/2010 (10K3091-MSD1)					**Source: ITK1857-02**					
cis-1,2-Dichloroethene	25.6	2.0	ug/l	25.0	ND	103	65-130	0.7	20	
trans-1,2-Dichloroethene	25.1	2.0	ug/l	25.0	ND	100	65-130	0.7	20	
1,2-Dichloropropane	24.9	2.0	ug/l	25.0	ND	99	65-130	0.5	20	
1,3-Dichloropropane	23.7	5.0	ug/l	25.0	ND	95	65-135	4	25	
2,2-Dichloropropane	26.8	2.0	ug/l	25.0	ND	107	60-145	5	25	
cis-1,3-Dichloropropene	25.0	2.0	ug/l	25.0	ND	100	70-130	2	20	
trans-1,3-Dichloropropene	26.3	2.0	ug/l	25.0	ND	105	65-135	3	25	
1,1-Dichloropropene	23.6	2.0	ug/l	25.0	ND	94	70-135	0.3	20	
Ethylbenzene	24.0	2.0	ug/l	25.0	ND	96	65-130	1	20	
Hexachlorobutadiene	24.0	5.0	ug/l	25.0	ND	96	60-135	1	20	
2-Hexanone	20.1	10	ug/l	25.0	ND	80	25-140	6	35	
Isopropylbenzene	24.1	2.0	ug/l	25.0	ND	97	70-135	1	20	
p-Isopropyltoluene	25.4	2.0	ug/l	25.0	ND	102	65-130	0.8	20	
4-Methyl-2-pentanone (MIBK)	22.4	10	ug/l	25.0	ND	90	40-140	6	35	
Methylene chloride	23.3	5.0	ug/l	25.0	ND	93	50-135	0.6	20	
Naphthalene	26.4	5.0	ug/l	25.0	0.540	104	50-140	8	30	
n-Propylbenzene	23.9	2.0	ug/l	25.0	ND	96	70-135	2	20	
Styrene	11.0	2.0	ug/l	25.0	ND	44	50-145	1	30	*M2*
1,1,1,2-Tetrachloroethane	26.1	5.0	ug/l	25.0	ND	105	65-140	4	20	
1,1,2,2-Tetrachloroethane	24.6	2.0	ug/l	25.0	ND	99	55-135	0.08	30	
Tetrachloroethene	24.2	2.0	ug/l	25.0	ND	97	65-130	0.5	20	
Toluene	25.3	2.0	ug/l	25.0	ND	101	70-125	1	20	
1,2,3-Trichlorobenzene	25.5	5.0	ug/l	25.0	0.620	100	60-135	5	20	
1,2,4-Trichlorobenzene	27.2	5.0	ug/l	25.0	2.53	99	65-135	3	20	
1,1,1-Trichloroethane	25.4	2.0	ug/l	25.0	ND	102	65-140	3	20	
1,1,2-Trichloroethane	25.7	2.0	ug/l	25.0	ND	103	65-130	3	25	
Trichloroethene	25.3	2.0	ug/l	25.0	ND	101	65-125	0.6	20	
Trichlorofluoromethane	27.4	5.0	ug/l	25.0	ND	109	60-145	1	25	
1,2,3-Trichloropropane	22.6	10	ug/l	25.0	ND	90	55-135	1	30	
1,2,4-Trimethylbenzene	24.9	2.0	ug/l	25.0	0.440	98	55-135	2	25	
1,3,5-Trimethylbenzene	23.6	2.0	ug/l	25.0	ND	94	70-130	3	20	
Vinyl chloride	22.5	2.0	ug/l	25.0	ND	90	45-140	5	30	
m,p-Xylenes	48.7	2.0	ug/l	50.0	ND	97	65-130	4	25	
o-Xylene	24.8	2.0	ug/l	25.0	ND	99	65-125	3	20	
Methyl-tert-butyl Ether (MTBE)	19.9	5.0	ug/l	25.0	ND	80	55-145	0.4	25	
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*94*	*80-120*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Matrix Spike Dup Analyzed: 11/24/2010 (10K3091-MSD1)					**Source: ITK1857-02**					
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Batch: 10K3343 Extracted: 11/29/10										
Blank Analyzed: 11/29/2010 (10K3343-BLK1)										
Acetone	ND	10	ug/kg							
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
2-Butanone (MEK)	ND	10	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
1,3,5-Trichlorobenzene	ND	2.0	ug/kg							
Carbon Disulfide	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
2,2,3-Trimethylbutane	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
2,2-Dimethylpentane	ND	2.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
2,3-Dimethylpentane	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2,4-Dimethylpentane	ND	2.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
2-Methylhexane	ND	2.0	ug/kg							
3,3-Dimethylpentane	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Blank Analyzed: 11/29/2010 (10K3343-BLK1)										
3-Ethylpentane	ND	2.0	ug/kg							
3-Methylhexane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							
Dimethyl disulfide	ND	2.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
2-Hexanone	ND	10	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
n-Heptane	ND	2.0	ug/kg							
Nonanal	ND	5.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Blank Analyzed: 11/29/2010 (10K3343-BLK1)										
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*46.8*		*ug/kg*	*50.0*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*45.6*		*ug/kg*	*50.0*		*91*	*80-125*			
Surrogate: Toluene-d8	*49.3*		*ug/kg*	*50.0*		*99*	*80-120*			
LCS Analyzed: 11/29/2010 (10K3343-BS1)										
Acetone	32.9	10	ug/kg	50.0		66	25-145			
Benzene	50.0	2.0	ug/kg	50.0		100	65-120			
Bromobenzene	48.0	5.0	ug/kg	50.0		96	70-120			
Bromochloromethane	48.1	5.0	ug/kg	50.0		96	70-135			
Bromodichloromethane	49.9	2.0	ug/kg	50.0		100	70-135			
Bromoform	50.4	5.0	ug/kg	50.0		101	55-135			
Bromomethane	42.1	5.0	ug/kg	50.0		84	60-145			
2-Butanone (MEK)	40.6	10	ug/kg	50.0		81	40-145			
n-Butylbenzene	45.6	5.0	ug/kg	50.0		91	70-130			
sec-Butylbenzene	45.2	5.0	ug/kg	50.0		90	70-125			
tert-Butylbenzene	43.8	5.0	ug/kg	50.0		88	70-125			
Carbon Disulfide	44.4	5.0	ug/kg	50.0		89	50-130			
Carbon tetrachloride	43.9	5.0	ug/kg	50.0		88	65-140			
Chlorobenzene	44.8	2.0	ug/kg	50.0		90	75-120			
Chloroethane	43.8	5.0	ug/kg	50.0		88	60-140			
Chloroform	43.3	2.0	ug/kg	50.0		87	70-130			
Chloromethane	37.6	5.0	ug/kg	50.0		75	45-145			
2-Chlorotoluene	45.1	5.0	ug/kg	50.0		90	70-125			
4-Chlorotoluene	45.4	5.0	ug/kg	50.0		91	75-125			
1,2-Dibromo-3-chloropropane	38.6	5.0	ug/kg	50.0		77	50-135			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
LCS Analyzed: 11/29/2010 (10K3343-BS1)										
Dibromochloromethane	48.6	2.0	ug/kg	50.0		97	65-140			
1,2-Dibromoethane (EDB)	45.4	2.0	ug/kg	50.0		91	70-130			
Dibromomethane	47.4	2.0	ug/kg	50.0		95	70-130			
1,2-Dichlorobenzene	48.0	2.0	ug/kg	50.0		96	75-120			
1,3-Dichlorobenzene	48.5	2.0	ug/kg	50.0		97	75-125			
1,4-Dichlorobenzene	49.2	2.0	ug/kg	50.0		98	75-120			
Dichlorodifluoromethane	29.2	5.0	ug/kg	50.0		58	35-160			
1,1-Dichloroethane	46.7	2.0	ug/kg	50.0		93	70-130			
1,2-Dichloroethane	46.6	2.0	ug/kg	50.0		93	60-140			
1,1-Dichloroethene	44.5	5.0	ug/kg	50.0		89	70-125			
cis-1,2-Dichloroethene	49.8	2.0	ug/kg	50.0		100	70-125			
trans-1,2-Dichloroethene	46.4	2.0	ug/kg	50.0		93	70-125			
1,2-Dichloropropane	52.0	2.0	ug/kg	50.0		104	70-130			
1,3-Dichloropropane	48.1	2.0	ug/kg	50.0		96	70-125			
2,2-Dichloropropane	47.6	2.0	ug/kg	50.0		95	60-145			
cis-1,3-Dichloropropene	55.2	2.0	ug/kg	50.0		110	75-125			
trans-1,3-Dichloropropene	57.5	2.0	ug/kg	50.0		115	70-135			
1,1-Dichloropropene	46.8	2.0	ug/kg	50.0		94	70-130			
Ethylbenzene	47.7	2.0	ug/kg	50.0		95	70-125			
Hexachlorobutadiene	47.3	5.0	ug/kg	50.0		95	60-135			
2-Hexanone	40.2	10	ug/kg	50.0		80	40-150			
Isopropylbenzene	43.3	2.0	ug/kg	50.0		87	75-130			
p-Isopropyltoluene	45.2	2.0	ug/kg	50.0		90	75-125			
4-Methyl-2-pentanone (MIBK)	47.2	5.0	ug/kg	50.0		94	40-145			
Methylene chloride	43.6	20	ug/kg	50.0		87	55-135			
Naphthalene	47.1	5.0	ug/kg	50.0		94	55-135			
n-Propylbenzene	44.5	2.0	ug/kg	50.0		89	70-130			
Styrene	49.0	2.0	ug/kg	50.0		98	75-130			
1,1,1,2-Tetrachloroethane	45.7	5.0	ug/kg	50.0		91	70-130			
1,1,2,2-Tetrachloroethane	43.9	2.0	ug/kg	50.0		88	55-140			
Tetrachloroethene	47.3	2.0	ug/kg	50.0		95	70-125			
Toluene	50.6	2.0	ug/kg	50.0		101	70-125			
1,2,3-Trichlorobenzene	50.2	5.0	ug/kg	50.0		100	60-130			
1,2,4-Trichlorobenzene	51.3	5.0	ug/kg	50.0		103	70-135			
1,1,1-Trichloroethane	44.6	2.0	ug/kg	50.0		89	65-135			
1,1,2-Trichloroethane	50.0	2.0	ug/kg	50.0		100	65-135			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
LCS Analyzed: 11/29/2010 (10K3343-BS1)										
Trichloroethene	44.9	2.0	ug/kg	50.0		90	70-125			
Trichlorofluoromethane	44.5	5.0	ug/kg	50.0		89	60-145			
1,2,3-Trichloropropane	40.5	10	ug/kg	50.0		81	60-135			
1,2,4-Trimethylbenzene	46.7	2.0	ug/kg	50.0		93	70-125			
1,3,5-Trimethylbenzene	46.4	2.0	ug/kg	50.0		93	70-125			
Vinyl chloride	38.0	5.0	ug/kg	50.0		76	55-135			
m,p-Xylenes	94.3	2.0	ug/kg	100		94	70-125			
o-Xylene	45.5	2.0	ug/kg	50.0		91	70-125			
Methyl-tert-butyl Ether (MTBE)	45.6	5.0	ug/kg	50.0		91	60-140			
Surrogate: 4-Bromofluorobenzene	*45.8*		*ug/kg*	*50.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*45.7*		*ug/kg*	*50.0*		*91*	*80-125*			
Surrogate: Toluene-d8	*49.0*		*ug/kg*	*50.0*		*98*	*80-120*			
Matrix Spike Analyzed: 11/29/2010 (10K3343-MS1)					**Source: ITK1857-01**					
Acetone	34.5	10	ug/kg	50.0	ND	69	20-145			
Benzene	49.0	2.0	ug/kg	50.0	ND	98	65-130			
Bromobenzene	47.3	5.0	ug/kg	50.0	ND	95	70-120			
Bromochloromethane	50.1	5.0	ug/kg	50.0	ND	100	65-145			
Bromodichloromethane	49.9	2.0	ug/kg	50.0	ND	100	65-145			
Bromoform	51.6	5.0	ug/kg	50.0	ND	103	50-145			
Bromomethane	36.1	5.0	ug/kg	50.0	ND	72	60-155			
2-Butanone (MEK)	44.5	10	ug/kg	50.0	ND	89	25-170			
n-Butylbenzene	41.9	5.0	ug/kg	50.0	ND	84	55-145			
sec-Butylbenzene	43.5	5.0	ug/kg	50.0	ND	87	60-135			
tert-Butylbenzene	42.9	5.0	ug/kg	50.0	ND	86	60-140			
Carbon Disulfide	38.1	5.0	ug/kg	50.0	ND	76	40-140			
Carbon tetrachloride	43.2	5.0	ug/kg	50.0	ND	86	60-145			
Chlorobenzene	44.9	2.0	ug/kg	50.0	ND	90	70-130			
Chloroethane	37.5	5.0	ug/kg	50.0	ND	75	60-150			
Chloroform	45.1	2.0	ug/kg	50.0	ND	90	65-135			
Chloromethane	23.1	5.0	ug/kg	50.0	ND	46	40-145			
2-Chlorotoluene	44.4	5.0	ug/kg	50.0	ND	89	60-135			
4-Chlorotoluene	45.3	5.0	ug/kg	50.0	ND	91	65-135			
1,2-Dibromo-3-chloropropane	41.4	5.0	ug/kg	50.0	ND	83	40-150			
Dibromochloromethane	47.6	2.0	ug/kg	50.0	ND	95	60-145			
1,2-Dibromoethane (EDB)	45.7	2.0	ug/kg	50.0	ND	91	65-140			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Matrix Spike Analyzed: 11/29/2010 (10K3343-MS1)					**Source: ITK1857-01**					
Dibromomethane	48.5	2.0	ug/kg	50.0	ND	97	65-140			
1,2-Dichlorobenzene	47.2	2.0	ug/kg	50.0	ND	94	70-130			
1,3-Dichlorobenzene	48.0	2.0	ug/kg	50.0	ND	96	70-130			
1,4-Dichlorobenzene	48.3	2.0	ug/kg	50.0	ND	97	70-130			
Dichlorodifluoromethane	12.1	5.0	ug/kg	50.0	ND	24	30-160			*M2*
1,1-Dichloroethane	46.9	2.0	ug/kg	50.0	ND	94	65-135			
1,2-Dichloroethane	47.4	2.0	ug/kg	50.0	ND	95	60-150			
1,1-Dichloroethene	42.9	5.0	ug/kg	50.0	ND	86	65-135			
cis-1,2-Dichloroethene	50.2	2.0	ug/kg	50.0	ND	100	65-135			
trans-1,2-Dichloroethene	46.1	2.0	ug/kg	50.0	ND	92	70-135			
1,2-Dichloropropane	50.6	2.0	ug/kg	50.0	ND	101	65-130			
1,3-Dichloropropane	47.5	2.0	ug/kg	50.0	ND	95	65-140			
2,2-Dichloropropane	47.5	2.0	ug/kg	50.0	ND	95	65-150			
cis-1,3-Dichloropropene	52.8	2.0	ug/kg	50.0	ND	106	70-135			
trans-1,3-Dichloropropene	58.5	2.0	ug/kg	50.0	ND	117	60-145			
1,1-Dichloropropene	43.9	2.0	ug/kg	50.0	ND	88	65-135			
Ethylbenzene	46.9	2.0	ug/kg	50.0	ND	94	70-135			
Hexachlorobutadiene	40.5	5.0	ug/kg	50.0	ND	81	50-145			
2-Hexanone	39.4	10	ug/kg	50.0	ND	79	35-160			
Isopropylbenzene	42.5	2.0	ug/kg	50.0	ND	85	70-145			
p-Isopropyltoluene	42.6	2.0	ug/kg	50.0	ND	85	60-140			
4-Methyl-2-pentanone (MIBK)	50.2	5.0	ug/kg	50.0	ND	100	40-155			
Methylene chloride	44.4	20	ug/kg	50.0	ND	89	55-145			
Naphthalene	42.9	5.0	ug/kg	50.0	ND	86	40-150			
n-Propylbenzene	43.6	2.0	ug/kg	50.0	ND	87	65-140			
Styrene	49.2	2.0	ug/kg	50.0	ND	98	70-140			
1,1,1,2-Tetrachloroethane	45.9	5.0	ug/kg	50.0	ND	92	65-145			
1,1,2,2-Tetrachloroethane	42.0	2.0	ug/kg	50.0	ND	84	40-160			
Tetrachloroethene	46.6	2.0	ug/kg	50.0	ND	93	65-135			
Toluene	49.5	2.0	ug/kg	50.0	ND	99	70-130			
1,2,3-Trichlorobenzene	43.8	5.0	ug/kg	50.0	ND	88	45-145			
1,2,4-Trichlorobenzene	45.8	5.0	ug/kg	50.0	1.52	89	50-140			
1,1,1-Trichloroethane	45.3	2.0	ug/kg	50.0	ND	91	65-145			
1,1,2-Trichloroethane	50.0	2.0	ug/kg	50.0	ND	100	65-140			
Trichloroethene	45.2	2.0	ug/kg	50.0	ND	90	65-140			
Trichlorofluoromethane	41.5	5.0	ug/kg	50.0	ND	83	55-155			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Matrix Spike Analyzed: 11/29/2010 (10K3343-MS1)					**Source: ITK1857-01**					
1,2,3-Trichloropropane	41.8	10	ug/kg	50.0	ND	84	50-150			
1,2,4-Trimethylbenzene	45.1	2.0	ug/kg	50.0	ND	90	65-140			
1,3,5-Trimethylbenzene	45.0	2.0	ug/kg	50.0	ND	90	65-135			
Vinyl chloride	28.9	5.0	ug/kg	50.0	ND	58	55-140			
m,p-Xylenes	92.0	2.0	ug/kg	100	ND	92	70-130			
o-Xylene	45.7	2.0	ug/kg	50.0	ND	91	65-130			
Methyl-tert-butyl Ether (MTBE)	49.3	5.0	ug/kg	50.0	ND	99	55-155			
Surrogate: 4-Bromofluorobenzene	*46.5*		*ug/kg*	*50.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/kg*	*50.0*		*98*	*80-125*			
Surrogate: Toluene-d8	*49.8*		*ug/kg*	*50.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 11/29/2010 (10K3343-MSD1)					**Source: ITK1857-01**					
Acetone	35.3	10	ug/kg	49.9	ND	71	20-145	2	40	
Benzene	48.7	2.0	ug/kg	49.9	ND	98	65-130	0.5	20	
Bromobenzene	46.5	5.0	ug/kg	49.9	ND	93	70-120	2	30	
Bromochloromethane	53.0	5.0	ug/kg	49.9	ND	106	65-145	6	25	
Bromodichloromethane	48.7	2.0	ug/kg	49.9	ND	98	65-145	2	20	
Bromoform	50.9	5.0	ug/kg	49.9	ND	102	50-145	1	30	
Bromomethane	35.2	5.0	ug/kg	49.9	ND	70	60-155	3	25	
2-Butanone (MEK)	40.5	10	ug/kg	49.9	ND	81	25-170	9	40	
n-Butylbenzene	43.4	5.0	ug/kg	49.9	ND	87	55-145	4	30	
sec-Butylbenzene	44.0	5.0	ug/kg	49.9	ND	88	60-135	1	25	
tert-Butylbenzene	42.2	5.0	ug/kg	49.9	ND	84	60-140	2	25	
Carbon Disulfide	38.7	5.0	ug/kg	49.9	ND	78	40-140	2	20	
Carbon tetrachloride	43.0	5.0	ug/kg	49.9	ND	86	60-145	0.5	25	
Chlorobenzene	44.7	2.0	ug/kg	49.9	ND	90	70-130	0.3	25	
Chloroethane	39.2	5.0	ug/kg	49.9	ND	79	60-150	5	25	
Chloroform	46.7	2.0	ug/kg	49.9	ND	94	65-135	3	20	
Chloromethane	24.4	5.0	ug/kg	49.9	ND	49	40-145	6	25	
2-Chlorotoluene	44.0	5.0	ug/kg	49.9	ND	88	60-135	1	25	
4-Chlorotoluene	45.2	5.0	ug/kg	49.9	ND	91	65-135	0.07	25	
1,2-Dibromo-3-chloropropane	40.3	5.0	ug/kg	49.9	ND	81	40-150	3	30	
Dibromochloromethane	48.4	2.0	ug/kg	49.9	ND	97	60-145	2	25	
1,2-Dibromoethane (EDB)	45.5	2.0	ug/kg	49.9	ND	91	65-140	0.5	25	
Dibromomethane	49.0	2.0	ug/kg	49.9	ND	98	65-140	1	25	
1,2-Dichlorobenzene	47.1	2.0	ug/kg	49.9	ND	94	70-130	0.3	25	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Matrix Spike Dup Analyzed: 11/29/2010 (10K3343-MSD1)					**Source: ITK1857-01**					
1,3-Dichlorobenzene	47.8	2.0	ug/kg	49.9	ND	96	70-130	0.4	25	
1,4-Dichlorobenzene	48.3	2.0	ug/kg	49.9	ND	97	70-130	0.007	25	
Dichlorodifluoromethane	12.1	5.0	ug/kg	49.9	ND	24	30-160	0.1	35	*M2*
1,1-Dichloroethane	49.0	2.0	ug/kg	49.9	ND	98	65-135	5	25	
1,2-Dichloroethane	45.5	2.0	ug/kg	49.9	ND	91	60-150	4	25	
1,1-Dichloroethene	44.0	5.0	ug/kg	49.9	ND	88	65-135	3	25	
cis-1,2-Dichloroethene	52.2	2.0	ug/kg	49.9	ND	105	65-135	4	25	
trans-1,2-Dichloroethene	48.3	2.0	ug/kg	49.9	ND	97	70-135	5	25	
1,2-Dichloropropane	51.0	2.0	ug/kg	49.9	ND	102	65-130	0.7	20	
1,3-Dichloropropane	46.7	2.0	ug/kg	49.9	ND	94	65-140	2	25	
2,2-Dichloropropane	48.9	2.0	ug/kg	49.9	ND	98	65-150	3	25	
cis-1,3-Dichloropropene	54.4	2.0	ug/kg	49.9	ND	109	70-135	3	25	
trans-1,3-Dichloropropene	58.2	2.0	ug/kg	49.9	ND	117	60-145	0.4	25	
1,1-Dichloropropene	44.9	2.0	ug/kg	49.9	ND	90	65-135	2	20	
Ethylbenzene	46.7	2.0	ug/kg	49.9	ND	94	70-135	0.3	25	
Hexachlorobutadiene	39.3	5.0	ug/kg	49.9	ND	79	50-145	3	35	
2-Hexanone	37.5	10	ug/kg	49.9	ND	75	35-160	5	40	
Isopropylbenzene	42.7	2.0	ug/kg	49.9	ND	86	70-145	0.4	25	
p-Isopropyltoluene	43.3	2.0	ug/kg	49.9	ND	87	60-140	2	25	
4-Methyl-2-pentanone (MIBK)	50.5	5.0	ug/kg	49.9	ND	101	40-155	0.7	40	
Methylene chloride	45.4	20	ug/kg	49.9	ND	91	55-145	2	25	
Naphthalene	44.7	5.0	ug/kg	49.9	ND	90	40-150	4	40	
n-Propylbenzene	43.9	2.0	ug/kg	49.9	ND	88	65-140	0.6	25	
Styrene	49.2	2.0	ug/kg	49.9	ND	99	70-140	0.04	25	
1,1,1,2-Tetrachloroethane	46.4	5.0	ug/kg	49.9	ND	93	65-145	1	20	
1,1,2,2-Tetrachloroethane	40.8	2.0	ug/kg	49.9	ND	82	40-160	3	30	
Tetrachloroethene	45.8	2.0	ug/kg	49.9	ND	92	65-135	2	25	
Toluene	49.8	2.0	ug/kg	49.9	ND	100	70-130	0.6	20	
1,2,3-Trichlorobenzene	44.2	5.0	ug/kg	49.9	ND	89	45-145	0.8	30	
1,2,4-Trichlorobenzene	46.5	5.0	ug/kg	49.9	1.52	90	50-140	2	30	
1,1,1-Trichloroethane	46.8	2.0	ug/kg	49.9	ND	94	65-145	3	20	
1,1,2-Trichloroethane	49.4	2.0	ug/kg	49.9	ND	99	65-140	1	30	
Trichloroethene	46.2	2.0	ug/kg	49.9	ND	93	65-140	2	25	
Trichlorofluoromethane	42.6	5.0	ug/kg	49.9	ND	85	55-155	3	25	
1,2,3-Trichloropropane	41.3	10	ug/kg	49.9	ND	83	50-150	1	30	
1,2,4-Trimethylbenzene	46.1	2.0	ug/kg	49.9	ND	92	65-140	2	25	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3343 Extracted: 11/29/10										
Matrix Spike Dup Analyzed: 11/29/2010 (10K3343-MSD1)					**Source: ITK1857-01**					
1,3,5-Trimethylbenzene	45.6	2.0	ug/kg	49.9	ND	91	65-135	1	25	
Vinyl chloride	29.4	5.0	ug/kg	49.9	ND	59	55-140	2	30	
m,p-Xylenes	91.2	2.0	ug/kg	99.8	ND	91	70-130	0.9	25	
o-Xylene	44.9	2.0	ug/kg	49.9	ND	90	65-130	2	25	
Methyl-tert-butyl Ether (MTBE)	48.5	5.0	ug/kg	49.9	ND	97	55-155	2	35	
Surrogate: 4-Bromofluorobenzene	*47.1*		*ug/kg*	*49.9*		*94*	*80-120*			
Surrogate: Dibromofluoromethane	*47.8*		*ug/kg*	*49.9*		*96*	*80-125*			
Surrogate: Toluene-d8	*48.8*		*ug/kg*	*49.9*		*98*	*80-120*			
Batch: 10K3516 Extracted: 11/30/10										
Blank Analyzed: 11/30/2010 (10K3516-BLK1)										
Naphthalene	ND	5.0	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
LCS Analyzed: 11/30/2010 (10K3516-BS1)										
Naphthalene	21.3	5.0	ug/l	25.0		85	55-135			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Analyzed: 11/30/2010 (10K3516-MS1)					**Source: ITK2421-04**					
Naphthalene	24.0	5.0	ug/l	25.0	ND	96	50-140			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3516 Extracted: 11/30/10										
Matrix Spike Dup Analyzed: 11/30/2010 (10K3516-MSD1)					**Source: ITK2421-04**					
Naphthalene	23.0	5.0	ug/l	25.0	ND	92	50-140	4	30	
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3091 Extracted: 11/24/10										
Blank Analyzed: 11/24/2010 (10K3091-BLK1)										
Tentatively Identified Compounds	ND	120	ug/l							
Batch: 10K3343 Extracted: 11/29/10										
Blank Analyzed: 11/29/2010 (10K3343-BLK1)										
Tentatively Identified Compounds	ND	120	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Blank Analyzed: 11/23/2010 (10K2349-BLK1)										
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Benzo(a)anthracene	ND	10	ug/l							
Benzo(a)pyrene	ND	10	ug/l							
Benzo(b)fluoranthene	ND	10	ug/l							
Benzo(g,h,i)perylene	ND	10	ug/l							
Benzo(k)fluoranthene	ND	10	ug/l							
Benzoic acid	ND	20	ug/l							
Benzyl alcohol	ND	20	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	20	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
4-Chloroaniline	ND	10	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	ug/l							
2-Chloronaphthalene	ND	10	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							
Dibenz(a,h)anthracene	ND	20	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	20	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
2,2'-/4,4'-Dichlorobenzil	ND	10	ug/l							
3,3'-Dichlorobenzidine	ND	20	ug/l							
2,4-Dichlorophenol	ND	10	ug/l							
Diethyl phthalate	ND	10	ug/l							
2,4-Dimethylphenol	ND	20	ug/l							
Dimethyl phthalate	ND	10	ug/l							
4,6-Dinitro-2-methylphenol	ND	20	ug/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Blank Analyzed: 11/23/2010 (10K2349-BLK1)										
2,4-Dinitrophenol	ND	20	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Di-n-octyl phthalate	ND	20	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	20	ug/l							
Hexachloroethane	ND	10	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	ug/l							
Isophorone	ND	10	ug/l							
2-Methylnaphthalene	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	10	ug/l							
2-Nitroaniline	ND	20	ug/l							
3-Nitroaniline	ND	20	ug/l							
4-Nitroaniline	ND	20	ug/l							
Nitrobenzene	ND	20	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	20	ug/l							
N-Nitroso-di-n-propylamine	ND	10	ug/l							
N-Nitrosodimethylamine	ND	20	ug/l							
N-Nitrosodiphenylamine	ND	10	ug/l							
Pentachlorophenol	ND	20	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
Pyrene	ND	10	ug/l							
Pyridine	ND	20	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	20	ug/l							
2,4,6-Trichlorophenol	ND	20	ug/l							
n-Hydroxymethylphthalimide	ND	200	ug/l							
Octachlorostyrene	ND	20	ug/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Blank Analyzed: 11/23/2010 (10K2349-BLK1)										
Pentachlorobenzene	ND	10	ug/l							
Phenyl disulfide	ND	10	ug/l							
Phenyl sulfide	ND	10	ug/l							
Thiophenol	ND	200	ug/l							
4,4'-Dichlorobenzophenone	ND	10	ug/l							
4-Chlorobenzenethiol	ND	200	ug/l							
4-Chlorophenyl methyl sulfide	ND	10	ug/l							
4-Chlorophenyl methyl sulfone	ND	10	ug/l							
4-Chlorophenyl sulfone	ND	10	ug/l							
Benzophenone	ND	10	ug/l							
bis(4-chlorophenyl)disulfide	ND	10	ug/l							
Diphenyl sulfone	ND	10	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/l							
Surrogate: 2,4,6-Tribromophenol	*181*		*ug/l*	*200*		*91*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*74.1*		*ug/l*	*100*		*74*	*50-120*			
Surrogate: 2-Fluorophenol	*146*		*ug/l*	*200*		*73*	*30-120*			
Surrogate: Nitrobenzene-d5	*77.0*		*ug/l*	*100*		*77*	*45-120*			
Surrogate: Phenol-d6	*159*		*ug/l*	*200*		*79*	*35-120*			
Surrogate: Terphenyl-d14	*86.7*		*ug/l*	*100*		*87*	*50-125*			
LCS Analyzed: 11/23/2010 (10K2349-BS1)										
Acenaphthene	81.7	10	ug/l	100		82	60-120			
Acenaphthylene	89.7	10	ug/l	100		90	60-120			
Aniline	80.4	10	ug/l	100		80	35-120			
Anthracene	90.8	10	ug/l	100		91	65-120			
Benzo(a)anthracene	89.4	10	ug/l	100		89	65-120			
Benzo(a)pyrene	91.3	10	ug/l	100		91	55-130			
Benzo(b)fluoranthene	89.8	10	ug/l	100		90	55-125			
Benzo(g,h,i)perylene	90.8	10	ug/l	100		91	45-135			
Benzo(k)fluoranthene	92.4	10	ug/l	100		92	50-125			
Benzoic acid	58.4	20	ug/l	100		58	25-120			
Benzyl alcohol	78.2	20	ug/l	100		78	50-120			
4-Bromophenyl phenyl ether	94.3	10	ug/l	100		94	60-120			
Butyl benzyl phthalate	81.4	20	ug/l	100		81	55-130			
4-Chloro-3-methylphenol	98.5	20	ug/l	100		98	60-120			
4-Chloroaniline	82.7	10	ug/l	100		83	55-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
LCS Analyzed: 11/23/2010 (10K2349-BS1)										
Bis(2-chloroethoxy)methane	83.9	10	ug/l	100		84	55-120			
Bis(2-chloroethyl)ether	77.1	10	ug/l	100		77	50-120			
Bis(2-chloroisopropyl)ether	64.8	10	ug/l	100		65	45-120			
Bis(2-ethylhexyl)phthalate	97.9	50	ug/l	100		98	65-130			
2-Chloronaphthalene	79.6	10	ug/l	100		80	60-120			
2-Chlorophenol	70.3	10	ug/l	100		70	45-120			
4-Chlorophenyl phenyl ether	102	10	ug/l	100		102	65-120			
Chrysene	87.7	10	ug/l	100		88	65-120			
Dibenz(a,h)anthracene	89.5	20	ug/l	100		90	50-135			
Dibenzofuran	88.7	10	ug/l	100		89	65-120			
Di-n-butyl phthalate	96.5	20	ug/l	100		96	60-125			
1,2-Dichlorobenzene	63.5	10	ug/l	100		64	40-120			
1,3-Dichlorobenzene	56.9	10	ug/l	100		57	35-120			
1,4-Dichlorobenzene	59.7	10	ug/l	100		60	35-120			
2,2'-/4,4'-Dichlorobenzil	96.1	10	ug/l	100		96	50-130			
3,3'-Dichlorobenzidine	72.0	20	ug/l	100		72	45-135			
2,4-Dichlorophenol	79.3	10	ug/l	100		79	55-120			
Diethyl phthalate	103	10	ug/l	100		103	55-120			
2,4-Dimethylphenol	67.2	20	ug/l	100		67	40-120			
Dimethyl phthalate	96.5	10	ug/l	100		96	30-120			
4,6-Dinitro-2-methylphenol	94.0	20	ug/l	100		94	45-120			
2,4-Dinitrophenol	86.1	20	ug/l	100		86	40-120			
2,4-Dinitrotoluene	105	10	ug/l	100		105	65-120			
2,6-Dinitrotoluene	96.7	10	ug/l	100		97	65-120			
Di-n-octyl phthalate	92.3	20	ug/l	100		92	65-135			
1,2-Diphenylhydrazine/Azobenzene	96.0	20	ug/l	100		96	60-120			
Fluoranthene	88.5	10	ug/l	100		88	60-120			
Fluorene	98.0	10	ug/l	100		98	65-120			
Hexachlorobenzene	92.1	10	ug/l	100		92	60-120			
Hexachlorobutadiene	68.1	10	ug/l	100		68	40-120			
Hexachlorocyclopentadiene	47.6	20	ug/l	100		48	25-120			
Hexachloroethane	56.8	10	ug/l	100		57	35-120			
Indeno(1,2,3-cd)pyrene	88.9	20	ug/l	100		89	45-135			
Isophorone	92.1	10	ug/l	100		92	50-120			
2-Methylnaphthalene	85.1	10	ug/l	100		85	55-120			
2-Methylphenol	77.7	10	ug/l	100		78	50-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
LCS Analyzed: 11/23/2010 (10K2349-BS1)										
4-Methylphenol	83.8	10	ug/l	100		84	50-120			
Naphthalene	76.4	10	ug/l	100		76	55-120			
2-Nitroaniline	91.3	20	ug/l	100		91	65-120			
3-Nitroaniline	93.1	20	ug/l	100		93	60-120			
4-Nitroaniline	99.4	20	ug/l	100		99	55-125			
Nitrobenzene	82.1	20	ug/l	100		82	55-120			
2-Nitrophenol	75.4	10	ug/l	100		75	50-120			
4-Nitrophenol	115	20	ug/l	100		115	45-120			
N-Nitroso-di-n-propylamine	93.4	10	ug/l	100		93	45-120			
N-Nitrosodimethylamine	64.7	20	ug/l	100		65	45-120			
N-Nitrosodiphenylamine	94.5	10	ug/l	100		95	60-120			
Pentachlorophenol	97.0	20	ug/l	100		97	24-121			
Phenanthrene	90.0	10	ug/l	100		90	65-120			
Phenol	69.6	10	ug/l	100		70	40-120			
Pyrene	93.8	10	ug/l	100		94	55-125			
Pyridine	51.7	20	ug/l	100		52	30-120			
1,2,4-Trichlorobenzene	68.3	10	ug/l	100		68	45-120			
2,4,5-Trichlorophenol	83.2	20	ug/l	100		83	55-120			
2,4,6-Trichlorophenol	80.8	20	ug/l	100		81	55-120			
Surrogate: 2,4,6-Tribromophenol	*178*		*ug/l*	*200*		*89*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*79.0*		*ug/l*	*100*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*141*		*ug/l*	*200*		*71*	*30-120*			
Surrogate: Nitrobenzene-d5	*78.8*		*ug/l*	*100*		*79*	*45-120*			
Surrogate: Phenol-d6	*136*		*ug/l*	*200*		*68*	*35-120*			
Surrogate: Terphenyl-d14	*90.9*		*ug/l*	*100*		*91*	*50-125*			
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**					
Acenaphthene	55.6	9.5	ug/l	95.2	ND	58	60-120			*M2*
Acenaphthylene	47.2	9.5	ug/l	95.2	ND	50	60-120			*M2*
Aniline	ND	9.5	ug/l	95.2	ND		35-120			*M2*
Anthracene	67.8	9.5	ug/l	95.2	ND	71	65-120			
Benzo(a)anthracene	80.1	9.5	ug/l	95.2	ND	84	65-120			
Benzo(a)pyrene	71.8	9.5	ug/l	95.2	ND	75	55-130			
Benzo(b)fluoranthene	90.1	9.5	ug/l	95.2	ND	95	55-125			
Benzo(g,h,i)perylene	90.4	9.5	ug/l	95.2	ND	95	45-135			
Benzo(k)fluoranthene	90.9	9.5	ug/l	95.2	ND	95	55-125			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**					
Benzoic acid	63.5	19	ug/l	95.2	ND	67	25-125			
Benzyl alcohol	80.5	19	ug/l	95.2	ND	85	40-120			
4-Bromophenyl phenyl ether	94.6	9.5	ug/l	95.2	ND	99	60-120			
Butyl benzyl phthalate	77.8	19	ug/l	95.2	ND	82	55-130			
4-Chloro-3-methylphenol	37.9	19	ug/l	95.2	ND	40	60-120			*M2*
4-Chloroaniline	ND	9.5	ug/l	95.2	ND		55-120			*M2*
Bis(2-chloroethoxy)methane	80.7	9.5	ug/l	95.2	ND	85	50-120			
Bis(2-chloroethyl)ether	72.4	9.5	ug/l	95.2	ND	76	50-120			
Bis(2-chloroisopropyl)ether	75.8	9.5	ug/l	95.2	ND	80	45-120			
Bis(2-ethylhexyl)phthalate	94.2	48	ug/l	95.2	ND	99	65-130			
2-Chloronaphthalene	72.6	9.5	ug/l	95.2	ND	76	60-120			
2-Chlorophenol	50.2	9.5	ug/l	95.2	ND	53	45-120			
4-Chlorophenyl phenyl ether	93.7	9.5	ug/l	95.2	ND	98	65-120			
Chrysene	83.5	9.5	ug/l	95.2	ND	88	65-120			
Dibenz(a,h)anthracene	85.8	19	ug/l	95.2	ND	90	45-135			
Dibenzofuran	81.4	9.5	ug/l	95.2	ND	86	65-120			
Di-n-butyl phthalate	94.6	19	ug/l	95.2	ND	99	60-125			
1,2-Dichlorobenzene	109	9.5	ug/l	95.2	ND	114	40-120			
1,3-Dichlorobenzene	65.3	9.5	ug/l	95.2	ND	69	35-120			
1,4-Dichlorobenzene	62.8	9.5	ug/l	95.2	ND	66	35-120			
2,2'-/4,4'-Dichlorobenzil	77.2	9.5	ug/l	95.2	ND	81	50-130			
3,3'-Dichlorobenzidine	ND	19	ug/l	95.2	ND		45-135			*M2*
2,4-Dichlorophenol	60.7	9.5	ug/l	95.2	ND	64	55-120			
Diethyl phthalate	94.4	9.5	ug/l	95.2	ND	99	55-120			
2,4-Dimethylphenol	ND	19	ug/l	95.2	ND		40-120			*M2*
Dimethyl phthalate	89.1	9.5	ug/l	95.2	ND	94	30-120			
4,6-Dinitro-2-methylphenol	104	19	ug/l	95.2	ND	109	45-120			
2,4-Dinitrophenol	75.9	19	ug/l	95.2	ND	80	40-120			
2,4-Dinitrotoluene	95.0	9.5	ug/l	95.2	ND	100	65-120			
2,6-Dinitrotoluene	89.5	9.5	ug/l	95.2	ND	94	65-120			
Di-n-octyl phthalate	90.0	19	ug/l	95.2	ND	95	65-135			
1,2-Diphenylhydrazine/Azobenzene	80.2	19	ug/l	95.2	ND	84	60-120			
Fluoranthene	82.9	9.5	ug/l	95.2	ND	87	60-120			
Fluorene	87.8	9.5	ug/l	95.2	ND	92	65-120			
Hexachlorobenzene	93.8	9.5	ug/l	95.2	ND	99	60-120			
Hexachlorobutadiene	71.4	9.5	ug/l	95.2	ND	75	40-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**					
Hexachlorocyclopentadiene	57.0	19	ug/l	95.2	ND	60	25-120			
Hexachloroethane	70.1	9.5	ug/l	95.2	ND	74	35-120			
Indeno(1,2,3-cd)pyrene	86.6	19	ug/l	95.2	ND	91	40-135			
Isophorone	101	9.5	ug/l	95.2	ND	106	50-120			
2-Methylnaphthalene	54.5	9.5	ug/l	95.2	ND	57	55-120			
2-Methylphenol	13.4	9.5	ug/l	95.2	ND	14	50-120			*M2*
4-Methylphenol	13.1	9.5	ug/l	95.2	ND	14	50-120			*M2*
Naphthalene	61.0	9.5	ug/l	95.2	ND	64	55-120			
2-Nitroaniline	27.7	19	ug/l	95.2	ND	29	65-120			*M2*
3-Nitroaniline	4.74	19	ug/l	95.2	ND	5	60-120			*M2*
4-Nitroaniline	9.35	19	ug/l	95.2	ND	10	55-125			*M2*
Nitrobenzene	195	19	ug/l	95.2	ND	205	55-120			*M1*
2-Nitrophenol	88.2	9.5	ug/l	95.2	ND	93	50-120			
4-Nitrophenol	128	19	ug/l	95.2	ND	134	45-120			*M1*
N-Nitroso-di-n-propylamine	106	9.5	ug/l	95.2	ND	111	45-120			
N-Nitrosodimethylamine	56.3	19	ug/l	95.2	ND	59	45-120			
N-Nitrosodiphenylamine	32.3	9.5	ug/l	95.2	ND	34	60-120			*M2*
Pentachlorophenol	93.4	19	ug/l	95.2	ND	98	24-121			
Phenanthrene	79.3	9.5	ug/l	95.2	ND	83	65-120			
Phenol	10.6	9.5	ug/l	95.2	ND	11	40-120			*M2*
Pyrene	66.8	9.5	ug/l	95.2	ND	70	55-125			
Pyridine	44.0	19	ug/l	95.2	ND	46	30-120			
1,2,4-Trichlorobenzene	70.6	9.5	ug/l	95.2	ND	74	45-120			
2,4,5-Trichlorophenol	73.0	19	ug/l	95.2	ND	77	55-120			
2,4,6-Trichlorophenol	78.1	19	ug/l	95.2	ND	82	55-120			
Surrogate: 2,4,6-Tribromophenol	*102*		*ug/l*	*190*		*54*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*75.5*		*ug/l*	*95.2*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*59.9*		*ug/l*	*190*		*31*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.3*		*ug/l*	*95.2*		*92*	*45-120*			
Surrogate: Phenol-d6	*14.3*		*ug/l*	*190*		*8*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*46.6*		*ug/l*	*95.2*		*49*	*50-125*			*Z*

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**					
Acenaphthene	55.9	9.5	ug/l	95.2	ND	59	60-120	0.4	25	*M2*
Acenaphthylene	54.9	9.5	ug/l	95.2	ND	58	60-120	15	25	*M2*
Aniline	ND	9.5	ug/l	95.2	ND		35-120		30	*M2*
Anthracene	63.4	9.5	ug/l	95.2	ND	67	65-120	7	25	
Benzo(a)anthracene	78.2	9.5	ug/l	95.2	ND	82	65-120	2	20	
Benzo(a)pyrene	66.0	9.5	ug/l	95.2	ND	69	55-130	8	25	
Benzo(b)fluoranthene	84.0	9.5	ug/l	95.2	ND	88	55-125	7	25	
Benzo(g,h,i)perylene	87.0	9.5	ug/l	95.2	ND	91	45-135	4	30	
Benzo(k)fluoranthene	90.2	9.5	ug/l	95.2	ND	95	55-125	0.7	30	
Benzoic acid	59.2	19	ug/l	95.2	ND	62	25-125	7	30	
Benzyl alcohol	76.2	19	ug/l	95.2	ND	80	40-120	5	30	
4-Bromophenyl phenyl ether	91.0	9.5	ug/l	95.2	ND	96	60-120	4	25	
Butyl benzyl phthalate	75.1	19	ug/l	95.2	ND	79	55-130	4	25	
4-Chloro-3-methylphenol	33.9	19	ug/l	95.2	ND	36	60-120	11	25	*M2*
4-Chloroaniline	ND	9.5	ug/l	95.2	ND		55-120		25	*M2*
Bis(2-chloroethoxy)methane	77.1	9.5	ug/l	95.2	ND	81	50-120	5	25	
Bis(2-chloroethyl)ether	72.0	9.5	ug/l	95.2	ND	76	50-120	0.6	25	
Bis(2-chloroisopropyl)ether	59.4	9.5	ug/l	95.2	ND	62	45-120	24	25	
Bis(2-ethylhexyl)phthalate	89.5	48	ug/l	95.2	ND	94	65-130	5	25	
2-Chloronaphthalene	80.8	9.5	ug/l	95.2	ND	85	60-120	11	20	
2-Chlorophenol	46.7	9.5	ug/l	95.2	ND	49	45-120	7	25	
4-Chlorophenyl phenyl ether	90.3	9.5	ug/l	95.2	ND	95	65-120	4	25	
Chrysene	79.5	9.5	ug/l	95.2	ND	83	65-120	5	25	
Dibenz(a,h)anthracene	83.0	19	ug/l	95.2	ND	87	45-135	3	30	
Dibenzofuran	78.6	9.5	ug/l	95.2	ND	83	65-120	4	25	
Di-n-butyl phthalate	95.2	19	ug/l	95.2	ND	100	60-125	0.6	25	
1,2-Dichlorobenzene	99.4	9.5	ug/l	95.2	ND	104	40-120	9	25	
1,3-Dichlorobenzene	65.4	9.5	ug/l	95.2	ND	69	35-120	0.1	25	
1,4-Dichlorobenzene	62.9	9.5	ug/l	95.2	ND	66	35-120	0.2	25	
2,2'-/4,4'-Dichlorobenzil	73.3	9.5	ug/l	95.2	ND	77	50-130	5	30	
3,3'-Dichlorobenzidine	ND	19	ug/l	95.2	ND		45-135		25	*M2*
2,4-Dichlorophenol	54.9	9.5	ug/l	95.2	ND	58	55-120	10	25	
Diethyl phthalate	93.8	9.5	ug/l	95.2	ND	98	55-120	0.6	30	
2,4-Dimethylphenol	ND	19	ug/l	95.2	ND		40-120		25	*M2*
Dimethyl phthalate	99.8	9.5	ug/l	95.2	ND	105	30-120	11	30	
4,6-Dinitro-2-methylphenol	96.6	19	ug/l	95.2	ND	101	45-120	7	25	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**					
2,4-Dinitrophenol	65.1	19	ug/l	95.2	ND	68	40-120	15	25	
2,4-Dinitrotoluene	94.3	9.5	ug/l	95.2	ND	99	65-120	0.7	25	
2,6-Dinitrotoluene	101	9.5	ug/l	95.2	ND	106	65-120	12	20	
Di-n-octyl phthalate	86.6	19	ug/l	95.2	ND	91	65-135	4	20	
1,2-Diphenylhydrazine/Azobenzene	77.8	19	ug/l	95.2	ND	82	60-120	3	25	
Fluoranthene	84.6	9.5	ug/l	95.2	ND	89	60-120	2	25	
Fluorene	85.0	9.5	ug/l	95.2	ND	89	65-120	3	25	
Hexachlorobenzene	89.7	9.5	ug/l	95.2	ND	94	60-120	5	25	
Hexachlorobutadiene	70.7	9.5	ug/l	95.2	ND	74	40-120	1	25	
Hexachlorocyclopentadiene	61.8	19	ug/l	95.2	ND	65	25-120	8	30	
Hexachloroethane	61.7	9.5	ug/l	95.2	ND	65	35-120	13	25	
Indeno(1,2,3-cd)pyrene	81.4	19	ug/l	95.2	ND	85	40-135	6	30	
Isophorone	82.6	9.5	ug/l	95.2	ND	87	50-120	20	25	
2-Methylnaphthalene	63.7	9.5	ug/l	95.2	ND	67	55-120	16	20	
2-Methylphenol	9.77	9.5	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3*
4-Methylphenol	9.43	9.5	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3*
Naphthalene	57.5	9.5	ug/l	95.2	ND	60	55-120	6	25	
2-Nitroaniline	29.5	19	ug/l	95.2	ND	31	65-120	6	25	*M2*
3-Nitroaniline	ND	19	ug/l	95.2	ND		60-120		25	*M2*
4-Nitroaniline	5.28	19	ug/l	95.2	ND	6	55-125	56	25	*M2, R-3*
Nitrobenzene	169	19	ug/l	95.2	ND	177	55-120	15	25	*M1*
2-Nitrophenol	72.2	9.5	ug/l	95.2	ND	76	50-120	20	25	
4-Nitrophenol	111	19	ug/l	95.2	ND	117	45-120	14	30	
N-Nitroso-di-n-propylamine	86.7	9.5	ug/l	95.2	ND	91	45-120	20	25	
N-Nitrosodimethylamine	57.8	19	ug/l	95.2	ND	61	45-120	3	25	
N-Nitrosodiphenylamine	11.2	9.5	ug/l	95.2	ND	12	60-120	97	25	*M2, R-3*
Pentachlorophenol	88.5	19	ug/l	95.2	ND	93	24-121	5	25	
Phenanthrene	77.8	9.5	ug/l	95.2	ND	82	65-120	2	25	
Phenol	7.14	9.5	ug/l	95.2	ND	8	40-120	39	25	*M2, R-3*
Pyrene	64.7	9.5	ug/l	95.2	ND	68	55-125	3	25	
Pyridine	46.8	19	ug/l	95.2	ND	49	30-120	6	30	
1,2,4-Trichlorobenzene	68.6	9.5	ug/l	95.2	ND	72	45-120	3	20	
2,4,5-Trichlorophenol	77.3	19	ug/l	95.2	ND	81	55-120	6	30	
2,4,6-Trichlorophenol	83.9	19	ug/l	95.2	ND	88	55-120	7	30	
Surrogate: 2,4,6-Tribromophenol	*91.2*		*ug/l*	*190*		*48*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*84.0*		*ug/l*	*95.2*		*88*	*50-120*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**					
Surrogate: 2-Fluorophenol	*52.2*		*ug/l*	*190*		*27*	*30-120*			*Z*
Surrogate: Nitrobenzene-d5	*74.9*		*ug/l*	*95.2*		*79*	*45-120*			
Surrogate: Phenol-d6	*9.16*		*ug/l*	*190*		*5*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*47.2*		*ug/l*	*95.2*		*50*	*50-125*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
Blank Analyzed: 11/20/2010 (10K2475-BLK1)										
Acenaphthene	ND	330	ug/kg							
Acenaphthylene	ND	330	ug/kg							
Aniline	ND	420	ug/kg							
Anthracene	ND	330	ug/kg							
Benzo(a)anthracene	ND	330	ug/kg							
Benzo(a)pyrene	ND	330	ug/kg							
Benzo(b)fluoranthene	ND	330	ug/kg							
Benzo(g,h,i)perylene	ND	330	ug/kg							
Benzo(k)fluoranthene	ND	330	ug/kg							
Benzoic acid	ND	830	ug/kg							
Benzyl alcohol	ND	330	ug/kg							
4-Bromophenyl phenyl ether	ND	330	ug/kg							
Butyl benzyl phthalate	ND	330	ug/kg							
4-Chloro-3-methylphenol	ND	330	ug/kg							
4-Chloroaniline	ND	330	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	ug/kg							
Bis(2-chloroethyl)ether	ND	170	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
2,2'-/4,4'-Dichlorobenzil	ND	330	ug/kg							
3,3'-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							
Dimethyl phthalate	ND	330	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
Blank Analyzed: 11/20/2010 (10K2475-BLK1)										
2,4-Dinitrophenol	ND	660	ug/kg							
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							
3-Nitroaniline	ND	330	ug/kg							
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
N-Nitroso-di-n-propylamine	ND	250	ug/kg							
N-Nitrosodimethylamine	ND	330	ug/kg							
N-Nitrosodiphenylamine	ND	330	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
Pyridine	ND	200	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
n-Hydroxymethylphthalimide	ND	6600	ug/kg							
Octachlorostyrene	ND	3300	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
Blank Analyzed: 11/20/2010 (10K2475-BLK1)										
Pentachlorobenzene	ND	330	ug/kg							
Phenyl disulfide	ND	330	ug/kg							
Phenyl sulfide	ND	330	ug/kg							
4-Chlorobenzenethiol	ND	6600	ug/kg							
Thiophenol	ND	6600	ug/kg							
4,4'-Dichlorobenzophenone	ND	330	ug/kg							
4-Chlorophenyl methyl sulfide	ND	330	ug/kg							
4-Chlorophenyl methyl sulfone	ND	330	ug/kg							
4-Chlorophenyl sulfone	ND	330	ug/kg							
Benzophenone	ND	330	ug/kg							
bis(4-chlorophenyl)disulfide	ND	330	ug/kg							
Diphenyl sulfone	ND	6600	ug/kg							
1,2,4,5-Tetrachlorobenzene	ND	330	ug/kg							
Surrogate: 2,4,6-Tribromophenol	*6290*		*ug/kg*	*6670*		*94*	*35-125*			
Surrogate: 2-Fluorobiphenyl	*2550*		*ug/kg*	*3330*		*76*	*35-120*			
Surrogate: 2-Fluorophenol	*5940*		*ug/kg*	*6670*		*89*	*25-120*			
Surrogate: Nitrobenzene-d5	*2570*		*ug/kg*	*3330*		*77*	*30-120*			
Surrogate: Phenol-d6	*6030*		*ug/kg*	*6670*		*90*	*35-120*			
Surrogate: Terphenyl-d14	*3130*		*ug/kg*	*3330*		*94*	*40-135*			
LCS Analyzed: 11/20/2010 (10K2475-BS1)										**MNR**
Acenaphthene	2980	330	ug/kg	3330		89	50-120			
Acenaphthylene	3090	330	ug/kg	3330		93	50-120			
Aniline	2990	420	ug/kg	3330		90	25-120			
Anthracene	3190	330	ug/kg	3330		96	55-120			
Benzo(a)anthracene	3240	330	ug/kg	3330		97	55-120			
Benzo(a)pyrene	3430	330	ug/kg	3330		103	50-125			
Benzo(b)fluoranthene	3400	330	ug/kg	3330		102	45-125			
Benzo(g,h,i)perylene	3660	330	ug/kg	3330		110	35-130			
Benzo(k)fluoranthene	3340	330	ug/kg	3330		100	45-125			
Benzoic acid	2560	830	ug/kg	3330		77	20-120			
Benzyl alcohol	3620	330	ug/kg	3330		108	35-120			
4-Bromophenyl phenyl ether	3260	330	ug/kg	3330		98	45-120			
Butyl benzyl phthalate	3460	330	ug/kg	3330		104	50-125			
4-Chloro-3-methylphenol	3600	330	ug/kg	3330		108	50-125			
4-Chloroaniline	2520	330	ug/kg	3330		75	20-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
LCS Analyzed: 11/20/2010 (10K2475-BS1)										**MNR**
Bis(2-chloroethoxy)methane	2900	330	ug/kg	3330		87	45-120			
Bis(2-chloroethyl)ether	2800	170	ug/kg	3330		84	35-120			
Bis(2-chloroisopropyl)ether	2960	330	ug/kg	3330		89	40-120			
Bis(2-ethylhexyl)phthalate	3640	330	ug/kg	3330		109	50-130			
2-Chloronaphthalene	2860	330	ug/kg	3330		86	45-120			
2-Chlorophenol	3200	330	ug/kg	3330		96	40-120			
4-Chlorophenyl phenyl ether	3180	330	ug/kg	3330		95	55-120			
Chrysene	3280	330	ug/kg	3330		99	55-120			
Dibenz(a,h)anthracene	3610	420	ug/kg	3330		108	40-135			
Dibenzofuran	2880	330	ug/kg	3330		86	55-120			
Di-n-butyl phthalate	3390	330	ug/kg	3330		102	50-125			
1,2-Dichlorobenzene	2710	330	ug/kg	3330		81	40-120			
1,3-Dichlorobenzene	2570	330	ug/kg	3330		77	35-120			
1,4-Dichlorobenzene	2620	330	ug/kg	3330		79	35-120			
2,2'-/4,4'-Dichlorobenzil	3380	330	ug/kg	3330		101	50-130			
3,3'-Dichlorobenzidine	2810	830	ug/kg	3330		84	20-130			
2,4-Dichlorophenol	3200	330	ug/kg	3330		96	45-120			
Diethyl phthalate	3270	330	ug/kg	3330		98	50-125			
2,4-Dimethylphenol	2970	330	ug/kg	3330		89	40-120			
Dimethyl phthalate	3210	330	ug/kg	3330		96	50-125			
4,6-Dinitro-2-methylphenol	3080	420	ug/kg	3330		92	40-120			
2,4-Dinitrophenol	2670	660	ug/kg	3330		80	25-120			
2,4-Dinitrotoluene	3390	330	ug/kg	3330		102	55-125			
2,6-Dinitrotoluene	3260	330	ug/kg	3330		98	55-125			
Di-n-octyl phthalate	3710	330	ug/kg	3330		111	50-135			
1,2-Diphenylhydrazine/Azobenzene	3020	330	ug/kg	3330		91	50-125			
Fluoranthene	3220	330	ug/kg	3330		97	55-120			
Fluorene	3220	330	ug/kg	3330		97	55-120			
Hexachlorobenzene	3230	330	ug/kg	3330		97	50-120			
Hexachlorobutadiene	2600	330	ug/kg	3330		78	40-120			
Hexachlorocyclopentadiene	2240	830	ug/kg	3330		67	30-125			
Hexachloroethane	2540	330	ug/kg	3330		76	40-120			
Indeno(1,2,3-cd)pyrene	3360	330	ug/kg	3330		101	30-135			
Isophorone	3020	330	ug/kg	3330		91	40-120			
2-Methylnaphthalene	2900	330	ug/kg	3330		87	45-120			
2-Methylphenol	3440	330	ug/kg	3330		103	40-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
LCS Analyzed: 11/20/2010 (10K2475-BS1)										**MNR**
4-Methylphenol	3670	330	ug/kg	3330		110	45-120			
Naphthalene	2720	330	ug/kg	3330		82	45-120			
2-Nitroaniline	3060	330	ug/kg	3330		92	50-125			
3-Nitroaniline	2610	330	ug/kg	3330		78	35-120			
4-Nitroaniline	3060	830	ug/kg	3330		92	45-125			
Nitrobenzene	2790	330	ug/kg	3330		84	45-120			
2-Nitrophenol	2970	330	ug/kg	3330		89	45-120			
4-Nitrophenol	3390	830	ug/kg	3330		102	40-125			
N-Nitroso-di-n-propylamine	3280	250	ug/kg	3330		98	40-120			
N-Nitrosodimethylamine	2280	330	ug/kg	3330		68	25-120			
N-Nitrosodiphenylamine	3230	330	ug/kg	3330		97	50-120			
Pentachlorophenol	3230	830	ug/kg	3330		97	40-120			
Phenanthrene	3180	330	ug/kg	3330		95	50-120			
Phenol	3260	330	ug/kg	3330		98	40-120			
Pyrene	3340	330	ug/kg	3330		100	45-125			
Pyridine	1420	200	ug/kg	3330		43	25-130			
1,2,4-Trichlorobenzene	2640	330	ug/kg	3330		79	40-120			
2,4,5-Trichlorophenol	3210	330	ug/kg	3330		96	50-120			
2,4,6-Trichlorophenol	3120	330	ug/kg	3330		94	50-120			
Surrogate: 2,4,6-Tribromophenol	*6710*		*ug/kg*	*6670*		*101*	*35-125*			
Surrogate: 2-Fluorobiphenyl	*2780*		*ug/kg*	*3330*		*83*	*35-120*			
Surrogate: 2-Fluorophenol	*5990*		*ug/kg*	*6670*		*90*	*25-120*			
Surrogate: Nitrobenzene-d5	*2670*		*ug/kg*	*3330*		*80*	*30-120*			
Surrogate: Phenol-d6	*6660*		*ug/kg*	*6670*		*100*	*35-120*			
Surrogate: Terphenyl-d14	*3160*		*ug/kg*	*3330*		*95*	*40-135*			
LCS Dup Analyzed: 11/20/2010 (10K2475-BSD1)										
Acenaphthene	2800	330	ug/kg	3330		84	50-120	6	20	
Acenaphthylene	2940	330	ug/kg	3330		88	50-120	5	20	
Aniline	2580	420	ug/kg	3330		77	25-120	15	20	
Anthracene	3110	330	ug/kg	3330		93	55-120	3	20	
Benzo(a)anthracene	3300	330	ug/kg	3330		99	55-120	2	20	
Benzo(a)pyrene	3600	330	ug/kg	3330		108	50-125	5	20	
Benzo(b)fluoranthene	3500	330	ug/kg	3330		105	45-125	3	25	
Benzo(g,h,i)perylene	3850	330	ug/kg	3330		116	35-130	5	25	
Benzo(k)fluoranthene	3490	330	ug/kg	3330		105	45-125	4	25	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
LCS Dup Analyzed: 11/20/2010 (10K2475-BSD1)										
Benzoic acid	2170	830	ug/kg	3330		65	20-120	17	30	
Benzyl alcohol	2950	330	ug/kg	3330		89	35-120	20	25	
4-Bromophenyl phenyl ether	3040	330	ug/kg	3330		91	45-120	7	20	
Butyl benzyl phthalate	3610	330	ug/kg	3330		108	50-125	4	20	
4-Chloro-3-methylphenol	3110	330	ug/kg	3330		93	50-125	15	20	
4-Chloroaniline	2570	330	ug/kg	3330		77	20-120	2	30	
Bis(2-chloroethoxy)methane	2600	330	ug/kg	3330		78	45-120	11	20	
Bis(2-chloroethyl)ether	2450	170	ug/kg	3330		73	35-120	13	25	
Bis(2-chloroisopropyl)ether	2530	330	ug/kg	3330		76	40-120	16	20	
Bis(2-ethylhexyl)phthalate	3880	330	ug/kg	3330		116	50-130	6	20	
2-Chloronaphthalene	2680	330	ug/kg	3330		80	45-120	7	20	
2-Chlorophenol	2670	330	ug/kg	3330		80	40-120	18	20	
4-Chlorophenyl phenyl ether	3030	330	ug/kg	3330		91	55-120	5	20	
Chrysene	3370	330	ug/kg	3330		101	55-120	3	20	
Dibenz(a,h)anthracene	3730	420	ug/kg	3330		112	40-135	3	25	
Dibenzofuran	2740	330	ug/kg	3330		82	55-120	5	20	
Di-n-butyl phthalate	3390	330	ug/kg	3330		102	50-125	0.08	20	
1,2-Dichlorobenzene	2390	330	ug/kg	3330		72	40-120	12	20	
1,3-Dichlorobenzene	2360	330	ug/kg	3330		71	35-120	8	25	
1,4-Dichlorobenzene	2360	330	ug/kg	3330		71	35-120	11	25	
2,2'-/4,4'-Dichlorobenzil	3440	330	ug/kg	3330		103	50-130	2	30	
3,3'-Dichlorobenzidine	3220	830	ug/kg	3330		96	20-130	14	25	
2,4-Dichlorophenol	2880	330	ug/kg	3330		86	45-120	11	20	
Diethyl phthalate	3180	330	ug/kg	3330		96	50-125	3	20	
2,4-Dimethylphenol	2660	330	ug/kg	3330		80	40-120	11	20	
Dimethyl phthalate	3070	330	ug/kg	3330		92	50-125	4	20	
4,6-Dinitro-2-methylphenol	2970	420	ug/kg	3330		89	40-120	4	25	
2,4-Dinitrophenol	2420	660	ug/kg	3330		73	25-120	10	25	
2,4-Dinitrotoluene	3250	330	ug/kg	3330		97	55-125	4	20	
2,6-Dinitrotoluene	3170	330	ug/kg	3330		95	55-125	3	20	
Di-n-octyl phthalate	3910	330	ug/kg	3330		117	50-135	5	20	
1,2-Diphenylhydrazine/Azobenzene	2920	330	ug/kg	3330		87	50-125	4	20	
Fluoranthene	3130	330	ug/kg	3330		94	55-120	3	20	
Fluorene	3100	330	ug/kg	3330		93	55-120	4	20	
Hexachlorobenzene	3150	330	ug/kg	3330		95	50-120	3	20	
Hexachlorobutadiene	2440	330	ug/kg	3330		73	40-120	6	20	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2475 Extracted: 11/19/10										
LCS Dup Analyzed: 11/20/2010 (10K2475-BSD1)										
Hexachlorocyclopentadiene	2170	830	ug/kg	3330		65	30-125	3	25	
Hexachloroethane	2420	330	ug/kg	3330		73	40-120	4	20	
Indeno(1,2,3-cd)pyrene	3460	330	ug/kg	3330		104	30-135	3	25	
Isophorone	2650	330	ug/kg	3330		80	40-120	13	20	
2-Methylnaphthalene	2510	330	ug/kg	3330		75	45-120	14	20	
2-Methylphenol	2910	330	ug/kg	3330		87	40-120	17	20	
4-Methylphenol	2980	330	ug/kg	3330		89	45-120	21	20	*R-7*
Naphthalene	2480	330	ug/kg	3330		74	45-120	9	20	
2-Nitroaniline	2940	330	ug/kg	3330		88	50-125	4	20	
3-Nitroaniline	2750	330	ug/kg	3330		83	35-120	5	25	
4-Nitroaniline	3020	830	ug/kg	3330		91	45-125	1	20	
Nitrobenzene	2560	330	ug/kg	3330		77	45-120	9	20	
2-Nitrophenol	2660	330	ug/kg	3330		80	45-120	11	20	
4-Nitrophenol	3430	830	ug/kg	3330		103	40-125	1	20	
N-Nitroso-di-n-propylamine	2640	250	ug/kg	3330		79	40-120	22	20	*R-7*
N-Nitrosodimethylamine	2310	330	ug/kg	3330		69	25-120	1	25	
N-Nitrosodiphenylamine	3080	330	ug/kg	3330		93	50-120	5	20	
Pentachlorophenol	3050	830	ug/kg	3330		91	40-120	6	20	
Phenanthrene	3100	330	ug/kg	3330		93	50-120	3	20	
Phenol	2680	330	ug/kg	3330		80	40-120	20	20	
Pyrene	3330	330	ug/kg	3330		100	45-125	0.08	25	
Pyridine	1670	200	ug/kg	3330		50	25-130	16	30	
1,2,4-Trichlorobenzene	2460	330	ug/kg	3330		74	40-120	7	20	
2,4,5-Trichlorophenol	3070	330	ug/kg	3330		92	50-120	4	20	
2,4,6-Trichlorophenol	2960	330	ug/kg	3330		89	50-120	5	20	
Surrogate: 2,4,6-Tribromophenol	*6310*		*ug/kg*	*6670*		*95*	*35-125*			
Surrogate: 2-Fluorobiphenyl	*2620*		*ug/kg*	*3330*		*79*	*35-120*			
Surrogate: 2-Fluorophenol	*5370*		*ug/kg*	*6670*		*81*	*25-120*			
Surrogate: Nitrobenzene-d5	*2420*		*ug/kg*	*3330*		*73*	*30-120*			
Surrogate: Phenol-d6	*5550*		*ug/kg*	*6670*		*83*	*35-120*			
Surrogate: Terphenyl-d14	*3200*		*ug/kg*	*3330*		*96*	*40-135*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10										
Blank Analyzed: 11/24/2010 (10K2349-BLK1)										
Tentatively Identified Compounds	ND	50	ug/l							
Batch: 10K2475 Extracted: 11/19/10										
Blank Analyzed: 11/20/2010 (10K2475-BLK1)										
Tentatively Identified Compounds	ND	1700	ug/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2686 Extracted: 11/21/10										
Blank Analyzed: 11/23/2010 (10K2686-BLK1)										
2,4'-DDD	ND	5.0	ug/kg							
2,4'-DDE	ND	5.0	ug/kg							
2,4'-DDT	ND	5.0	ug/kg							
4,4'-DDD	ND	5.0	ug/kg							
4,4'-DDE	ND	5.0	ug/kg							
4,4'-DDT	ND	5.0	ug/kg							
Aldrin	ND	5.0	ug/kg							
alpha-BHC	ND	5.0	ug/kg							
beta-BHC	ND	5.0	ug/kg							
delta-BHC	ND	10	ug/kg							
Dieldrin	ND	5.0	ug/kg							
Endosulfan I	ND	5.0	ug/kg							
Endosulfan II	ND	5.0	ug/kg							
Endosulfan sulfate	ND	10	ug/kg							
Endrin	ND	5.0	ug/kg							
Endrin aldehyde	ND	5.0	ug/kg							
Endrin ketone	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	ug/kg							
Heptachlor	ND	5.0	ug/kg							
Heptachlor epoxide	ND	5.0	ug/kg							
Methoxychlor	ND	5.0	ug/kg							
Chlordane	ND	50	ug/kg							
Toxaphene	ND	200	ug/kg							
Surrogate: Decachlorobiphenyl	*33.5*		*ug/kg*	*33.3*		*100*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*30.1*		*ug/kg*	*33.3*		*90*	*35-115*			
LCS Analyzed: 11/23/2010 (10K2686-BS1)										
2,4'-DDD	30.4	5.0	ug/kg	33.3		91	60-120			
2,4'-DDE	30.5	5.0	ug/kg	33.3		91	60-120			
2,4'-DDT	31.5	5.0	ug/kg	33.3		95	65-120			
4,4'-DDD	33.0	5.0	ug/kg	33.3		99	60-120			
4,4'-DDE	32.3	5.0	ug/kg	33.3		97	60-120			
4,4'-DDT	36.2	5.0	ug/kg	33.3		109	65-120			
Aldrin	32.0	5.0	ug/kg	33.3		96	50-115			
alpha-BHC	33.1	5.0	ug/kg	33.3		99	60-115			
beta-BHC	34.0	5.0	ug/kg	33.3		102	60-115			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2686 Extracted: 11/21/10										
LCS Analyzed: 11/23/2010 (10K2686-BS1)										
delta-BHC	35.2	10	ug/kg	33.3		106	60-115			
Dieldrin	32.7	5.0	ug/kg	33.3		98	65-115			
Endosulfan I	32.2	5.0	ug/kg	33.3		97	40-120			
Endosulfan II	31.8	5.0	ug/kg	33.3		95	55-120			
Endosulfan sulfate	34.0	10	ug/kg	33.3		102	65-115			
Endrin	31.4	5.0	ug/kg	33.3		94	55-120			
Endrin aldehyde	32.1	5.0	ug/kg	33.3		96	55-115			
Endrin ketone	35.1	5.0	ug/kg	33.3		105	65-115			
gamma-BHC (Lindane)	33.1	5.0	ug/kg	33.3		99	55-115			
Heptachlor	32.8	5.0	ug/kg	33.3		98	55-115			
Heptachlor epoxide	32.4	5.0	ug/kg	33.3		97	55-115			
Methoxychlor	32.5	5.0	ug/kg	33.3		98	65-120			
Surrogate: Decachlorobiphenyl	*32.2*		*ug/kg*	*33.3*		*97*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*28.6*		*ug/kg*	*33.3*		*86*	*35-115*			
Matrix Spike Analyzed: 11/23/2010 (10K2686-MS1)					**Source: ITK1857-01**					
2,4'-DDD	17.8	5.0	ug/kg	33.3	ND	54	40-130			
2,4'-DDE	23.9	5.0	ug/kg	33.3	ND	72	35-130			
2,4'-DDT	17.2	5.0	ug/kg	33.3	ND	52	35-130			
4,4'-DDD	17.0	5.0	ug/kg	33.3	ND	51	40-130			
4,4'-DDE	22.7	5.0	ug/kg	33.3	5.79	51	35-130			
4,4'-DDT	16.7	5.0	ug/kg	33.3	ND	50	35-130			
Aldrin	26.7	5.0	ug/kg	33.3	ND	80	40-115			
alpha-BHC	26.0	5.0	ug/kg	33.3	4.71	64	40-115			
beta-BHC	36.7	5.0	ug/kg	33.3	18.5	55	40-120			
delta-BHC	22.9	10	ug/kg	33.3	2.25	62	45-120			
Dieldrin	19.8	5.0	ug/kg	33.3	ND	59	40-125			
Endosulfan I	18.0	5.0	ug/kg	33.3	ND	54	40-120			
Endosulfan II	17.2	5.0	ug/kg	33.3	ND	52	40-125			
Endosulfan sulfate	19.9	10	ug/kg	33.3	ND	60	45-120			
Endrin	12.2	5.0	ug/kg	33.3	ND	37	45-125			*M2*
Endrin aldehyde	19.1	5.0	ug/kg	33.3	ND	57	30-120			
Endrin ketone	24.3	5.0	ug/kg	33.3	ND	73	40-120			
gamma-BHC (Lindane)	22.9	5.0	ug/kg	33.3	ND	69	40-120			
Heptachlor	13.3	5.0	ug/kg	33.3	ND	40	40-115			
Heptachlor epoxide	20.9	5.0	ug/kg	33.3	ND	63	45-115			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2686 Extracted: 11/21/10										
Matrix Spike Analyzed: 11/23/2010 (10K2686-MS1)					**Source: ITK1857-01**					
Methoxychlor	13.5	5.0	ug/kg	33.3	ND	40	40-135			
Surrogate: Decachlorobiphenyl	*30.5*		*ug/kg*	*33.3*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*18.1*		*ug/kg*	*33.3*		*54*	*35-115*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2686-MSD1)					**Source: ITK1857-01**					
2,4'-DDD	17.5	5.0	ug/kg	33.3	ND	52	40-130	2	30	
2,4'-DDE	23.7	5.0	ug/kg	33.3	ND	71	35-130	0.9	30	
2,4'-DDT	16.6	5.0	ug/kg	33.3	ND	50	35-130	3	30	
4,4'-DDD	16.4	5.0	ug/kg	33.3	ND	49	40-130	3	30	
4,4'-DDE	22.3	5.0	ug/kg	33.3	5.79	49	35-130	2	30	
4,4'-DDT	16.5	5.0	ug/kg	33.3	ND	49	35-130	1	30	
Aldrin	26.3	5.0	ug/kg	33.3	ND	79	40-115	1	30	
alpha-BHC	25.7	5.0	ug/kg	33.3	4.71	63	40-115	1	30	
beta-BHC	36.5	5.0	ug/kg	33.3	18.5	54	40-120	0.6	30	
delta-BHC	22.7	10	ug/kg	33.3	2.25	61	45-120	1	30	
Dieldrin	19.3	5.0	ug/kg	33.3	ND	58	40-125	2	30	
Endosulfan I	17.5	5.0	ug/kg	33.3	ND	53	40-120	2	30	
Endosulfan II	16.9	5.0	ug/kg	33.3	ND	51	40-125	2	30	
Endosulfan sulfate	20.1	10	ug/kg	33.3	ND	60	45-120	1	30	
Endrin	11.8	5.0	ug/kg	33.3	ND	35	45-125	4	30	*M2*
Endrin aldehyde	19.1	5.0	ug/kg	33.3	ND	57	30-120	0.002	30	
Endrin ketone	24.1	5.0	ug/kg	33.3	ND	72	40-120	0.7	30	
gamma-BHC (Lindane)	22.7	5.0	ug/kg	33.3	ND	68	40-120	0.6	30	
Heptachlor	12.8	5.0	ug/kg	33.3	ND	38	40-115	4	30	*M2*
Heptachlor epoxide	20.5	5.0	ug/kg	33.3	ND	61	45-115	2	30	
Methoxychlor	13.0	5.0	ug/kg	33.3	ND	39	40-135	3	30	*M2*
Surrogate: Decachlorobiphenyl	*30.0*		*ug/kg*	*33.3*		*90*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*17.8*		*ug/kg*	*33.3*		*53*	*35-115*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10										
Blank Analyzed: 11/19/2010 (10K2443-BLK1)										
2,4'-DDD	ND	0.10	ug/l							
2,4'-DDE	ND	0.10	ug/l							
2,4'-DDT	ND	0.10	ug/l							
4,4'-DDD	ND	0.10	ug/l							
4,4'-DDE	ND	0.10	ug/l							
4,4'-DDT	ND	0.10	ug/l							
Aldrin	ND	0.10	ug/l							
alpha-BHC	ND	0.10	ug/l							
beta-BHC	ND	0.10	ug/l							
delta-BHC	ND	0.20	ug/l							
Dieldrin	ND	0.10	ug/l							
Endosulfan I	ND	0.10	ug/l							
Endosulfan II	ND	0.10	ug/l							
Endosulfan sulfate	ND	0.20	ug/l							
Endrin	ND	0.10	ug/l							
Endrin aldehyde	ND	0.10	ug/l							
Endrin ketone	ND	0.10	ug/l							
gamma-BHC (Lindane)	ND	0.10	ug/l							
Heptachlor	ND	0.10	ug/l							
Heptachlor epoxide	ND	0.10	ug/l							
Methoxychlor	ND	0.10	ug/l							
Chlordane	ND	1.0	ug/l							
Toxaphene	ND	5.0	ug/l							
Surrogate: Decachlorobiphenyl	*0.471*		*ug/l*	*0.500*		*94*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.408*		*ug/l*	*0.500*		*82*	*35-120*			
LCS Analyzed: 11/22/2010 (10K2443-BS1)										
2,4'-DDD	0.439	0.10	ug/l	0.500		88	55-120			
2,4'-DDE	0.443	0.10	ug/l	0.500		89	50-120			
2,4'-DDT	0.491	0.10	ug/l	0.500		98	55-120			
4,4'-DDD	0.520	0.10	ug/l	0.500		104	55-120			
4,4'-DDE	0.515	0.10	ug/l	0.500		103	50-120			
4,4'-DDT	0.614	0.10	ug/l	0.500		123	55-120			*L*
Aldrin	0.488	0.10	ug/l	0.500		98	40-115			
alpha-BHC	0.473	0.10	ug/l	0.500		95	45-115			
beta-BHC	0.503	0.10	ug/l	0.500		101	55-115			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10										
LCS Analyzed: 11/22/2010 (10K2443-BS1)										
delta-BHC	0.535	0.20	ug/l	0.500		107	55-115			
Dieldrin	0.519	0.10	ug/l	0.500		104	55-115			
Endosulfan I	0.480	0.10	ug/l	0.500		96	55-115			
Endosulfan II	0.497	0.10	ug/l	0.500		99	55-120			
Endosulfan sulfate	0.556	0.20	ug/l	0.500		111	60-120			
Endrin	0.507	0.10	ug/l	0.500		101	55-115			
Endrin aldehyde	0.509	0.10	ug/l	0.500		102	50-120			
Endrin ketone	0.542	0.10	ug/l	0.500		108	55-120			
gamma-BHC (Lindane)	0.482	0.10	ug/l	0.500		96	45-115			
Heptachlor	0.525	0.10	ug/l	0.500		105	45-115			
Heptachlor epoxide	0.483	0.10	ug/l	0.500		97	55-115			
Methoxychlor	0.495	0.10	ug/l	0.500		99	60-120			
Surrogate: Decachlorobiphenyl	*0.454*		*ug/l*	*0.500*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.405*		*ug/l*	*0.500*		*81*	*35-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)					**Source: ITK1710-04**					
2,4'-DDD	0.412	0.094	ug/l	0.472	ND	87	50-125			
2,4'-DDE	0.413	0.094	ug/l	0.472	ND	88	45-125			
2,4'-DDT	0.466	0.094	ug/l	0.472	ND	99	50-125			
4,4'-DDD	0.490	0.094	ug/l	0.472	ND	104	50-125			
4,4'-DDE	0.481	0.094	ug/l	0.472	ND	102	45-125			
4,4'-DDT	0.590	0.094	ug/l	0.472	ND	125	50-125			
Aldrin	0.521	0.094	ug/l	0.472	ND	110	35-120			
alpha-BHC	0.441	0.094	ug/l	0.472	ND	93	40-120			
beta-BHC	0.464	0.094	ug/l	0.472	ND	98	50-120			
delta-BHC	0.490	0.19	ug/l	0.472	ND	104	50-120			
Dieldrin	0.484	0.094	ug/l	0.472	ND	103	50-120			
Endosulfan I	0.443	0.094	ug/l	0.472	ND	94	50-120			
Endosulfan II	0.469	0.094	ug/l	0.472	ND	99	50-125			
Endosulfan sulfate	0.527	0.19	ug/l	0.472	ND	112	55-125			
Endrin	0.476	0.094	ug/l	0.472	ND	101	50-120			
Endrin aldehyde	0.479	0.094	ug/l	0.472	ND	102	45-125			
Endrin ketone	0.495	0.094	ug/l	0.472	ND	105	50-125			
gamma-BHC (Lindane)	0.456	0.094	ug/l	0.472	ND	97	40-120			
Heptachlor	0.531	0.094	ug/l	0.472	ND	113	40-120			
Heptachlor epoxide	0.446	0.094	ug/l	0.472	ND	95	50-120			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10										
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)					**Source: ITK1710-04**					
Methoxychlor	0.493	0.094	ug/l	0.472	ND	105	55-125			
Surrogate: Decachlorobiphenyl	*0.432*		*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.360*		*ug/l*	*0.472*		*76*	*35-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD1)					**Source: ITK1710-04**					
2,4'-DDD	0.414	0.094	ug/l	0.472	ND	88	50-125	0.5	30	
2,4'-DDE	0.416	0.094	ug/l	0.472	ND	88	45-125	0.6	30	
2,4'-DDT	0.468	0.094	ug/l	0.472	ND	99	50-125	0.4	30	
4,4'-DDD	0.492	0.094	ug/l	0.472	ND	104	50-125	0.4	30	
4,4'-DDE	0.485	0.094	ug/l	0.472	ND	103	45-125	1	30	
4,4'-DDT	0.591	0.094	ug/l	0.472	ND	125	50-125	0.1	30	
Aldrin	0.529	0.094	ug/l	0.472	ND	112	35-120	2	30	
alpha-BHC	0.443	0.094	ug/l	0.472	ND	94	40-120	0.5	30	
beta-BHC	0.468	0.094	ug/l	0.472	ND	99	50-120	0.8	30	
delta-BHC	0.492	0.19	ug/l	0.472	ND	104	50-120	0.4	30	
Dieldrin	0.488	0.094	ug/l	0.472	ND	103	50-120	0.8	30	
Endosulfan I	0.446	0.094	ug/l	0.472	ND	95	50-120	0.7	30	
Endosulfan II	0.470	0.094	ug/l	0.472	ND	100	50-125	0.3	30	
Endosulfan sulfate	0.521	0.19	ug/l	0.472	ND	111	55-125	1	30	
Endrin	0.478	0.094	ug/l	0.472	ND	101	50-120	0.4	30	
Endrin aldehyde	0.488	0.094	ug/l	0.472	ND	103	45-125	2	30	
Endrin ketone	0.500	0.094	ug/l	0.472	ND	106	50-125	0.9	30	
gamma-BHC (Lindane)	0.459	0.094	ug/l	0.472	ND	97	40-120	0.6	30	
Heptachlor	0.537	0.094	ug/l	0.472	ND	114	40-120	1	30	
Heptachlor epoxide	0.449	0.094	ug/l	0.472	ND	95	50-120	0.7	30	
Methoxychlor	0.494	0.094	ug/l	0.472	ND	105	55-125	0.2	30	
Surrogate: Decachlorobiphenyl	*0.432*		*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.365*		*ug/l*	*0.472*		*77*	*35-120*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2499 Extracted: 11/19/10										
Blank Analyzed: 11/19/2010 (10K2499-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 11/19/2010 (10K2499-BS1)										
Mercury	0.00888	0.00020	mg/l	0.00800		111	80-120			
Matrix Spike Analyzed: 11/19/2010 (10K2499-MS1)					**Source: ITK1857-02**					
Mercury	0.00822	0.00020	mg/l	0.00800	ND	103	70-130			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2499-MSD1)					**Source: ITK1857-02**					
Mercury	0.00819	0.00020	mg/l	0.00800	ND	102	70-130	0.3	20	
Batch: 10K3023 Extracted: 11/23/10										
Blank Analyzed: 11/24/2010 (10K3023-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 11/24/2010 (10K3023-BS1)										
Mercury	0.855	0.020	mg/kg	0.800		107	80-120			
Matrix Spike Analyzed: 11/24/2010 (10K3023-MS1)					**Source: ITK1697-08**					
Mercury	0.858	0.020	mg/kg	0.800	0.0496	101	70-130			
Matrix Spike Dup Analyzed: 11/24/2010 (10K3023-MSD1)					**Source: ITK1697-08**					
Mercury	0.862	0.020	mg/kg	0.800	0.0496	102	70-130	0.5	20	
Batch: 10K3176 Extracted: 11/24/10										
Blank Analyzed: 11/29/2010 (10K3176-BLK1)										
Antimony	ND	0.99	mg/kg							
Arsenic	ND	0.49	mg/kg							
Barium	ND	0.49	mg/kg							
Beryllium	ND	0.30	mg/kg							
Cadmium	ND	0.49	mg/kg							
Chromium	ND	0.99	mg/kg							
Cobalt	ND	0.49	mg/kg							
Copper	ND	0.99	mg/kg							
Lead	ND	0.49	mg/kg							
Molybdenum	ND	0.99	mg/kg							
Nickel	ND	0.99	mg/kg							
Selenium	ND	0.99	mg/kg							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3176 Extracted: 11/24/10										
Blank Analyzed: 11/29/2010 (10K3176-BLK1)										
Silver	ND	0.49	mg/kg							
Thallium	ND	0.49	mg/kg							
Vanadium	ND	0.99	mg/kg							
Zinc	ND	9.9	mg/kg							
LCS Analyzed: 11/29/2010 (10K3176-BS1)										
Antimony	52.4	0.98	mg/kg	49.0		107	80-120			
Arsenic	52.4	0.49	mg/kg	49.0		107	80-120			
Barium	52.8	0.49	mg/kg	49.0		108	80-120			
Beryllium	52.8	0.29	mg/kg	49.0		108	80-120			
Cadmium	51.5	0.49	mg/kg	49.0		105	80-120			
Chromium	55.4	0.98	mg/kg	49.0		113	80-120			
Cobalt	54.7	0.49	mg/kg	49.0		112	80-120			
Copper	54.7	0.98	mg/kg	49.0		112	80-120			
Lead	52.5	0.49	mg/kg	49.0		107	80-120			
Molybdenum	53.0	0.98	mg/kg	49.0		108	80-120			
Nickel	55.4	0.98	mg/kg	49.0		113	80-120			
Selenium	48.7	0.98	mg/kg	49.0		99	80-120			
Silver	28.9	0.49	mg/kg	24.5		118	80-120			
Thallium	52.3	0.49	mg/kg	49.0		107	80-120			
Vanadium	52.6	0.98	mg/kg	49.0		107	80-120			
Zinc	51.4	9.8	mg/kg	49.0		105	80-120			
Matrix Spike Analyzed: 11/29/2010 (10K3176-MS1)					**Source: ITK2248-01**					
Antimony	16.9	4.9	mg/kg	49.3	0.816	33	75-125			*M2*
Arsenic	60.2	2.5	mg/kg	49.3	5.21	112	75-125			
Barium	200	2.5	mg/kg	49.3	156	90	75-125			
Beryllium	54.8	1.5	mg/kg	49.3	0.481	110	75-125			
Cadmium	54.0	2.5	mg/kg	49.3	ND	110	75-125			
Chromium	75.5	4.9	mg/kg	49.3	17.8	117	75-125			
Cobalt	66.1	2.5	mg/kg	49.3	10.1	114	75-125			
Copper	98.0	4.9	mg/kg	49.3	31.3	135	75-125			*M1*
Lead	86.4	2.5	mg/kg	49.3	30.3	114	75-125			
Molybdenum	60.6	4.9	mg/kg	49.3	3.36	116	75-125			
Nickel	72.5	4.9	mg/kg	49.3	16.2	114	75-125			
Selenium	52.8	4.9	mg/kg	49.3	ND	107	75-125			
Silver	28.8	2.5	mg/kg	24.6	ND	117	75-125			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3176 Extracted: 11/24/10										
Matrix Spike Analyzed: 11/29/2010 (10K3176-MS1)					**Source: ITK2248-01**					
Thallium	56.1	2.5	mg/kg	49.3	1.80	110	75-125			
Vanadium	98.5	4.9	mg/kg	49.3	45.3	108	75-125			
Zinc	177	49	mg/kg	49.3	100	155	75-125			*M1*
Matrix Spike Dup Analyzed: 11/29/2010 (10K3176-MSD1)					**Source: ITK2248-01**					
Antimony	14.4	4.9	mg/kg	49.0	0.816	28	75-125	16	20	*M2*
Arsenic	54.9	2.5	mg/kg	49.0	5.21	101	75-125	9	20	
Barium	183	2.5	mg/kg	49.0	156	56	75-125	9	20	*M2*
Beryllium	49.7	1.5	mg/kg	49.0	0.481	100	75-125	10	20	
Cadmium	48.6	2.5	mg/kg	49.0	ND	99	75-125	11	20	
Chromium	68.0	4.9	mg/kg	49.0	17.8	102	75-125	11	20	
Cobalt	59.2	2.5	mg/kg	49.0	10.1	100	75-125	11	20	
Copper	89.0	4.9	mg/kg	49.0	31.3	118	75-125	10	20	
Lead	75.8	2.5	mg/kg	49.0	30.3	93	75-125	13	20	
Molybdenum	52.8	4.9	mg/kg	49.0	3.36	101	75-125	14	20	
Nickel	66.5	4.9	mg/kg	49.0	16.2	103	75-125	9	20	
Selenium	47.2	4.9	mg/kg	49.0	ND	96	75-125	11	20	
Silver	26.0	2.5	mg/kg	24.5	ND	106	75-125	10	20	
Thallium	50.9	2.5	mg/kg	49.0	1.80	100	75-125	10	20	
Vanadium	87.7	4.9	mg/kg	49.0	45.3	86	75-125	12	20	
Zinc	156	49	mg/kg	49.0	100	114	75-125	12	20	
Batch: 10K3433 Extracted: 11/29/10										
Blank Analyzed: 11/30/2010-12/01/2010 (10K3433-BLK1)										
Antimony	ND	2.0	ug/l							
Arsenic	ND	1.0	ug/l							
Barium	ND	1.0	ug/l							
Beryllium	ND	0.50	ug/l							
Cadmium	ND	1.0	ug/l							
Chromium	ND	2.0	ug/l							
Cobalt	ND	1.0	ug/l							
Copper	ND	2.0	ug/l							
Lead	ND	1.0	ug/l							
Molybdenum	ND	2.0	ug/l							
Nickel	ND	2.0	ug/l							
Selenium	ND	2.0	ug/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3433 Extracted: 11/29/10										
Blank Analyzed: 11/30/2010-12/01/2010 (10K3433-BLK1)										
Silver	ND	1.0	ug/l							
Thallium	ND	1.0	ug/l							
Vanadium	ND	2.0	ug/l							
Zinc	ND	20	ug/l							
LCS Analyzed: 11/30/2010-12/01/2010 (10K3433-BS1)										
Antimony	71.4	2.0	ug/l	80.0		89	80-120			
Arsenic	73.6	1.0	ug/l	80.0		92	80-120			
Barium	81.9	1.0	ug/l	80.0		102	80-120			
Beryllium	77.9	0.50	ug/l	80.0		97	80-120			
Cadmium	73.3	1.0	ug/l	80.0		92	80-120			
Chromium	77.8	2.0	ug/l	80.0		97	80-120			
Cobalt	77.2	1.0	ug/l	80.0		97	80-120			
Copper	78.0	2.0	ug/l	80.0		98	80-120			
Lead	80.0	1.0	ug/l	80.0		100	80-120			
Molybdenum	76.5	2.0	ug/l	80.0		96	80-120			
Nickel	76.7	2.0	ug/l	80.0		96	80-120			
Selenium	77.7	2.0	ug/l	80.0		97	80-120			
Silver	83.1	1.0	ug/l	80.0		104	80-120			
Thallium	81.3	1.0	ug/l	80.0		102	80-120			
Vanadium	79.3	2.0	ug/l	80.0		99	80-120			
Zinc	75.9	20	ug/l	80.0		95	80-120			
Matrix Spike Analyzed: 11/30/2010-12/01/2010 (10K3433-MS1)					**Source: ITK1858-02**					
Antimony	71.3	2.0	ug/l	80.0	0.353	89	75-125			
Arsenic	89.7	1.0	ug/l	80.0	10.0	100	75-125			
Barium	159	1.0	ug/l	80.0	82.9	95	75-125			
Beryllium	57.1	0.50	ug/l	80.0	ND	71	75-125			*M2*
Cadmium	71.2	1.0	ug/l	80.0	0.210	89	75-125			
Chromium	92.4	2.0	ug/l	80.0	31.4	76	75-125			
Cobalt	62.3	1.0	ug/l	80.0	1.43	76	75-125			
Copper	65.0	2.0	ug/l	80.0	7.23	72	75-125			*M2*
Lead	77.0	1.0	ug/l	80.0	0.339	96	75-125			
Molybdenum	123	2.0	ug/l	80.0	35.9	109	75-125			
Nickel	74.6	2.0	ug/l	80.0	16.4	73	75-125			*M2*
Selenium	98.9	2.0	ug/l	80.0	3.66	119	75-125			
Silver	75.8	1.0	ug/l	80.0	ND	95	75-125			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3433 Extracted: 11/29/10										
Matrix Spike Analyzed: 11/30/2010-12/01/2010 (10K3433-MS1)					**Source: ITK1858-02**					
Thallium	77.3	1.0	ug/l	80.0	ND	97	75-125			
Vanadium	73.8	2.0	ug/l	80.0	7.57	83	75-125			
Zinc	375	20	ug/l	80.0	311	81	75-125			
Matrix Spike Dup Analyzed: 11/30/2010-12/01/2010 (10K3433-MSD1)					**Source: ITK1858-02**					
Antimony	72.6	2.0	ug/l	80.0	0.353	90	75-125	2	20	
Arsenic	91.0	1.0	ug/l	80.0	10.0	101	75-125	1	20	
Barium	160	1.0	ug/l	80.0	82.9	96	75-125	0.7	20	
Beryllium	56.5	0.50	ug/l	80.0	ND	71	75-125	0.9	20	*M2*
Cadmium	72.8	1.0	ug/l	80.0	0.210	91	75-125	2	20	
Chromium	92.6	2.0	ug/l	80.0	31.4	76	75-125	0.2	20	
Cobalt	62.7	1.0	ug/l	80.0	1.43	77	75-125	0.6	20	
Copper	65.8	2.0	ug/l	80.0	7.23	73	75-125	1	20	*M2*
Lead	77.8	1.0	ug/l	80.0	0.339	97	75-125	1	20	
Molybdenum	125	2.0	ug/l	80.0	35.9	112	75-125	2	20	
Nickel	75.3	2.0	ug/l	80.0	16.4	74	75-125	0.9	20	*M2*
Selenium	104	2.0	ug/l	80.0	3.66	126	75-125	5	20	*M1*
Silver	76.8	1.0	ug/l	80.0	ND	96	75-125	1	20	
Thallium	79.1	1.0	ug/l	80.0	ND	99	75-125	2	20	
Vanadium	74.2	2.0	ug/l	80.0	7.57	83	75-125	0.5	20	
Zinc	387	20	ug/l	80.0	311	96	75-125	3	20	

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3195 Extracted: 11/24/10										
Blank Analyzed: 12/01/2010 (10K3195-BLK1)										
Arsenic	ND	0.20	mg/l							
Barium	ND	0.20	mg/l							
Cadmium	ND	0.10	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
Selenium	ND	0.10	mg/l							
Silver	ND	0.20	mg/l							
LCS Analyzed: 12/01/2010 (10K3195-BS1)										
Arsenic	2.02	0.20	mg/l	2.00		101	80-120			
Barium	2.10	0.20	mg/l	2.00		105	80-120			
Cadmium	1.96	0.10	mg/l	2.00		98	80-120			
Chromium	2.07	0.10	mg/l	2.00		103	80-120			
Lead	2.01	0.10	mg/l	2.00		101	80-120			
Selenium	1.88	0.10	mg/l	2.00		94	80-120			
Silver	0.992	0.20	mg/l	1.00		99	80-120			
Matrix Spike Analyzed: 12/01/2010 (10K3195-MS1)					**Source: ITK1857-01**					
Arsenic	1.88	0.20	mg/l	2.00	ND	94	75-125			
Barium	2.48	0.20	mg/l	2.00	0.689	90	75-125			
Cadmium	1.81	0.10	mg/l	2.00	ND	91	75-125			
Chromium	1.92	0.10	mg/l	2.00	ND	96	75-125			
Lead	1.87	0.10	mg/l	2.00	ND	93	75-125			
Selenium	1.68	0.10	mg/l	2.00	ND	84	75-125			
Silver	0.915	0.20	mg/l	1.00	ND	91	75-125			
Batch: 10K3459 Extracted: 11/29/10										
Blank Analyzed: 11/30/2010 (10K3459-BLK1)										
Mercury	ND	0.0020	mg/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3459 Extracted: 11/29/10										
LCS Analyzed: 11/30/2010 (10K3459-BS1)										
Mercury	0.0800	0.0020	mg/l	0.0800		100	80-120			
Matrix Spike Analyzed: 11/30/2010 (10K3459-MS1)					**Source: ITK1857-01**					
Mercury	0.0836	0.0020	mg/l	0.0800	ND	105	70-130			
Matrix Spike Dup Analyzed: 11/30/2010 (10K3459-MSD1)					**Source: ITK1857-01**					
Mercury	0.0824	0.0020	mg/l	0.0800	ND	103	70-130	1	20	
Batch: 10K3571 Extracted: 11/30/10										
Blank Analyzed: 11/30/2010 (10K3571-BLK1)										
Mercury	ND	0.0020	mg/l							
LCS Analyzed: 11/30/2010 (10K3571-BS1)										
Mercury	0.0820	0.0020	mg/l	0.0800		103	80-120			
Matrix Spike Analyzed: 11/30/2010 (10K3571-MS1)					**Source: ITK2388-01**					
Mercury	0.0831	0.0020	mg/l	0.0800	ND	104	70-130			
Matrix Spike Dup Analyzed: 11/30/2010 (10K3571-MSD1)					**Source: ITK2388-01**					
Mercury	0.0841	0.0020	mg/l	0.0800	ND	105	70-130	1	20	
Batch: 10K3604 Extracted: 11/30/10										
Blank Analyzed: 12/02/2010 (10K3604-BLK1)										
Arsenic	ND	0.20	mg/l							
Barium	ND	0.20	mg/l							
Cadmium	ND	0.10	mg/l							
Chromium	ND	0.10	mg/l							
Lead	ND	0.10	mg/l							
Selenium	ND	0.10	mg/l							
Silver	ND	0.20	mg/l							

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3604 Extracted: 11/30/10										
LCS Analyzed: 12/02/2010 (10K3604-BS1)										
Arsenic	1.99	0.20	mg/l	2.00		100	80-120			
Barium	2.09	0.20	mg/l	2.00		105	80-120			
Cadmium	2.05	0.10	mg/l	2.00		103	80-120			
Chromium	2.11	0.10	mg/l	2.00		106	80-120			
Lead	2.04	0.10	mg/l	2.00		102	80-120			
Selenium	1.86	0.10	mg/l	2.00		93	80-120			
Silver	0.970	0.20	mg/l	1.00		97	80-120			
Matrix Spike Analyzed: 12/02/2010 (10K3604-MS1)					**Source: ITK2287-01**					
Arsenic	1.98	0.20	mg/l	2.00	ND	99	75-125			
Barium	2.01	0.20	mg/l	2.00	ND	100	75-125			
Cadmium	2.04	0.10	mg/l	2.00	0.0233	101	75-125			
Chromium	2.08	0.10	mg/l	2.00	ND	104	75-125			
Lead	2.02	0.10	mg/l	2.00	ND	101	75-125			
Selenium	1.87	0.10	mg/l	2.00	ND	93	75-125			
Silver	0.911	0.20	mg/l	1.00	ND	91	75-125			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

160.3 MOD_0333335x

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 333335 Extracted: 11/29/10										
Duplicate Analyzed: 11/30/2010 (A0K180404003X)					**Source: A0K180404003**					
Percent Solids	83.1	10	%	80.7	80.7	81	2.9-2.9	2.9	20	
Duplicate Analyzed: 11/30/2010 (A0K270401007X)					**Source: A0K270401007**					
Percent Solids	87.3	10	%	86.2	86.2	86	1.2-1.2	1.2	20	
Blank Analyzed: 11/30/2010 (A0K290000335B)					**Source:**					
Percent Solids	ND	10	%				-			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SW846 8151Ax

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 325046 Extracted: 11/22/10										
Blank Analyzed: 11/24/2010 (A0K210000046B)					**Source:**					
2,4,5-T	ND	1	ug/L				-			
2,4,5-TP (Silvex)	ND	1	ug/L				-			
2,4-D	ND	4	ug/L				-			
2,4-DB	ND	4	ug/L				-			
Dalapon	ND	2	ug/L				-			
Dicamba	ND	2	ug/L				-			
Dichlorprop	ND	4	ug/L				-			
Dinoseb	ND	0.6	ug/L				-			
MCPA	ND	400	ug/L				-			
MCPP	ND	400	ug/L				-			
Surrogate: 2,4-Dichlorophenylacetic acid	*31*		*ug/L*	*40*		*78*	*32-112*			
LCS Analyzed: 11/24/2010 (A0K210000046C)					**Source:**					
2,4,5-T	9.6	1	ug/L	10		96	34-121			
2,4,5-TP (Silvex)	8.8	1	ug/L	10		88	41-110			
2,4-D	36	4	ug/L	40		91	35-110			
Surrogate: 2,4-Dichlorophenylacetic acid	*34*		*ug/L*	*40*		*85*	*32-112*			
LCS Dup Analyzed: 11/24/2010 (A0K210000046L)					**Source:**					
2,4,5-T	11	1	ug/L	10		107	34-121	11	30	
2,4,5-TP (Silvex)	9.7	1	ug/L	10		97	41-110	9.8	30	
2,4-D	42	4	ug/L	40		105	35-110	14	30	
Surrogate: 2,4-Dichlorophenylacetic acid	*37*		*ug/L*	*40*		*94*	*32-112*			
Batch: 328031 Extracted: 11/24/10										
Matrix Spike Dup Analyzed: 12/03/2010 (A0K190635001D)					**Source: ITK1857-01**					
2,4,5-T	81	23	ug/kg	120	ND	70	10-139	1.2	30	
2,4,5-TP (Silvex)	82	23	ug/kg	120	ND	70	10-117	2.9	30	
2,4-D	340	93	ug/kg	460	ND	73	15-110	2.4	30	
Surrogate: 2,4-Dichlorophenylacetic acid	*350*		*ug/kg*	*460*		*75*	*19-122*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

METHOD BLANK/QC DATA

SW846 8151Ax

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 328031 Extracted: 11/24/10										
Matrix Spike Analyzed: 12/03/2010 (A0K190635001S)					**Source: ITK1857-01**					
2,4,5-T	82	23	ug/kg	120	ND	70	10-139			
2,4,5-TP (Silvex)	84	23	ug/kg	120	ND	72	10-117			
2,4-D	350	93	ug/kg	460	ND	75	15-110			
Surrogate: 2,4-Dichlorophenylacetic acid	*360*		*ug/kg*	*460*		*77*	*19-122*			
Blank Analyzed: 12/03/2010 (A0K240000031B)					**Source:**					
2,4,5-T	ND	20	ug/kg				-			
2,4,5-TP (Silvex)	ND	20	ug/kg				-			
2,4-D	ND	80	ug/kg				-			
2,4-DB	ND	80	ug/kg				-			
Dalapon	ND	40	ug/kg				-			
Dicamba	ND	40	ug/kg				-			
Dichlorprop	ND	80	ug/kg				-			
Dinoseb	ND	12	ug/kg				-			
MCPA	ND	8000	ug/kg				-			
MCPP	ND	8000	ug/kg				-			
Surrogate: 2,4-Dichlorophenylacetic acid	*280*		*ug/kg*	*400*		*71*	*19-122*			
LCS Analyzed: 12/03/2010 (A0K240000031C)					**Source:**					
2,4,5-T	79	20	ug/kg	100		79	34-114			
2,4,5-TP (Silvex)	85	20	ug/kg	100		85	42-110			
2,4-D	350	80	ug/kg	400		88	33-110			
Surrogate: 2,4-Dichlorophenylacetic acid	*350*		*ug/kg*	*400*		*88*	*19-122*			

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDT	1	122	ITK1857-02	10K2443

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

GCMS CALIBRATION CHECK CRITERIA

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
n-Hydroxymethylphthalimide	2	29%	ITK1857-01	10K2475

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID: Henderson - SRC Water Program	
3995 Via Oro Ave		Sampled: 11/16/10
Long Beach, CA 90810	Report Number: ITK1857	Received: 11/18/10
Attention: Alycia McCord		

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
C-2	Calibration Verification recovery was below the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
J	Estimated result. Result is less than RL.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
R-7	LCS/LCSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1857

Sampled: 11/16/10
Received: 11/18/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EPA 1311-Met	Soil	X	
EPA 1311-Met	Water	X	
EPA 3510C/8081A	Water	X	
EPA 3545/8081A	Soil	X	X
EPA 6010B	Soil	X	X
EPA 6010B	Water	X	X
EPA 6020	Soil	X	X
EPA 6020	Water	X	X
EPA 7470A	Soil		
EPA 7470A	Water	X	
EPA 7471A	Soil	X	X
EPA 8260B	Soil	X	X
EPA 8260B	Water	X	X
EPA 8270C	Soil	X	X
EPA 8270C	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

Subcontracted Laboratories

TestAmerica North Canton

4101 Shuffel Drive NW - North Canton, OH 44720

Method Performed: 160.3 MOD_0333335
Samples: ITK1857-01

Method Performed: SW846 8151A
Samples: ITK1857-01, ITK1857-02

TestAmerica Irvine

Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ITK1852

TAL-4124 (1007)

Client: AECOM	Project Manager: ALYCIA McCORD	Date: 11/17/10	Chain of Custody Number: 165104
Address: 3995 VIA ORO	Telephone Number (Area Code)/Fax Number: 562-213-4152	Lab Number	Page 1 of 1
City: LONG Beach; State: CA; Zip Code: 90810	Site Contact: K. Campbell	Lab Contact: P. Mutal	
Project Name and Location (State): Henderson TRUST	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs 8260B Hand	GRO/D-GT Montana	TCLP metals	8021A+DF-DF-1,3,5	8270C-Hydro	8051	Special Instructions/ Conditions of Receipt
BIN 111610	11/16/10	1720				X	X						X	X	X	X	X	X	
WATER 111610	11/16/10	1700		X			X		X	X			X	X	X	X	X	X	

Analysis (Attach list if more space is needed)

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	11/17/10	1450	1. Received By	11/17/10	1450
2. Relinquished By	11/17/10	1600	2. Received By	11/18/10	1050
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

11/18/10 11:00

11 COUNTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson Waste
601862062

Sampled: 08/28/11-08/31/11
Received: 09/01/11
Issued: 09/21/11 08:41

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID	CLIENT ID	MATRIX
IUI0197-01	IDW082811	Soil
IUI0197-02	IDW083111	Water

Reviewed By:

TestAmerica Irvine

Amy Harris
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
Acetone	EPA 8260B	11I0447	8.0	10	ND	0.998	09/06/11	09/07/11	
Benzene	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
Bromobenzene	EPA 8260B	11I0447	0.84	5.0	ND	0.998	09/06/11	09/07/11	
Bromochloromethane	EPA 8260B	11I0447	0.90	5.0	ND	0.998	09/06/11	09/07/11	
Bromodichloromethane	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
Bromoform	EPA 8260B	11I0447	0.80	5.0	ND	0.998	09/06/11	09/07/11	
Bromomethane	EPA 8260B	11I0447	0.92	5.0	ND	0.998	09/06/11	09/07/11	
2-Butanone (MEK)	EPA 8260B	11I0447	6.0	10	ND	0.998	09/06/11	09/07/11	
n-Butylbenzene	EPA 8260B	11I0447	0.72	5.0	ND	0.998	09/06/11	09/07/11	
sec-Butylbenzene	EPA 8260B	11I0447	0.67	5.0	ND	0.998	09/06/11	09/07/11	
tert-Butylbenzene	EPA 8260B	11I0447	0.62	5.0	ND	0.998	09/06/11	09/07/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Carbon Disulfide	EPA 8260B	11I0447	0.97	5.0	ND	0.998	09/06/11	09/07/11	
Carbon tetrachloride	EPA 8260B	11I0447	0.50	5.0	ND	0.998	09/06/11	09/07/11	
Chlorobenzene	EPA 8260B	11I0447	0.52	2.0	ND	0.998	09/06/11	09/07/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Chloroethane	EPA 8260B	11I0447	1.5	5.0	ND	0.998	09/06/11	09/07/11	
2,2-Dimethylpentane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Chloroform	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	M1
2,3-Dimethylpentane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Chloromethane	EPA 8260B	11I0447	1.0	5.0	ND	0.998	09/06/11	09/07/11	
2,4-Dimethylpentane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
2-Chlorotoluene	EPA 8260B	11I0447	0.87	5.0	ND	0.998	09/06/11	09/07/11	
4-Chlorotoluene	EPA 8260B	11I0447	0.74	5.0	ND	0.998	09/06/11	09/07/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0447	1.5	5.0	ND	0.998	09/06/11	09/07/11	
Dibromochloromethane	EPA 8260B	11I0447	0.70	2.0	ND	0.998	09/06/11	09/07/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0447	0.80	2.0	ND	0.998	09/06/11	09/07/11	
2-Methylhexane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
3,3-Dimethylpentane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Dibromomethane	EPA 8260B	11I0447	0.90	2.0	ND	0.998	09/06/11	09/07/11	
3-Ethylpentane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
3-Methylhexane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
1,2-Dichlorobenzene	EPA 8260B	11I0447	0.95	2.0	ND	0.998	09/06/11	09/07/11	
1,3-Dichlorobenzene	EPA 8260B	11I0447	0.84	2.0	ND	0.998	09/06/11	09/07/11	
1,4-Dichlorobenzene	EPA 8260B	11I0447	0.94	2.0	ND	0.998	09/06/11	09/07/11	
Dichlorodifluoromethane	EPA 8260B	11I0447	1.5	5.0	ND	0.998	09/06/11	09/07/11	
1,1-Dichloroethane	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	M1
1,2-Dichloroethane	EPA 8260B	11I0447	0.80	2.0	ND	0.998	09/06/11	09/07/11	
1,1-Dichloroethene	EPA 8260B	11I0447	0.60	5.0	ND	0.998	09/06/11	09/07/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0447	0.83	2.0	ND	0.998	09/06/11	09/07/11	M1
trans-1,2-Dichloroethene	EPA 8260B	11I0447	0.70	2.0	ND	0.998	09/06/11	09/07/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil) - cont.					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
1,2-Dichloropropane	EPA 8260B	11I0447	0.80	2.0	ND	0.998	09/06/11	09/07/11	
1,3-Dichloropropane	EPA 8260B	11I0447	0.63	2.0	ND	0.998	09/06/11	09/07/11	
2,2-Dichloropropane	EPA 8260B	11I0447	0.60	2.0	ND	0.998	09/06/11	09/07/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0447	0.44	2.0	ND	0.998	09/06/11	09/07/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0447	0.61	2.0	ND	0.998	09/06/11	09/07/11	
1,1-Dichloropropene	EPA 8260B	11I0447	0.40	2.0	ND	0.998	09/06/11	09/07/11	
Ethylbenzene	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
Dimethyl disulfide	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Hexachlorobutadiene	EPA 8260B	11I0447	0.80	5.0	ND	0.998	09/06/11	09/07/11	
2-Hexanone	EPA 8260B	11I0447	9.1	10	ND	0.998	09/06/11	09/07/11	
Isopropylbenzene	EPA 8260B	11I0447	0.54	2.0	ND	0.998	09/06/11	09/07/11	
n-Heptane	EPA 8260B	11I0447	1.0	2.0	ND	0.998	09/06/11	09/07/11	
Nonanal	EPA 8260B	11I0447	3.9	5.0	ND	0.998	09/06/11	09/07/11	
p-Isopropyltoluene	EPA 8260B	11I0447	0.72	2.0	ND	0.998	09/06/11	09/07/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0447	4.5	5.0	ND	0.998	09/06/11	09/07/11	
Methylene chloride	EPA 8260B	11I0447	6.5	20	ND	0.998	09/06/11	09/07/11	
Naphthalene	EPA 8260B	11I0447	1.1	5.0	ND	0.998	09/06/11	09/07/11	
n-Propylbenzene	EPA 8260B	11I0447	0.61	2.0	ND	0.998	09/06/11	09/07/11	
Styrene	EPA 8260B	11I0447	0.58	2.0	ND	0.998	09/06/11	09/07/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0447	0.57	5.0	ND	0.998	09/06/11	09/07/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0447	0.86	2.0	ND	0.998	09/06/11	09/07/11	
Tetrachloroethene	EPA 8260B	11I0447	0.49	2.0	ND	0.998	09/06/11	09/07/11	
Toluene	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0447	1.0	5.0	**1.2**	0.998	09/06/11	09/07/11	J
1,2,4-Trichlorobenzene	EPA 8260B	11I0447	1.0	5.0	**5.5**	0.998	09/06/11	09/07/11	
1,1,1-Trichloroethane	EPA 8260B	11I0447	0.70	2.0	ND	0.998	09/06/11	09/07/11	
1,1,2-Trichloroethane	EPA 8260B	11I0447	0.87	2.0	ND	0.998	09/06/11	09/07/11	
Trichloroethene	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
Trichlorofluoromethane	EPA 8260B	11I0447	0.54	5.0	ND	0.998	09/06/11	09/07/11	
1,2,3-Trichloropropane	EPA 8260B	11I0447	1.0	10	ND	0.998	09/06/11	09/07/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0447	0.78	2.0	ND	0.998	09/06/11	09/07/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0447	0.63	2.0	ND	0.998	09/06/11	09/07/11	
Vinyl chloride	EPA 8260B	11I0447	0.91	5.0	ND	0.998	09/06/11	09/07/11	
m,p-Xylenes	EPA 8260B	11I0447	0.80	2.0	ND	0.998	09/06/11	09/07/11	
o-Xylene	EPA 8260B	11I0447	0.50	2.0	ND	0.998	09/06/11	09/07/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0447	1.0	5.0	ND	0.998	09/06/11	09/07/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*93 %*				
Surrogate: Dibromofluoromethane (80-125%)					*144 %*				*ZX*
Surrogate: Toluene-d8 (80-120%)					*104 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0397	4.5	10	**21**	1	09/06/11	09/07/11	
Benzene	EPA 8260B	11I0397	0.28	2.0	**78**	1	09/06/11	09/07/11	
Bromobenzene	EPA 8260B	11I0397	0.27	5.0	ND	1	09/06/11	09/07/11	
Bromochloromethane	EPA 8260B	11I0397	0.40	5.0	ND	1	09/06/11	09/07/11	
Bromodichloromethane	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	
Bromoform	EPA 8260B	11I0397	0.40	5.0	ND	1	09/06/11	09/07/11	
Bromomethane	EPA 8260B	11I0397	0.42	5.0	ND	1	09/06/11	09/07/11	
2-Butanone (MEK)	EPA 8260B	11I0397	4.7	10	ND	1	09/06/11	09/07/11	
n-Butylbenzene	EPA 8260B	11I0397	0.37	2.0	ND	1	09/06/11	09/07/11	
sec-Butylbenzene	EPA 8260B	11I0397	0.25	5.0	ND	1	09/06/11	09/07/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
tert-Butylbenzene	EPA 8260B	11I0397	0.22	5.0	ND	1	09/06/11	09/07/11	
Carbon Disulfide	EPA 8260B	11I0397	0.48	5.0	ND	1	09/06/11	09/07/11	
Carbon tetrachloride	EPA 8260B	11I0397	0.28	5.0	ND	1	09/06/11	09/07/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Chlorobenzene	EPA 8260B	11I0397	0.36	2.0	**83**	1	09/06/11	09/07/11	
2,2-Dimethylpentane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Chloroethane	EPA 8260B	11I0397	0.40	5.0	ND	1	09/06/11	09/07/11	
2,3-Dimethylpentane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
2,4-Dimethylpentane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Chloroform	EPA 8260B	11I0397	0.33	2.0	**14**	1	09/06/11	09/07/11	
Chloromethane	EPA 8260B	11I0397	0.40	5.0	ND	1	09/06/11	09/07/11	
2-Chlorotoluene	EPA 8260B	11I0397	0.28	5.0	ND	1	09/06/11	09/07/11	
4-Chlorotoluene	EPA 8260B	11I0397	0.29	5.0	ND	1	09/06/11	09/07/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0397	0.97	5.0	ND	1	09/06/11	09/07/11	
2-Methylhexane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
3,3-Dimethylpentane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Dibromochloromethane	EPA 8260B	11I0397	0.40	2.0	ND	1	09/06/11	09/07/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0397	0.40	2.0	ND	1	09/06/11	09/07/11	
3-Ethylpentane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
3-Methylhexane	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Dibromomethane	EPA 8260B	11I0397	0.36	2.0	ND	1	09/06/11	09/07/11	
1,2-Dichlorobenzene	EPA 8260B	11I0397	0.32	2.0	**3.6**	1	09/06/11	09/07/11	
1,3-Dichlorobenzene	EPA 8260B	11I0397	0.35	2.0	ND	1	09/06/11	09/07/11	
1,4-Dichlorobenzene	EPA 8260B	11I0397	0.37	2.0	**4.5**	1	09/06/11	09/07/11	
Dichlorodifluoromethane	EPA 8260B	11I0397	0.26	5.0	ND	1	09/06/11	09/07/11	
1,1-Dichloroethane	EPA 8260B	11I0397	0.40	2.0	**0.92**	1	09/06/11	09/07/11	J
1,2-Dichloroethane	EPA 8260B	11I0397	0.28	2.0	**0.52**	1	09/06/11	09/07/11	J
1,1-Dichloroethene	EPA 8260B	11I0397	0.42	5.0	ND	1	09/06/11	09/07/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0397	0.32	2.0	ND	1	09/06/11	09/07/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water) - cont.					**Sampled: 08/31/11**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	11I0397	0.35	2.0	ND	1	09/06/11	09/07/11	
1,3-Dichloropropane	EPA 8260B	11I0397	0.32	5.0	ND	1	09/06/11	09/07/11	
2,2-Dichloropropane	EPA 8260B	11I0397	0.34	2.0	ND	1	09/06/11	09/07/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0397	0.22	2.0	ND	1	09/06/11	09/07/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0397	0.32	2.0	ND	1	09/06/11	09/07/11	
1,1-Dichloropropene	EPA 8260B	11I0397	0.28	2.0	ND	1	09/06/11	09/07/11	
Dimethyl disulfide	EPA 8260B	11I0397	0.50	2.0	ND	1	09/06/11	09/07/11	
Ethylbenzene	EPA 8260B	11I0397	0.25	2.0	ND	1	09/06/11	09/07/11	
Hexachlorobutadiene	EPA 8260B	11I0397	0.38	5.0	ND	1	09/06/11	09/07/11	
2-Hexanone	EPA 8260B	11I0397	2.6	10	ND	1	09/06/11	09/07/11	
n-Heptane	EPA 8260B	11I0397	0.50	5.0	ND	1	09/06/11	09/07/11	
Nonanal	EPA 8260B	11I0397	1.5	5.0	ND	1	09/06/11	09/07/11	
Isopropylbenzene	EPA 8260B	11I0397	0.25	2.0	ND	1	09/06/11	09/07/11	
p-Isopropyltoluene	EPA 8260B	11I0397	0.28	2.0	ND	1	09/06/11	09/07/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0397	3.5	10	ND	1	09/06/11	09/07/11	
Methylene chloride	EPA 8260B	11I0397	0.95	5.0	**1.2**	1	09/06/11	09/07/11	J
Naphthalene	EPA 8260B	11I0397	0.41	5.0	ND	1	09/06/11	09/07/11	
n-Propylbenzene	EPA 8260B	11I0397	0.27	2.0	ND	1	09/06/11	09/07/11	
Styrene	EPA 8260B	11I0397	0.20	2.0	ND	1	09/06/11	09/07/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0397	0.27	5.0	ND	1	09/06/11	09/07/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	
Tetrachloroethene	EPA 8260B	11I0397	0.32	2.0	ND	1	09/06/11	09/07/11	
Toluene	EPA 8260B	11I0397	0.36	2.0	ND	1	09/06/11	09/07/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0397	0.30	5.0	ND	1	09/06/11	09/07/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0397	0.48	5.0	**0.51**	1	09/06/11	09/07/11	J
1,1,1-Trichloroethane	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	
1,1,2-Trichloroethane	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	
Trichloroethene	EPA 8260B	11I0397	0.26	2.0	ND	1	09/06/11	09/07/11	
Trichlorofluoromethane	EPA 8260B	11I0397	0.34	5.0	ND	1	09/06/11	09/07/11	
1,2,3-Trichloropropane	EPA 8260B	11I0397	0.40	10	ND	1	09/06/11	09/07/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0397	0.23	2.0	ND	1	09/06/11	09/07/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0397	0.26	2.0	ND	1	09/06/11	09/07/11	
Vinyl chloride	EPA 8260B	11I0397	0.40	2.0	ND	1	09/06/11	09/07/11	
m,p-Xylenes	EPA 8260B	11I0397	0.60	2.0	ND	1	09/06/11	09/07/11	
o-Xylene	EPA 8260B	11I0397	0.30	2.0	ND	1	09/06/11	09/07/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0397	0.32	5.0	ND	1	09/06/11	09/07/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Acenaphthylene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Aniline	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
Anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Benzo(a)anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Benzo(a)pyrene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Benzo(b)fluoranthene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/12/11	
Benzo(g,h,i)perylene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/12/11	
Benzo(k)fluoranthene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Benzoic acid	EPA 8270C	11I0491	9.5	19	**36**	0.948	09/06/11	09/12/11	
Benzyl alcohol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/12/11	
4-Bromophenyl phenyl ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Butyl benzyl phthalate	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/12/11	
4-Chloro-3-methylphenol	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/12/11	
4-Chloroaniline	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/12/11	
Bis(2-chloroethoxy)methane	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Bis(2-chloroethyl)ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Bis(2-chloroisopropyl)ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Bis(2-ethylhexyl)phthalate	EPA 8270C	11I0491	3.8	47	ND	0.948	09/06/11	09/12/11	
2-Chloronaphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
2-Chlorophenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
4-Chlorophenyl phenyl ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Chrysene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Dibenz(a,h)anthracene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/12/11	
Dibenzofuran	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/12/11	
Di-n-butyl phthalate	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/12/11	
1,2-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
1,3-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
1,4-Dichlorobenzene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	11I0491	4.3	9.5	ND	0.948	09/06/11	09/12/11	
3,3'-Dichlorobenzidine	EPA 8270C	11I0491	7.1	19	ND	0.948	09/06/11	09/12/11	
2,4-Dichlorophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
Diethyl phthalate	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
2,4-Dimethylphenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/12/11	
Dimethyl phthalate	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
4,6-Dinitro-2-methylphenol	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/12/11	
2,4-Dinitrophenol	EPA 8270C	11I0491	7.6	19	ND	0.948	09/06/11	09/12/11	
2,4-Dinitrotoluene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
2,6-Dinitrotoluene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/12/11	
Di-n-octyl phthalate	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/12/11	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/12/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water) - cont.					**Sampled: 08/31/11**				
Reporting Units: ug/l									
Fluoranthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Fluorene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Hexachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Hexachlorobutadiene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/12/11	
Hexachlorocyclopentadiene	EPA 8270C	11I0491	4.7	19	ND	0.948	09/06/11	09/12/11	
Hexachloroethane	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
Indeno(1,2,3-cd)pyrene	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/12/11	
Isophorone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
2-Methylnaphthalene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/12/11	
2-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
4-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Naphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
2-Nitroaniline	EPA 8270C	11I0491	1.9	19	ND	0.948	09/06/11	09/12/11	
3-Nitroaniline	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/12/11	
4-Nitroaniline	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/12/11	
Nitrobenzene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/12/11	
2-Nitrophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
4-Nitrophenol	EPA 8270C	11I0491	5.2	19	ND	0.948	09/06/11	09/12/11	
N-Nitroso-di-n-propylamine	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
N-Nitrosodimethylamine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/12/11	
N-Nitrosodiphenylamine	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/12/11	
Pentachlorophenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/12/11	
Phenanthrene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
Phenol	EPA 8270C	11I0491	1.9	9.5	**4.7**	0.948	09/06/11	09/12/11	J
Pyrene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/12/11	
Pyridine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/12/11	
1,2,4-Trichlorobenzene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
2,4,5-Trichlorophenol	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/12/11	
2,4,6-Trichlorophenol	EPA 8270C	11I0491	4.3	19	ND	0.948	09/06/11	09/12/11	
n-Hydroxymethylphthalimide	EPA 8270C	11I0491	24	190	ND	0.948	09/06/11	09/12/11	
Octachlorostyrene	EPA 8270C	11I0491	6.2	19	ND	0.948	09/06/11	09/12/11	
Pentachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Phenyl disulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Phenyl sulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
Thiophenol	EPA 8270C	11I0491	28	190	ND	0.948	09/06/11	09/12/11	
4,4'-Dichlorobenzophenone	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/12/11	
4-Chlorobenzenethiol	EPA 8270C	11I0491	38	190	ND	0.948	09/06/11	09/12/11	
4-Chlorophenyl methyl sulfide	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
4-Chlorophenyl methyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
4-Chlorophenyl sulfone	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/12/11	
Benzophenone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water) - cont.					**Sampled: 08/31/11**				
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/12/11	
Diphenyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/12/11	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*84 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*71 %*				
Surrogate: 2-Fluorophenol (30-120%)					*48 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*76 %*				
Surrogate: Phenol-d6 (35-120%)					*60 %*				
Surrogate: Terphenyl-d14 (50-125%)					*41 %*				*Z*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
Acenaphthene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Acenaphthylene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Aniline	EPA 8270C	11I0609	85	420	ND	1	09/07/11	09/09/11	
Anthracene	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
Benzo(a)anthracene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Benzo(a)pyrene	EPA 8270C	11I0609	55	330	ND	1	09/07/11	09/09/11	
Benzo(b)fluoranthene	EPA 8270C	11I0609	50	330	ND	1	09/07/11	09/09/11	
Benzo(g,h,i)perylene	EPA 8270C	11I0609	110	330	ND	1	09/07/11	09/09/11	
Benzo(k)fluoranthene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Benzoic acid	EPA 8270C	11I0609	150	830	ND	1	09/07/11	09/09/11	C
Benzyl alcohol	EPA 8270C	11I0609	200	330	ND	1	09/07/11	09/09/11	
4-Bromophenyl phenyl ether	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
Butyl benzyl phthalate	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
4-Chloro-3-methylphenol	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
4-Chloroaniline	EPA 8270C	11I0609	120	330	ND	1	09/07/11	09/09/11	
Bis(2-chloroethoxy)methane	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Bis(2-chloroethyl)ether	EPA 8270C	11I0609	60	170	ND	1	09/07/11	09/09/11	
Bis(2-chloroisopropyl)ether	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Bis(2-ethylhexyl)phthalate	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
2-Chloronaphthalene	EPA 8270C	11I0609	65	330	ND	1	09/07/11	09/09/11	
2-Chlorophenol	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
4-Chlorophenyl phenyl ether	EPA 8270C	11I0609	85	330	ND	1	09/07/11	09/09/11	
Chrysene	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
Dibenz(a,h)anthracene	EPA 8270C	11I0609	100	420	ND	1	09/07/11	09/09/11	
Dibenzofuran	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Di-n-butyl phthalate	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
1,2-Dichlorobenzene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
1,3-Dichlorobenzene	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
1,4-Dichlorobenzene	EPA 8270C	11I0609	65	330	ND	1	09/07/11	09/09/11	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	11I0609	100	330	ND	1	09/07/11	09/09/11	
3,3'-Dichlorobenzidine	EPA 8270C	11I0609	150	830	ND	1	09/07/11	09/09/11	
2,4-Dichlorophenol	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Diethyl phthalate	EPA 8270C	11I0609	95	330	ND	1	09/07/11	09/09/11	
2,4-Dimethylphenol	EPA 8270C	11I0609	100	330	ND	1	09/07/11	09/09/11	
Dimethyl phthalate	EPA 8270C	11I0609	65	330	ND	1	09/07/11	09/09/11	
4,6-Dinitro-2-methylphenol	EPA 8270C	11I0609	110	420	ND	1	09/07/11	09/09/11	
2,4-Dinitrophenol	EPA 8270C	11I0609	110	660	ND	1	09/07/11	09/09/11	
2,4-Dinitrotoluene	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
2,6-Dinitrotoluene	EPA 8270C	11I0609	95	330	ND	1	09/07/11	09/09/11	
Di-n-octyl phthalate	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil) - cont.					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
Fluoranthene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Fluorene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Hexachlorobenzene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
Hexachlorobutadiene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Hexachlorocyclopentadiene	EPA 8270C	11I0609	90	830	ND	1	09/07/11	09/09/11	
Hexachloroethane	EPA 8270C	11I0609	65	330	ND	1	09/07/11	09/09/11	
Indeno(1,2,3-cd)pyrene	EPA 8270C	11I0609	130	330	ND	1	09/07/11	09/09/11	
Isophorone	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
2-Methylnaphthalene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
2-Methylphenol	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
4-Methylphenol	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
Naphthalene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
2-Nitroaniline	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
3-Nitroaniline	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
4-Nitroaniline	EPA 8270C	11I0609	90	830	ND	1	09/07/11	09/09/11	
Nitrobenzene	EPA 8270C	11I0609	70	330	ND	1	09/07/11	09/09/11	
2-Nitrophenol	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
4-Nitrophenol	EPA 8270C	11I0609	140	830	ND	1	09/07/11	09/09/11	
N-Nitroso-di-n-propylamine	EPA 8270C	11I0609	70	250	ND	1	09/07/11	09/09/11	
N-Nitrosodimethylamine	EPA 8270C	11I0609	55	330	ND	1	09/07/11	09/09/11	
N-Nitrosodiphenylamine	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
Pentachlorophenol	EPA 8270C	11I0609	150	830	ND	1	09/07/11	09/09/11	
Phenanthrene	EPA 8270C	11I0609	60	330	ND	1	09/07/11	09/09/11	
Phenol	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
Pyrene	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
Pyridine	EPA 8270C	11I0609	70	200	ND	1	09/07/11	09/09/11	
1,2,4-Trichlorobenzene	EPA 8270C	11I0609	50	330	ND	1	09/07/11	09/09/11	
2,4,5-Trichlorophenol	EPA 8270C	11I0609	130	330	ND	1	09/07/11	09/09/11	
2,4,6-Trichlorophenol	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
n-Hydroxymethylphthalimide	EPA 8270C	11I0609	2300	6600	ND	1	09/07/11	09/09/11	
Octachlorostyrene	EPA 8270C	11I0609	2300	3300	ND	1	09/07/11	09/09/11	
Pentachlorobenzene	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
Phenyl disulfide	EPA 8270C	11I0609	140	330	ND	1	09/07/11	09/09/11	
Phenyl sulfide	EPA 8270C	11I0609	75	330	ND	1	09/07/11	09/09/11	
4-Chlorobenzenethiol	EPA 8270C	11I0609	2000	6600	ND	1	09/07/11	09/09/11	
Thiophenol	EPA 8270C	11I0609	2600	6600	ND	1	09/07/11	09/09/11	
4,4'-Dichlorobenzophenone	EPA 8270C	11I0609	82	330	ND	1	09/07/11	09/09/11	
4-Chlorophenyl methyl sulfide	EPA 8270C	11I0609	80	330	ND	1	09/07/11	09/09/11	
4-Chlorophenyl methyl sulfone	EPA 8270C	11I0609	85	330	ND	1	09/07/11	09/09/11	
4-Chlorophenyl sulfone	EPA 8270C	11I0609	85	330	ND	1	09/07/11	09/09/11	
Benzophenone	EPA 8270C	11I0609	74	330	ND	1	09/07/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil) - cont.					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
bis(4-chlorophenyl)disulfide	EPA 8270C	11I0609	180	330	ND	1	09/07/11	09/09/11	
Diphenyl sulfone	EPA 8270C	11I0609	1500	6600	ND	1	09/07/11	09/09/11	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	11I0609	90	330	ND	1	09/07/11	09/09/11	
Surrogate: 2,4,6-Tribromophenol (35-125%)					*102 %*				
Surrogate: 2-Fluorobiphenyl (35-120%)					*85 %*				
Surrogate: 2-Fluorophenol (25-120%)					*95 %*				
Surrogate: Nitrobenzene-d5 (30-120%)					*82 %*				
Surrogate: Phenol-d6 (35-120%)					*97 %*				
Surrogate: Terphenyl-d14 (40-135%)					*95 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

ORGANOCHLORINE PESTICIDES (EPA 3546/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: ug/kg									
2,4'-DDD	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
2,4'-DDE	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
2,4'-DDT	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
4,4'-DDD	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
4,4'-DDE	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
4,4'-DDT	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Aldrin	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
alpha-BHC	EPA 8081A	11I0502	1.5	5.0	**14**	1	09/06/11	09/07/11	
beta-BHC	EPA 8081A	11I0502	1.5	5.0	**5.0**	1	09/06/11	09/07/11	
delta-BHC	EPA 8081A	11I0502	1.5	10	**18**	1	09/06/11	09/07/11	
Dieldrin	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Endosulfan I	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Endosulfan II	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Endosulfan sulfate	EPA 8081A	11I0502	2.0	10	ND	1	09/06/11	09/07/11	
Endrin	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Endrin aldehyde	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Endrin ketone	EPA 8081A	11I0502	2.0	5.0	ND	1	09/06/11	09/07/11	
gamma-BHC (Lindane)	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Heptachlor	EPA 8081A	11I0502	2.0	5.0	ND	1	09/06/11	09/07/11	
Heptachlor epoxide	EPA 8081A	11I0502	2.0	5.0	ND	1	09/06/11	09/07/11	
Methoxychlor	EPA 8081A	11I0502	1.5	5.0	ND	1	09/06/11	09/07/11	
Chlordane	EPA 8081A	11I0502	10	50	ND	1	09/06/11	09/07/11	
Toxaphene	EPA 8081A	11I0502	50	200	ND	1	09/06/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*80 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*78 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: ug/l									
2,4'-DDD	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDE	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDT	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
4,4'-DDD	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDE	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDT	EPA 8081A	11I0569	0.019	0.094	**0.034**	0.943	09/07/11	09/07/11	J
Aldrin	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
alpha-BHC	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
beta-BHC	EPA 8081A	11I0569	0.028	0.094	**0.059**	0.943	09/07/11	09/07/11	J
delta-BHC	EPA 8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Dieldrin	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan I	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan II	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan sulfate	EPA 8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Endrin	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin aldehyde	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin ketone	EPA 8081A	11I0569	0.038	0.094	ND	0.943	09/07/11	09/07/11	
gamma-BHC (Lindane)	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Heptachlor	EPA 8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Heptachlor epoxide	EPA 8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Methoxychlor	EPA 8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Chlordane	EPA 8081A	11I0569	0.19	0.94	ND	0.943	09/07/11	09/07/11	
Toxaphene	EPA 8081A	11I0569	0.47	4.7	ND	0.943	09/07/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*76 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*79 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

Herbicides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-02 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: mg/L									
Dinoseb	8151A ALL	13216	0.00012	0.00086	ND	20	09/07/11	09/12/11	
Sample ID: IUI0197-02RE1 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: mg/L									
2,4,5-T	8151A ALLRE1	13216	0.000092	0.00095	**0.00017**	20	09/07/11	09/12/11	J
2,4-D	8151A ALLRE1	13216	0.00043	0.0038	ND	20	09/07/11	09/12/11	
2,4-DB	8151A ALLRE1	13216	0.00044	0.0038	ND	20	09/07/11	09/12/11	
Dalapon	8151A ALLRE1	13216	0.00066	0.0048	ND	20	09/07/11	09/12/11	
Dicamba	8151A ALLRE1	13216	0.00025	0.0019	ND	20	09/07/11	09/12/11	
Dichlorprop	8151A ALLRE1	13216	0.00051	0.0038	ND	20	09/07/11	09/12/11	
MCPA	8151A ALLRE1	13216	0.049	0.38	ND	20	09/07/11	09/12/11	
MCPP	8151A ALLRE1	13216	0.044	0.38	ND	20	09/07/11	09/12/11	
Pentachlorophenol	8151A ALLRE1	13216	0.000074	0.00048	ND	20	09/07/11	09/12/11	
Silvex (2,4,5-TP)	8151A ALLRE1	13216	0.00010	0.00095	ND	20	09/07/11	09/12/11	
Surrogate: 2,4-Dichlorophenylacetic acid (32-140%)					*78 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

Herbicides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: ug/Kg									
MCPA	8151A ALL	13057	1600	8000	ND	20	09/05/11	09/14/11	
MCPP	8151A ALL	13057	1600	8000	ND	20	09/05/11	09/14/11	
Sample ID: IUI0197-01RE1 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: ug/Kg									
2,4,5-T	8151A ALLRE1	13057	2.5	20	ND	20	09/05/11	09/14/11	
2,4-D	8151A ALLRE1	13057	5.5	80	ND	20	09/05/11	09/14/11	
2,4-DB	8151A ALLRE1	13057	6.1	80	ND	20	09/05/11	09/14/11	
Dalapon	8151A ALLRE1	13057	7.1	90	ND	20	09/05/11	09/14/11	
Dicamba	8151A ALLRE1	13057	4.8	40	ND	20	09/05/11	09/14/11	
Dichlorprop	8151A ALLRE1	13057	9.5	80	ND	20	09/05/11	09/14/11	
Dinoseb	8151A ALLRE1	13057	4.5	12	ND	20	09/05/11	09/14/11	
Pentachlorophenol	8151A ALLRE1	13057	1.1	11	ND	20	09/05/11	09/14/11	
Silvex (2,4,5-TP)	8151A ALLRE1	13057	2.1	20	ND	20	09/05/11	09/14/11	
Surrogate: 2,4-Dichlorophenylacetic acid (42-140%)					*83 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

TCLP METALS

Analyte	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	TCLP Limit	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)					**Sampled: 08/28/11**				
Reporting Units: mg/l									
Mercury	11I1008	0.0010	0.0020	ND	1	0.2	9/9/2011	9/9/2011	
Arsenic	11I0759	0.090	0.10	**0.12**	1	5.0	9/8/2011	9/9/2011	
Barium	11I0759	0.030	0.10	**0.40**	1	100.0	9/8/2011	9/9/2011	
Cadmium	11I0759	0.010	0.10	ND	1	1.0	9/8/2011	9/9/2011	
Chromium	11I0759	0.090	0.20	ND	1	5.0	9/8/2011	9/9/2011	
Lead	11I0759	0.020	0.10	ND	1	5.0	9/8/2011	9/9/2011	
Selenium	11I0759	0.050	0.10	ND	1	1.0	9/8/2011	9/9/2011	
Silver	11I0759	0.010	0.10	ND	1	5.0	9/8/2011	9/9/2011	
Sample ID: IUI0197-02 (IDW083111 - Water)					**Sampled: 08/31/11**				
Reporting Units: mg/l									
Mercury	11I1008	0.0010	0.0020	ND	1	0.2	9/9/2011	9/9/2011	
Arsenic	11I0758	0.090	0.10	ND	1	5.0	9/7/2011	9/9/2011	
Barium	11I0758	0.030	0.10	**0.083**	1	100.0	9/7/2011	9/9/2011	J
Cadmium	11I0758	0.010	0.10	ND	1	1.0	9/7/2011	9/9/2011	
Chromium	11I0758	0.090	0.20	ND	1	5.0	9/7/2011	9/9/2011	
Lead	11I0758	0.020	0.10	ND	1	5.0	9/7/2011	9/9/2011	
Selenium	11I0758	0.050	0.10	ND	1	1.0	9/7/2011	9/9/2011	
Silver	11I0758	0.010	0.10	ND	1	5.0	9/7/2011	9/9/2011	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

TCLP EXTRACTION - Metals

Analyte	Method	Batch	Extraction Start Date	Extraction End Date	Data Qualifiers
Sample ID: IUI0197-01 (IDW082811 - Soil)			**Sampled: 08/28/11**		
Extraction	EPA 1311-Met	11I0559	9/6/2011	9/7/2011	
Sample ID: IUI0197-02 (IDW083111 - Water)			**Sampled: 08/31/11**		
Extraction	EPA 1311-Met	11I0731	9/7/2011	9/7/2011	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0397-BLK1)											
Acetone	ND	10	4.5	ug/l							
Benzene	ND	2.0	0.28	ug/l							
Bromobenzene	ND	5.0	0.27	ug/l							
Bromochloromethane	ND	5.0	0.40	ug/l							
Bromodichloromethane	ND	2.0	0.30	ug/l							
Bromoform	ND	5.0	0.40	ug/l							
Bromomethane	ND	5.0	0.42	ug/l							
2-Butanone (MEK)	ND	10	4.7	ug/l							
n-Butylbenzene	ND	2.0	0.37	ug/l							
sec-Butylbenzene	ND	5.0	0.25	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	0.50	ug/l							
tert-Butylbenzene	ND	5.0	0.22	ug/l							
Carbon Disulfide	ND	5.0	0.48	ug/l							
Carbon tetrachloride	ND	5.0	0.28	ug/l							
2,2,3-Trimethylbutane	ND	2.0	0.50	ug/l							
Chlorobenzene	ND	2.0	0.36	ug/l							
2,2-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroethane	ND	5.0	0.40	ug/l							
2,3-Dimethylpentane	ND	2.0	0.50	ug/l							
2,4-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroform	ND	2.0	0.33	ug/l							
Chloromethane	ND	5.0	0.40	ug/l							
2-Chlorotoluene	ND	5.0	0.28	ug/l							
4-Chlorotoluene	ND	5.0	0.29	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	0.97	ug/l							
2-Methylhexane	ND	2.0	0.50	ug/l							
3,3-Dimethylpentane	ND	2.0	0.50	ug/l							
Dibromochloromethane	ND	2.0	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	0.40	ug/l							
3-Ethylpentane	ND	2.0	0.50	ug/l							
3-Methylhexane	ND	2.0	0.50	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0397-BLK1)											
Dibromomethane	ND	2.0	0.36	ug/l							
1,2-Dichlorobenzene	ND	2.0	0.32	ug/l							
1,3-Dichlorobenzene	ND	2.0	0.35	ug/l							
1,4-Dichlorobenzene	ND	2.0	0.37	ug/l							
Dichlorodifluoromethane	ND	5.0	0.26	ug/l							
1,1-Dichloroethane	ND	2.0	0.40	ug/l							
1,2-Dichloroethane	ND	2.0	0.28	ug/l							
1,1-Dichloroethene	ND	5.0	0.42	ug/l							
cis-1,2-Dichloroethene	ND	2.0	0.32	ug/l							
trans-1,2-Dichloroethene	ND	2.0	0.30	ug/l							
1,2-Dichloropropane	ND	2.0	0.35	ug/l							
1,3-Dichloropropane	ND	5.0	0.32	ug/l							
2,2-Dichloropropane	ND	2.0	0.34	ug/l							
cis-1,3-Dichloropropene	ND	2.0	0.22	ug/l							
trans-1,3-Dichloropropene	ND	2.0	0.32	ug/l							
1,1-Dichloropropene	ND	2.0	0.28	ug/l							
Dimethyl disulfide	ND	2.0	0.50	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Hexachlorobutadiene	ND	5.0	0.38	ug/l							
2-Hexanone	ND	10	2.6	ug/l							
n-Heptane	ND	5.0	0.50	ug/l							
Nonanal	ND	5.0	1.5	ug/l							
Isopropylbenzene	ND	2.0	0.25	ug/l							
p-Isopropyltoluene	ND	2.0	0.28	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	3.5	ug/l							
Methylene chloride	ND	5.0	0.95	ug/l							
Naphthalene	ND	5.0	0.41	ug/l							
n-Propylbenzene	ND	2.0	0.27	ug/l							
Styrene	ND	2.0	0.20	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	0.27	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0397-BLK1)											
Tetrachloroethene	ND	2.0	0.32	ug/l							
Toluene	ND	2.0	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	0.48	ug/l							
1,1,1-Trichloroethane	ND	2.0	0.30	ug/l							
1,1,2-Trichloroethane	ND	2.0	0.30	ug/l							
Trichloroethene	ND	2.0	0.26	ug/l							
Trichlorofluoromethane	ND	5.0	0.34	ug/l							
1,2,3-Trichloropropane	ND	10	0.40	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	0.23	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	0.26	ug/l							
Vinyl chloride	ND	2.0	0.40	ug/l							
m,p-Xylenes	ND	2.0	0.60	ug/l							
o-Xylene	ND	2.0	0.30	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 09/06/2011 (11I0397-BS1)											
Acetone	16.5	10	4.5	ug/l	25.0		66	30-140			
Benzene	24.4	2.0	0.28	ug/l	25.0		98	70-120			
Bromobenzene	25.7	5.0	0.27	ug/l	25.0		103	75-120			
Bromochloromethane	25.2	5.0	0.40	ug/l	25.0		101	70-130			
Bromodichloromethane	25.5	2.0	0.30	ug/l	25.0		102	70-135			
Bromoform	24.3	5.0	0.40	ug/l	25.0		97	55-130			
Bromomethane	25.0	5.0	0.42	ug/l	25.0		100	65-140			
2-Butanone (MEK)	25.3	10	4.7	ug/l	25.0		101	40-140			
n-Butylbenzene	27.6	2.0	0.37	ug/l	25.0		110	70-130			
sec-Butylbenzene	27.4	5.0	0.25	ug/l	25.0		110	70-125			
tert-Butylbenzene	27.0	5.0	0.22	ug/l	25.0		108	70-125			
Carbon Disulfide	22.6	5.0	0.48	ug/l	25.0		90	50-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0397-BS1)											
Carbon tetrachloride	26.4	5.0	0.28	ug/l	25.0		105	65-140			
Chlorobenzene	25.0	2.0	0.36	ug/l	25.0		100	75-120			
Chloroethane	24.4	5.0	0.40	ug/l	25.0		98	60-140			
Chloroform	24.6	2.0	0.33	ug/l	25.0		98	70-130			
Chloromethane	21.2	5.0	0.40	ug/l	25.0		85	50-140			
2-Chlorotoluene	27.1	5.0	0.28	ug/l	25.0		108	70-125			
4-Chlorotoluene	27.0	5.0	0.29	ug/l	25.0		108	75-125			
1,2-Dibromo-3-chloropropane	24.4	5.0	0.97	ug/l	25.0		97	50-135			
Dibromochloromethane	22.8	2.0	0.40	ug/l	25.0		91	70-140			
1,2-Dibromoethane (EDB)	25.0	2.0	0.40	ug/l	25.0		100	75-125			
Dibromomethane	26.0	2.0	0.36	ug/l	25.0		104	70-125			
1,2-Dichlorobenzene	25.4	2.0	0.32	ug/l	25.0		101	75-120			
1,3-Dichlorobenzene	25.0	2.0	0.35	ug/l	25.0		100	75-120			
1,4-Dichlorobenzene	23.6	2.0	0.37	ug/l	25.0		94	75-120			
Dichlorodifluoromethane	17.6	5.0	0.26	ug/l	25.0		70	35-155			
1,1-Dichloroethane	25.3	2.0	0.40	ug/l	25.0		101	70-125			
1,2-Dichloroethane	24.3	2.0	0.28	ug/l	25.0		97	60-140			
1,1-Dichloroethene	23.4	5.0	0.42	ug/l	25.0		94	70-125			
cis-1,2-Dichloroethene	26.0	2.0	0.32	ug/l	25.0		104	70-125			
trans-1,2-Dichloroethene	23.9	2.0	0.30	ug/l	25.0		96	70-125			
1,2-Dichloropropane	25.2	2.0	0.35	ug/l	25.0		101	70-125			
1,3-Dichloropropane	26.5	5.0	0.32	ug/l	25.0		106	70-120			
2,2-Dichloropropane	27.1	2.0	0.34	ug/l	25.0		108	65-140			
cis-1,3-Dichloropropene	25.9	2.0	0.22	ug/l	25.0		103	75-125			
trans-1,3-Dichloropropene	28.7	2.0	0.32	ug/l	25.0		115	70-125			
1,1-Dichloropropene	25.0	2.0	0.28	ug/l	25.0		100	75-130			
Ethylbenzene	26.7	2.0	0.25	ug/l	25.0		107	75-125			
Hexachlorobutadiene	24.7	5.0	0.38	ug/l	25.0		99	65-135			
2-Hexanone	23.2	10	2.6	ug/l	25.0		93	45-140			
Isopropylbenzene	28.0	2.0	0.25	ug/l	25.0		112	75-130			
p-Isopropyltoluene	25.3	2.0	0.28	ug/l	25.0		101	75-125			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0397-BS1)											
4-Methyl-2-pentanone (MIBK)	25.5	10	3.5	ug/l	25.0		102	45-140			
Methylene chloride	23.1	5.0	0.95	ug/l	25.0		92	55-130			
Naphthalene	28.7	5.0	0.41	ug/l	25.0		115	55-135			
n-Propylbenzene	27.0	2.0	0.27	ug/l	25.0		108	75-130			
Styrene	28.0	2.0	0.20	ug/l	25.0		112	75-130			
1,1,1,2-Tetrachloroethane	25.3	5.0	0.27	ug/l	25.0		101	70-130			
1,1,2,2-Tetrachloroethane	27.3	2.0	0.30	ug/l	25.0		109	55-130			
Tetrachloroethene	24.2	2.0	0.32	ug/l	25.0		97	70-125			
Toluene	26.2	2.0	0.36	ug/l	25.0		105	70-120			
1,2,3-Trichlorobenzene	26.0	5.0	0.30	ug/l	25.0		104	65-125			
1,2,4-Trichlorobenzene	25.3	5.0	0.48	ug/l	25.0		101	70-135			
1,1,1-Trichloroethane	26.4	2.0	0.30	ug/l	25.0		106	65-135			
1,1,2-Trichloroethane	24.4	2.0	0.30	ug/l	25.0		98	70-125			
Trichloroethene	23.8	2.0	0.26	ug/l	25.0		95	70-125			
Trichlorofluoromethane	27.3	5.0	0.34	ug/l	25.0		109	65-145			
1,2,3-Trichloropropane	26.2	10	0.40	ug/l	25.0		105	60-130			
1,2,4-Trimethylbenzene	28.5	2.0	0.23	ug/l	25.0		114	75-125			
1,3,5-Trimethylbenzene	28.0	2.0	0.26	ug/l	25.0		112	75-125			
Vinyl chloride	24.8	2.0	0.40	ug/l	25.0		99	55-135			
m,p-Xylenes	53.6	2.0	0.60	ug/l	50.0		107	75-125			
o-Xylene	27.0	2.0	0.30	ug/l	25.0		108	75-125			
Methyl-tert-butyl Ether (MTBE)	27.4	5.0	0.32	ug/l	25.0		110	60-135			
Surrogate: 4-Bromofluorobenzene	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Dibromofluoromethane	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.0*			*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Analyzed: 09/06/2011 (11I0397-MS1)						**Source: IUI0228-02RE1**					
Acetone	15.0	10	4.5	ug/l	25.0	ND	60	20-150			
Benzene	26.3	2.0	0.28	ug/l	25.0	1.83	98	65-125			
Bromobenzene	24.9	5.0	0.27	ug/l	25.0	ND	100	70-125			
Bromochloromethane	24.3	5.0	0.40	ug/l	25.0	ND	97	65-135			
Bromodichloromethane	25.8	2.0	0.30	ug/l	25.0	ND	103	70-135			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/06/2011 (11I0397-MS1)						**Source: IUI0228-02RE1**					
Bromoform	26.1	5.0	0.40	ug/l	25.0	ND	104	55-135			
Bromomethane	25.2	5.0	0.42	ug/l	25.0	ND	101	55-145			
2-Butanone (MEK)	24.4	10	4.7	ug/l	25.0	ND	98	30-145			
n-Butylbenzene	28.8	2.0	0.37	ug/l	25.0	ND	115	65-135			
sec-Butylbenzene	26.6	5.0	0.25	ug/l	25.0	ND	106	70-125			
tert-Butylbenzene	26.2	5.0	0.22	ug/l	25.0	ND	105	65-130			
Carbon Disulfide	23.5	5.0	0.48	ug/l	25.0	ND	94	40-140			
Carbon tetrachloride	26.4	5.0	0.28	ug/l	25.0	ND	106	65-140			
Chlorobenzene	25.8	2.0	0.36	ug/l	25.0	ND	103	75-125			
Chloroethane	24.3	5.0	0.40	ug/l	25.0	ND	97	55-140			
Chloroform	24.8	2.0	0.33	ug/l	25.0	1.20	95	65-135			
Chloromethane	23.4	5.0	0.40	ug/l	25.0	ND	93	45-145			
2-Chlorotoluene	26.5	5.0	0.28	ug/l	25.0	ND	106	65-135			
4-Chlorotoluene	26.5	5.0	0.29	ug/l	25.0	ND	106	70-135			
1,2-Dibromo-3-chloropropane	24.6	5.0	0.97	ug/l	25.0	ND	99	45-145			
Dibromochloromethane	23.8	2.0	0.40	ug/l	25.0	ND	95	65-140			
1,2-Dibromoethane (EDB)	26.5	2.0	0.40	ug/l	25.0	ND	106	70-130			
Dibromomethane	26.8	2.0	0.36	ug/l	25.0	ND	107	65-135			
1,2-Dichlorobenzene	25.5	2.0	0.32	ug/l	25.0	ND	102	75-125			
1,3-Dichlorobenzene	25.0	2.0	0.35	ug/l	25.0	ND	100	75-125			
1,4-Dichlorobenzene	23.8	2.0	0.37	ug/l	25.0	ND	95	75-125			
Dichlorodifluoromethane	22.7	5.0	0.26	ug/l	25.0	ND	91	25-155			
1,1-Dichloroethane	24.4	2.0	0.40	ug/l	25.0	ND	98	65-130			
1,2-Dichloroethane	25.2	2.0	0.28	ug/l	25.0	ND	101	60-140			
1,1-Dichloroethene	22.5	5.0	0.42	ug/l	25.0	ND	90	60-130			
cis-1,2-Dichloroethene	25.6	2.0	0.32	ug/l	25.0	ND	102	65-130			
trans-1,2-Dichloroethene	23.7	2.0	0.30	ug/l	25.0	ND	95	65-130			
1,2-Dichloropropane	25.0	2.0	0.35	ug/l	25.0	ND	100	65-130			
1,3-Dichloropropane	27.1	5.0	0.32	ug/l	25.0	ND	109	65-135			
2,2-Dichloropropane	28.7	2.0	0.34	ug/l	25.0	ND	115	60-145			
cis-1,3-Dichloropropene	27.1	2.0	0.22	ug/l	25.0	ND	108	70-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/06/2011 (11I0397-MS1)					**Source: IUI0228-02RE1**						
trans-1,3-Dichloropropene	29.9	2.0	0.32	ug/l	25.0	ND	119	65-135			
1,1-Dichloropropene	25.7	2.0	0.28	ug/l	25.0	ND	103	70-135			
Ethylbenzene	27.9	2.0	0.25	ug/l	25.0	ND	112	65-130			
Hexachlorobutadiene	25.6	5.0	0.38	ug/l	25.0	ND	103	60-135			
2-Hexanone	25.5	10	2.6	ug/l	25.0	ND	102	25-140			
Isopropylbenzene	26.8	2.0	0.25	ug/l	25.0	ND	107	70-135			
p-Isopropyltoluene	25.8	2.0	0.28	ug/l	25.0	ND	103	65-130			
4-Methyl-2-pentanone (MIBK)	27.2	10	3.5	ug/l	25.0	ND	109	40-140			
Methylene chloride	22.7	5.0	0.95	ug/l	25.0	ND	91	50-135			
Naphthalene	31.2	5.0	0.41	ug/l	25.0	ND	125	50-140			
n-Propylbenzene	26.3	2.0	0.27	ug/l	25.0	ND	105	70-135			
Styrene	29.1	2.0	0.20	ug/l	25.0	ND	116	50-145			
1,1,1,2-Tetrachloroethane	26.4	5.0	0.27	ug/l	25.0	ND	106	65-140			
1,1,2,2-Tetrachloroethane	26.8	2.0	0.30	ug/l	25.0	ND	107	55-135			
Tetrachloroethene	24.8	2.0	0.32	ug/l	25.0	ND	99	65-130			
Toluene	26.7	2.0	0.36	ug/l	25.0	ND	107	70-125			
1,2,3-Trichlorobenzene	28.0	5.0	0.30	ug/l	25.0	ND	112	60-135			
1,2,4-Trichlorobenzene	28.4	5.0	0.48	ug/l	25.0	ND	114	65-135			
1,1,1-Trichloroethane	26.9	2.0	0.30	ug/l	25.0	ND	107	65-140			
1,1,2-Trichloroethane	25.0	2.0	0.30	ug/l	25.0	ND	100	65-130			
Trichloroethene	24.2	2.0	0.26	ug/l	25.0	ND	97	65-125			
Trichlorofluoromethane	27.0	5.0	0.34	ug/l	25.0	ND	108	60-145			
1,2,3-Trichloropropane	25.6	10	0.40	ug/l	25.0	ND	102	55-135			
1,2,4-Trimethylbenzene	28.1	2.0	0.23	ug/l	25.0	ND	113	55-135			
1,3,5-Trimethylbenzene	27.2	2.0	0.26	ug/l	25.0	ND	109	70-130			
Vinyl chloride	26.0	2.0	0.40	ug/l	25.0	ND	104	45-140			
m,p-Xylenes	55.9	2.0	0.60	ug/l	50.0	ND	112	65-130			
o-Xylene	27.7	2.0	0.30	ug/l	25.0	ND	111	65-125			
Methyl-tert-butyl Ether (MTBE)	27.3	5.0	0.32	ug/l	25.0	ND	109	55-145			
Surrogate: 4-Bromofluorobenzene	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Dibromofluoromethane	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/06/2011 (11I0397-MS1)						**Source: IUI0228-02RE1**					
Matrix Spike Dup Analyzed: 09/07/2011 (11I0397-MSD1)						**Source: IUI0228-02RE1**					
Acetone	13.9	10	4.5	ug/l	25.0	ND	56	20-150	8	35	
Benzene	26.0	2.0	0.28	ug/l	25.0	1.83	97	65-125	1	20	
Bromobenzene	25.6	5.0	0.27	ug/l	25.0	ND	103	70-125	3	20	
Bromochloromethane	24.2	5.0	0.40	ug/l	25.0	ND	97	65-135	0.5	25	
Bromodichloromethane	26.0	2.0	0.30	ug/l	25.0	ND	104	70-135	0.5	20	
Bromoform	26.0	5.0	0.40	ug/l	25.0	ND	104	55-135	0.08	25	
Bromomethane	25.7	5.0	0.42	ug/l	25.0	ND	103	55-145	2	25	
2-Butanone (MEK)	23.0	10	4.7	ug/l	25.0	ND	92	30-145	6	40	
n-Butylbenzene	29.2	2.0	0.37	ug/l	25.0	ND	117	65-135	1	20	
sec-Butylbenzene	27.2	5.0	0.25	ug/l	25.0	ND	109	70-125	2	20	
tert-Butylbenzene	26.6	5.0	0.22	ug/l	25.0	ND	106	65-130	1	20	
Carbon Disulfide	23.6	5.0	0.48	ug/l	25.0	ND	94	40-140	0.5	20	
Carbon tetrachloride	26.9	5.0	0.28	ug/l	25.0	ND	108	65-140	2	25	
Chlorobenzene	26.1	2.0	0.36	ug/l	25.0	ND	104	75-125	1	20	
Chloroethane	24.1	5.0	0.40	ug/l	25.0	ND	96	55-140	0.9	25	
Chloroform	24.9	2.0	0.33	ug/l	25.0	1.20	95	65-135	0.2	20	
Chloromethane	24.0	5.0	0.40	ug/l	25.0	ND	96	45-145	3	25	
2-Chlorotoluene	26.6	5.0	0.28	ug/l	25.0	ND	106	65-135	0.5	20	
4-Chlorotoluene	27.2	5.0	0.29	ug/l	25.0	ND	109	70-135	2	20	
1,2-Dibromo-3-chloropropane	24.6	5.0	0.97	ug/l	25.0	ND	98	45-145	0.04	30	
Dibromochloromethane	23.9	2.0	0.40	ug/l	25.0	ND	96	65-140	0.6	25	
1,2-Dibromoethane (EDB)	25.8	2.0	0.40	ug/l	25.0	ND	103	70-130	3	25	
Dibromomethane	26.3	2.0	0.36	ug/l	25.0	ND	105	65-135	2	25	
1,2-Dichlorobenzene	25.9	2.0	0.32	ug/l	25.0	ND	104	75-125	2	20	
1,3-Dichlorobenzene	25.4	2.0	0.35	ug/l	25.0	ND	102	75-125	2	20	
1,4-Dichlorobenzene	24.1	2.0	0.37	ug/l	25.0	ND	97	75-125	1	20	
Dichlorodifluoromethane	22.4	5.0	0.26	ug/l	25.0	ND	89	25-155	2	30	
1,1-Dichloroethane	24.6	2.0	0.40	ug/l	25.0	ND	98	65-130	0.8	20	
1,2-Dichloroethane	24.5	2.0	0.28	ug/l	25.0	ND	98	60-140	3	20	
1,1-Dichloroethene	22.9	5.0	0.42	ug/l	25.0	ND	92	60-130	2	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Matrix Spike Dup Analyzed: 09/07/2011 (11I0397-MSD1)					**Source: IUI0228-02RE1**						
cis-1,2-Dichloroethene	25.6	2.0	0.32	ug/l	25.0	ND	102	65-130	0.08	20	
trans-1,2-Dichloroethene	23.5	2.0	0.30	ug/l	25.0	ND	94	65-130	0.6	20	
1,2-Dichloropropane	25.0	2.0	0.35	ug/l	25.0	ND	100	65-130	0.1	20	
1,3-Dichloropropane	27.0	5.0	0.32	ug/l	25.0	ND	108	65-135	0.3	25	
2,2-Dichloropropane	28.9	2.0	0.34	ug/l	25.0	ND	116	60-145	0.8	25	
cis-1,3-Dichloropropene	26.7	2.0	0.22	ug/l	25.0	ND	107	70-130	1	20	
trans-1,3-Dichloropropene	29.4	2.0	0.32	ug/l	25.0	ND	118	65-135	2	25	
1,1-Dichloropropene	25.8	2.0	0.28	ug/l	25.0	ND	103	70-135	0.7	20	
Ethylbenzene	28.2	2.0	0.25	ug/l	25.0	ND	113	65-130	1	20	
Hexachlorobutadiene	27.2	5.0	0.38	ug/l	25.0	ND	109	60-135	6	20	
2-Hexanone	23.7	10	2.6	ug/l	25.0	ND	95	25-140	7	35	
Isopropylbenzene	27.2	2.0	0.25	ug/l	25.0	ND	109	70-135	1	20	
p-Isopropyltoluene	26.1	2.0	0.28	ug/l	25.0	ND	104	65-130	1	20	
4-Methyl-2-pentanone (MIBK)	25.5	10	3.5	ug/l	25.0	ND	102	40-140	6	35	
Methylene chloride	22.9	5.0	0.95	ug/l	25.0	ND	92	50-135	0.7	20	
Naphthalene	31.3	5.0	0.41	ug/l	25.0	ND	125	50-140	0.5	30	
n-Propylbenzene	27.2	2.0	0.27	ug/l	25.0	ND	109	70-135	4	20	
Styrene	29.3	2.0	0.20	ug/l	25.0	ND	117	50-145	0.5	30	
1,1,1,2-Tetrachloroethane	26.3	5.0	0.27	ug/l	25.0	ND	105	65-140	0.2	20	
1,1,2,2-Tetrachloroethane	26.2	2.0	0.30	ug/l	25.0	ND	105	55-135	2	30	
Tetrachloroethene	24.7	2.0	0.32	ug/l	25.0	ND	99	65-130	0.3	20	
Toluene	26.9	2.0	0.36	ug/l	25.0	ND	107	70-125	0.7	20	
1,2,3-Trichlorobenzene	28.9	5.0	0.30	ug/l	25.0	ND	115	60-135	3	20	
1,2,4-Trichlorobenzene	29.2	5.0	0.48	ug/l	25.0	ND	117	65-135	3	20	
1,1,1-Trichloroethane	26.7	2.0	0.30	ug/l	25.0	ND	107	65-140	0.6	20	
1,1,2-Trichloroethane	24.7	2.0	0.30	ug/l	25.0	ND	99	65-130	1	25	
Trichloroethene	23.9	2.0	0.26	ug/l	25.0	ND	96	65-125	1	20	
Trichlorofluoromethane	27.2	5.0	0.34	ug/l	25.0	ND	109	60-145	0.8	25	
1,2,3-Trichloropropane	25.1	10	0.40	ug/l	25.0	ND	101	55-135	2	30	
1,2,4-Trimethylbenzene	28.9	2.0	0.23	ug/l	25.0	ND	115	55-135	3	25	
1,3,5-Trimethylbenzene	27.7	2.0	0.26	ug/l	25.0	ND	111	70-130	2	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0397 Extracted: 09/06/11											
Matrix Spike Dup Analyzed: 09/07/2011 (11I0397-MSD1)						**Source: IUI0228-02RE1**					
Vinyl chloride	26.7	2.0	0.40	ug/l	25.0	ND	107	45-140	3	30	
m,p-Xylenes	55.7	2.0	0.60	ug/l	50.0	ND	111	65-130	0.4	25	
o-Xylene	27.6	2.0	0.30	ug/l	25.0	ND	110	65-125	0.5	20	
Methyl-tert-butyl Ether (MTBE)	27.1	5.0	0.32	ug/l	25.0	ND	108	55-145	0.9	25	
Surrogate: 4-Bromofluorobenzene	*26.0*			*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Dibromofluoromethane	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			
Batch: 11I0447 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0447-BLK1)											
Acetone	ND	10	8.0	ug/kg							
Benzene	ND	2.0	0.50	ug/kg							
Bromobenzene	ND	5.0	0.84	ug/kg							
Bromochloromethane	ND	5.0	0.90	ug/kg							
Bromodichloromethane	ND	2.0	0.50	ug/kg							
Bromoform	ND	5.0	0.80	ug/kg							
Bromomethane	ND	5.0	0.92	ug/kg							
2-Butanone (MEK)	ND	10	6.0	ug/kg							
n-Butylbenzene	ND	5.0	0.72	ug/kg							
sec-Butylbenzene	ND	5.0	0.67	ug/kg							
tert-Butylbenzene	ND	5.0	0.62	ug/kg							
1,3,5-Trichlorobenzene	ND	2.0	1.0	ug/kg							
Carbon Disulfide	ND	5.0	0.97	ug/kg							
Carbon tetrachloride	ND	5.0	0.50	ug/kg							
Chlorobenzene	ND	2.0	0.52	ug/kg							
2,2,3-Trimethylbutane	ND	2.0	1.0	ug/kg							
Chloroethane	ND	5.0	1.5	ug/kg							
2,2-Dimethylpentane	ND	2.0	1.0	ug/kg							
Chloroform	ND	2.0	0.50	ug/kg							
2,3-Dimethylpentane	ND	2.0	1.0	ug/kg							
Chloromethane	ND	5.0	1.0	ug/kg							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0447-BLK1)											
2,4-Dimethylpentane	ND	2.0	1.0	ug/kg							
2-Chlorotoluene	ND	5.0	0.87	ug/kg							
4-Chlorotoluene	ND	5.0	0.74	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	1.5	ug/kg							
Dibromochloromethane	ND	2.0	0.70	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	0.80	ug/kg							
2-Methylhexane	ND	2.0	1.0	ug/kg							
3,3-Dimethylpentane	ND	2.0	1.0	ug/kg							
Dibromomethane	ND	2.0	0.90	ug/kg							
3-Ethylpentane	ND	2.0	1.0	ug/kg							
3-Methylhexane	ND	2.0	1.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	0.95	ug/kg							
1,3-Dichlorobenzene	ND	2.0	0.84	ug/kg							
1,4-Dichlorobenzene	ND	2.0	0.94	ug/kg							
Dichlorodifluoromethane	ND	5.0	1.5	ug/kg							
1,1-Dichloroethane	ND	2.0	0.50	ug/kg							
1,2-Dichloroethane	ND	2.0	0.80	ug/kg							
1,1-Dichloroethene	ND	5.0	0.60	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	0.83	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	0.70	ug/kg							
1,2-Dichloropropane	ND	2.0	0.80	ug/kg							
1,3-Dichloropropane	ND	2.0	0.63	ug/kg							
2,2-Dichloropropane	ND	2.0	0.60	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	0.44	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	0.61	ug/kg							
1,1-Dichloropropene	ND	2.0	0.40	ug/kg							
Ethylbenzene	ND	2.0	0.50	ug/kg							
Dimethyl disulfide	ND	2.0	1.0	ug/kg							
Hexachlorobutadiene	ND	5.0	0.80	ug/kg							
2-Hexanone	ND	10	9.1	ug/kg							
Isopropylbenzene	ND	2.0	0.54	ug/kg							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0447-BLK1)											
n-Heptane	ND	2.0	1.0	ug/kg							
Nonanal	ND	5.0	3.9	ug/kg							
p-Isopropyltoluene	ND	2.0	0.72	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.0	4.5	ug/kg							
Methylene chloride	ND	20	6.5	ug/kg							
Naphthalene	ND	5.0	1.1	ug/kg							
n-Propylbenzene	ND	2.0	0.61	ug/kg							
Styrene	ND	2.0	0.58	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	0.57	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	0.86	ug/kg							
Tetrachloroethene	ND	2.0	0.49	ug/kg							
Toluene	ND	2.0	0.50	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	0.70	ug/kg							
1,1,2-Trichloroethane	ND	2.0	0.87	ug/kg							
Trichloroethene	ND	2.0	0.50	ug/kg							
Trichlorofluoromethane	ND	5.0	0.54	ug/kg							
1,2,3-Trichloropropane	ND	10	1.0	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	0.78	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	0.63	ug/kg							
Vinyl chloride	ND	5.0	0.91	ug/kg							
m,p-Xylenes	ND	2.0	0.80	ug/kg							
o-Xylene	ND	2.0	0.50	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	1.0	ug/kg							
Surrogate: 4-Bromofluorobenzene	*47.7*			*ug/kg*	*50.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*51.7*			*ug/kg*	*50.0*		*103*	*80-125*			
Surrogate: Toluene-d8	*51.6*			*ug/kg*	*50.0*		*103*	*80-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0447-BS1)											
Acetone	29.6	10	8.0	ug/kg	50.0		59	25-145			
Benzene	46.9	2.0	0.50	ug/kg	50.0		94	65-120			
Bromobenzene	50.1	5.0	0.84	ug/kg	50.0		100	70-120			
Bromochloromethane	47.4	5.0	0.90	ug/kg	50.0		95	70-135			
Bromodichloromethane	50.1	2.0	0.50	ug/kg	50.0		100	70-135			
Bromoform	48.4	5.0	0.80	ug/kg	50.0		97	55-135			
Bromomethane	52.0	5.0	0.92	ug/kg	50.0		104	60-145			
2-Butanone (MEK)	44.7	10	6.0	ug/kg	50.0		89	40-145			
n-Butylbenzene	55.3	5.0	0.72	ug/kg	50.0		111	70-130			
sec-Butylbenzene	52.6	5.0	0.67	ug/kg	50.0		105	70-125			
tert-Butylbenzene	51.7	5.0	0.62	ug/kg	50.0		103	70-125			
Carbon Disulfide	44.8	5.0	0.97	ug/kg	50.0		90	50-130			
Carbon tetrachloride	52.0	5.0	0.50	ug/kg	50.0		104	65-140			
Chlorobenzene	49.4	2.0	0.52	ug/kg	50.0		99	75-120			
Chloroethane	48.6	5.0	1.5	ug/kg	50.0		97	60-140			
Chloroform	46.6	2.0	0.50	ug/kg	50.0		93	70-130			
Chloromethane	47.3	5.0	1.0	ug/kg	50.0		95	45-145			
2-Chlorotoluene	52.3	5.0	0.87	ug/kg	50.0		105	70-125			
4-Chlorotoluene	52.6	5.0	0.74	ug/kg	50.0		105	75-125			
1,2-Dibromo-3-chloropropane	47.9	5.0	1.5	ug/kg	50.0		96	50-135			
Dibromochloromethane	44.8	2.0	0.70	ug/kg	50.0		90	65-140			
1,2-Dibromoethane (EDB)	48.8	2.0	0.80	ug/kg	50.0		98	70-130			
Dibromomethane	50.8	2.0	0.90	ug/kg	50.0		102	70-130			
1,2-Dichlorobenzene	49.9	2.0	0.95	ug/kg	50.0		100	75-120			
1,3-Dichlorobenzene	48.7	2.0	0.84	ug/kg	50.0		97	75-125			
1,4-Dichlorobenzene	46.8	2.0	0.94	ug/kg	50.0		94	75-120			
Dichlorodifluoromethane	44.5	5.0	1.5	ug/kg	50.0		89	35-160			
1,1-Dichloroethane	48.1	2.0	0.50	ug/kg	50.0		96	70-130			
1,2-Dichloroethane	47.3	2.0	0.80	ug/kg	50.0		95	60-140			
1,1-Dichloroethene	44.9	5.0	0.60	ug/kg	50.0		90	70-125			
cis-1,2-Dichloroethene	51.0	2.0	0.83	ug/kg	50.0		102	70-125			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0447-BS1)											
trans-1,2-Dichloroethene	46.3	2.0	0.70	ug/kg	50.0		93	70-125			
1,2-Dichloropropane	48.7	2.0	0.80	ug/kg	50.0		97	70-130			
1,3-Dichloropropane	52.0	2.0	0.63	ug/kg	50.0		104	70-125			
2,2-Dichloropropane	54.9	2.0	0.60	ug/kg	50.0		110	60-145			
cis-1,3-Dichloropropene	51.6	2.0	0.44	ug/kg	50.0		103	75-125			
trans-1,3-Dichloropropene	56.5	2.0	0.61	ug/kg	50.0		113	70-135			
1,1-Dichloropropene	48.8	2.0	0.40	ug/kg	50.0		98	70-130			
Ethylbenzene	53.6	2.0	0.50	ug/kg	50.0		107	70-125			
Hexachlorobutadiene	51.2	5.0	0.80	ug/kg	50.0		102	60-135			
2-Hexanone	44.7	10	9.1	ug/kg	50.0		89	40-150			
Isopropylbenzene	52.9	2.0	0.54	ug/kg	50.0		106	75-130			
p-Isopropyltoluene	49.8	2.0	0.72	ug/kg	50.0		100	75-125			
4-Methyl-2-pentanone (MIBK)	47.0	5.0	4.5	ug/kg	50.0		94	40-145			
Methylene chloride	46.1	20	6.5	ug/kg	50.0		92	55-135			
Naphthalene	59.0	5.0	1.1	ug/kg	50.0		118	55-135			
n-Propylbenzene	52.3	2.0	0.61	ug/kg	50.0		105	70-130			
Styrene	56.1	2.0	0.58	ug/kg	50.0		112	75-130			
1,1,1,2-Tetrachloroethane	50.6	5.0	0.57	ug/kg	50.0		101	70-130			
1,1,2,2-Tetrachloroethane	51.8	2.0	0.86	ug/kg	50.0		104	55-140			
Tetrachloroethene	47.8	2.0	0.49	ug/kg	50.0		96	70-125			
Toluene	52.0	2.0	0.50	ug/kg	50.0		104	70-125			
1,2,3-Trichlorobenzene	54.7	5.0	1.0	ug/kg	50.0		109	60-130			
1,2,4-Trichlorobenzene	53.2	5.0	1.0	ug/kg	50.0		106	70-135			
1,1,1-Trichloroethane	51.2	2.0	0.70	ug/kg	50.0		102	65-135			
1,1,2-Trichloroethane	48.4	2.0	0.87	ug/kg	50.0		97	65-135			
Trichloroethene	47.1	2.0	0.50	ug/kg	50.0		94	70-125			
Trichlorofluoromethane	53.4	5.0	0.54	ug/kg	50.0		107	60-145			
1,2,3-Trichloropropane	47.6	10	1.0	ug/kg	50.0		95	60-135			
1,2,4-Trimethylbenzene	55.6	2.0	0.78	ug/kg	50.0		111	70-125			
1,3,5-Trimethylbenzene	54.0	2.0	0.63	ug/kg	50.0		108	70-125			
Vinyl chloride	51.9	5.0	0.91	ug/kg	50.0		104	55-135			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0447-BS1)											
m,p-Xylenes	105	2.0	0.80	ug/kg	100		105	70-125			
o-Xylene	53.1	2.0	0.50	ug/kg	50.0		106	70-125			
Methyl-tert-butyl Ether (MTBE)	53.0	5.0	1.0	ug/kg	50.0		106	60-140			
Surrogate: 4-Bromofluorobenzene	*51.4*			*ug/kg*	*50.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*52.8*			*ug/kg*	*50.0*		*106*	*80-125*			
Surrogate: Toluene-d8	*52.0*			*ug/kg*	*50.0*		*104*	*80-120*			
Matrix Spike Analyzed: 09/07/2011 (11I0447-MS1)						**Source: IUI0197-01**					
Acetone	56.4	10	8.0	ug/kg	49.8	ND	113	20-145			
Benzene	49.0	2.0	0.50	ug/kg	49.8	ND	98	65-130			
Bromobenzene	53.8	5.0	0.84	ug/kg	49.8	ND	108	70-120			
Bromochloromethane	69.6	5.0	0.90	ug/kg	49.8	ND	140	65-145			
Bromodichloromethane	53.4	2.0	0.50	ug/kg	49.8	ND	107	65-145			
Bromoform	51.6	5.0	0.80	ug/kg	49.8	ND	104	50-145			
Bromomethane	70.7	5.0	0.92	ug/kg	49.8	ND	142	60-155			
2-Butanone (MEK)	62.9	10	6.0	ug/kg	49.8	ND	126	25-170			
n-Butylbenzene	48.8	5.0	0.72	ug/kg	49.8	ND	98	55-145			
sec-Butylbenzene	49.9	5.0	0.67	ug/kg	49.8	ND	100	60-135			
tert-Butylbenzene	50.5	5.0	0.62	ug/kg	49.8	ND	101	60-140			
Carbon Disulfide	63.4	5.0	0.97	ug/kg	49.8	ND	127	40-140			
Carbon tetrachloride	51.9	5.0	0.50	ug/kg	49.8	ND	104	60-145			
Chlorobenzene	51.4	2.0	0.52	ug/kg	49.8	ND	103	70-130			
Chloroethane	68.0	5.0	1.5	ug/kg	49.8	ND	137	60-150			
Chloroform	68.4	2.0	0.50	ug/kg	49.8	ND	137	65-135			*M1*
Chloromethane	65.5	5.0	1.0	ug/kg	49.8	ND	132	40-145			
2-Chlorotoluene	54.3	5.0	0.87	ug/kg	49.8	ND	109	60-135			
4-Chlorotoluene	53.9	5.0	0.74	ug/kg	49.8	ND	108	65-135			
1,2-Dibromo-3-chloropropane	51.6	5.0	1.5	ug/kg	49.8	ND	104	40-150			
Dibromochloromethane	48.5	2.0	0.70	ug/kg	49.8	ND	97	60-145			
1,2-Dibromoethane (EDB)	52.6	2.0	0.80	ug/kg	49.8	ND	106	65-140			
Dibromomethane	55.0	2.0	0.90	ug/kg	49.8	ND	110	65-140			
1,2-Dichlorobenzene	51.6	2.0	0.95	ug/kg	49.8	ND	104	70-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/07/2011 (11I0447-MS1)					**Source: IUI0197-01**						
1,3-Dichlorobenzene	50.2	2.0	0.84	ug/kg	49.8	ND	101	70-130			
1,4-Dichlorobenzene	48.2	2.0	0.94	ug/kg	49.8	ND	97	70-130			
Dichlorodifluoromethane	61.1	5.0	1.5	ug/kg	49.8	ND	123	30-160			
1,1-Dichloroethane	69.2	2.0	0.50	ug/kg	49.8	ND	139	65-135			*M1*
1,2-Dichloroethane	51.1	2.0	0.80	ug/kg	49.8	ND	103	60-150			
1,1-Dichloroethene	65.4	5.0	0.60	ug/kg	49.8	ND	131	65-135			
cis-1,2-Dichloroethene	71.8	2.0	0.83	ug/kg	49.8	ND	144	65-135			*M1*
trans-1,2-Dichloroethene	65.7	2.0	0.70	ug/kg	49.8	ND	132	70-135			
1,2-Dichloropropane	51.6	2.0	0.80	ug/kg	49.8	ND	104	65-130			
1,3-Dichloropropane	55.0	2.0	0.63	ug/kg	49.8	ND	110	65-140			
2,2-Dichloropropane	67.9	2.0	0.60	ug/kg	49.8	ND	136	65-150			
cis-1,3-Dichloropropene	54.6	2.0	0.44	ug/kg	49.8	ND	110	70-135			
trans-1,3-Dichloropropene	59.9	2.0	0.61	ug/kg	49.8	ND	120	60-145			
1,1-Dichloropropene	50.4	2.0	0.40	ug/kg	49.8	ND	101	65-135			
Ethylbenzene	55.1	2.0	0.50	ug/kg	49.8	ND	111	70-135			
Hexachlorobutadiene	40.8	5.0	0.80	ug/kg	49.8	ND	82	50-145			
2-Hexanone	37.7	10	9.1	ug/kg	49.8	ND	76	35-160			
Isopropylbenzene	55.0	2.0	0.54	ug/kg	49.8	ND	110	70-145			
p-Isopropyltoluene	48.0	2.0	0.72	ug/kg	49.8	ND	96	60-140			
4-Methyl-2-pentanone (MIBK)	49.4	5.0	4.5	ug/kg	49.8	ND	99	40-155			
Methylene chloride	64.7	20	6.5	ug/kg	49.8	ND	130	55-145			
Naphthalene	60.6	5.0	1.1	ug/kg	49.8	ND	122	40-150			
n-Propylbenzene	53.5	2.0	0.61	ug/kg	49.8	ND	107	65-140			
Styrene	57.6	2.0	0.58	ug/kg	49.8	ND	116	70-140			
1,1,1,2-Tetrachloroethane	52.9	5.0	0.57	ug/kg	49.8	ND	106	65-145			
1,1,2,2-Tetrachloroethane	53.2	2.0	0.86	ug/kg	49.8	ND	107	40-160			
Tetrachloroethene	46.5	2.0	0.49	ug/kg	49.8	ND	93	65-135			
Toluene	53.6	2.0	0.50	ug/kg	49.8	ND	108	70-130			
1,2,3-Trichlorobenzene	43.3	5.0	1.0	ug/kg	49.8	1.16	85	45-145			
1,2,4-Trichlorobenzene	47.8	5.0	1.0	ug/kg	49.8	5.55	85	50-140			
1,1,1-Trichloroethane	68.8	2.0	0.70	ug/kg	49.8	ND	138	65-145			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/07/2011 (11I0447-MS1)					**Source: IUI0197-01**						
1,1,2-Trichloroethane	52.5	2.0	0.87	ug/kg	49.8	ND	105	65-140			
Trichloroethene	51.7	2.0	0.50	ug/kg	49.8	ND	104	65-140			
Trichlorofluoromethane	73.3	5.0	0.54	ug/kg	49.8	ND	147	55-155			
1,2,3-Trichloropropane	54.2	10	1.0	ug/kg	49.8	ND	109	50-150			
1,2,4-Trimethylbenzene	54.5	2.0	0.78	ug/kg	49.8	ND	109	65-140			
1,3,5-Trimethylbenzene	52.7	2.0	0.63	ug/kg	49.8	ND	106	65-135			
Vinyl chloride	69.8	5.0	0.91	ug/kg	49.8	ND	140	55-140			
m,p-Xylenes	107	2.0	0.80	ug/kg	99.6	ND	108	70-130			
o-Xylene	53.8	2.0	0.50	ug/kg	49.8	ND	108	65-130			
Methyl-tert-butyl Ether (MTBE)	75.9	5.0	1.0	ug/kg	49.8	ND	152	55-155			
Surrogate: 4-Bromofluorobenzene	*50.6*			*ug/kg*	*49.8*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*73.6*			*ug/kg*	*49.8*		*148*	*80-125*			*ZX*
Surrogate: Toluene-d8	*52.5*			*ug/kg*	*49.8*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 09/07/2011 (11I0447-MSD1)					**Source: IUI0197-01**						
Acetone	41.3	9.9	7.9	ug/kg	49.5	ND	83	20-145	31	40	
Benzene	47.1	2.0	0.50	ug/kg	49.5	ND	95	65-130	4	20	
Bromobenzene	52.9	5.0	0.83	ug/kg	49.5	ND	107	70-120	2	30	
Bromochloromethane	60.4	5.0	0.89	ug/kg	49.5	ND	122	65-145	14	25	
Bromodichloromethane	50.0	2.0	0.50	ug/kg	49.5	ND	101	65-145	7	20	
Bromoform	48.2	5.0	0.79	ug/kg	49.5	ND	97	50-145	7	30	
Bromomethane	63.4	5.0	0.91	ug/kg	49.5	ND	128	60-155	11	25	
2-Butanone (MEK)	53.9	9.9	5.9	ug/kg	49.5	ND	109	25-170	15	40	
n-Butylbenzene	50.6	5.0	0.71	ug/kg	49.5	ND	102	55-145	3	30	
sec-Butylbenzene	51.0	5.0	0.66	ug/kg	49.5	ND	103	60-135	2	25	
tert-Butylbenzene	50.8	5.0	0.61	ug/kg	49.5	ND	103	60-140	0.7	25	
Carbon Disulfide	54.9	5.0	0.96	ug/kg	49.5	ND	111	40-140	14	20	
Carbon tetrachloride	49.9	5.0	0.50	ug/kg	49.5	ND	101	60-145	4	25	
Chlorobenzene	48.6	2.0	0.51	ug/kg	49.5	ND	98	70-130	6	25	
Chloroethane	58.6	5.0	1.5	ug/kg	49.5	ND	118	60-150	15	25	
Chloroform	57.6	2.0	0.50	ug/kg	49.5	ND	116	65-135	17	20	
Chloromethane	56.7	5.0	0.99	ug/kg	49.5	ND	114	40-145	14	25	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Matrix Spike Dup Analyzed: 09/07/2011 (11I0447-MSD1)					**Source: IUI0197-01**						
2-Chlorotoluene	52.8	5.0	0.86	ug/kg	49.5	ND	107	60-135	3	25	
4-Chlorotoluene	52.5	5.0	0.73	ug/kg	49.5	ND	106	65-135	3	25	
1,2-Dibromo-3-chloropropane	46.7	5.0	1.5	ug/kg	49.5	ND	94	40-150	10	30	
Dibromochloromethane	45.1	2.0	0.69	ug/kg	49.5	ND	91	60-145	7	25	
1,2-Dibromoethane (EDB)	48.6	2.0	0.79	ug/kg	49.5	ND	98	65-140	8	25	
Dibromomethane	51.6	2.0	0.89	ug/kg	49.5	ND	104	65-140	6	25	
1,2-Dichlorobenzene	50.4	2.0	0.94	ug/kg	49.5	ND	102	70-130	2	25	
1,3-Dichlorobenzene	48.5	2.0	0.83	ug/kg	49.5	ND	98	70-130	3	25	
1,4-Dichlorobenzene	46.5	2.0	0.93	ug/kg	49.5	ND	94	70-130	4	25	
Dichlorodifluoromethane	53.1	5.0	1.5	ug/kg	49.5	ND	107	30-160	14	35	
1,1-Dichloroethane	58.7	2.0	0.50	ug/kg	49.5	ND	118	65-135	16	25	
1,2-Dichloroethane	48.6	2.0	0.79	ug/kg	49.5	ND	98	60-150	5	25	
1,1-Dichloroethene	56.7	5.0	0.59	ug/kg	49.5	ND	115	65-135	14	25	
cis-1,2-Dichloroethene	63.5	2.0	0.82	ug/kg	49.5	ND	128	65-135	12	25	
trans-1,2-Dichloroethene	56.4	2.0	0.69	ug/kg	49.5	ND	114	70-135	15	25	
1,2-Dichloropropane	48.9	2.0	0.79	ug/kg	49.5	ND	99	65-130	5	20	
1,3-Dichloropropane	51.4	2.0	0.62	ug/kg	49.5	ND	104	65-140	7	25	
2,2-Dichloropropane	59.7	2.0	0.59	ug/kg	49.5	ND	121	65-150	13	25	
cis-1,3-Dichloropropene	52.3	2.0	0.44	ug/kg	49.5	ND	106	70-135	4	25	
trans-1,3-Dichloropropene	55.7	2.0	0.60	ug/kg	49.5	ND	112	60-145	7	25	
1,1-Dichloropropene	47.9	2.0	0.40	ug/kg	49.5	ND	97	65-135	5	20	
Ethylbenzene	51.3	2.0	0.50	ug/kg	49.5	ND	104	70-135	7	25	
Hexachlorobutadiene	45.4	5.0	0.79	ug/kg	49.5	ND	92	50-145	11	35	
2-Hexanone	35.9	9.9	9.0	ug/kg	49.5	ND	72	35-160	5	40	
Isopropylbenzene	54.4	2.0	0.53	ug/kg	49.5	ND	110	70-145	1	25	
p-Isopropyltoluene	48.2	2.0	0.71	ug/kg	49.5	ND	97	60-140	0.3	25	
4-Methyl-2-pentanone (MIBK)	46.4	5.0	4.5	ug/kg	49.5	ND	94	40-155	6	40	
Methylene chloride	56.0	20	6.4	ug/kg	49.5	ND	113	55-145	14	25	
Naphthalene	57.6	5.0	1.1	ug/kg	49.5	ND	116	40-150	5	40	
n-Propylbenzene	52.1	2.0	0.60	ug/kg	49.5	ND	105	65-140	3	25	
Styrene	54.1	2.0	0.57	ug/kg	49.5	ND	109	70-140	6	25	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0447 Extracted: 09/06/11											
Matrix Spike Dup Analyzed: 09/07/2011 (11I0447-MSD1)					**Source: IUI0197-01**						
1,1,1,2-Tetrachloroethane	50.0	5.0	0.56	ug/kg	49.5	ND	101	65-145	6	20	
1,1,2,2-Tetrachloroethane	43.2	2.0	0.85	ug/kg	49.5	ND	87	40-160	21	30	
Tetrachloroethene	44.7	2.0	0.49	ug/kg	49.5	ND	90	65-135	4	25	
Toluene	51.4	2.0	0.50	ug/kg	49.5	ND	104	70-130	4	20	
1,2,3-Trichlorobenzene	42.4	5.0	0.99	ug/kg	49.5	1.16	83	45-145	2	30	
1,2,4-Trichlorobenzene	46.7	5.0	0.99	ug/kg	49.5	5.55	83	50-140	2	30	
1,1,1-Trichloroethane	60.4	2.0	0.69	ug/kg	49.5	ND	122	65-145	13	20	
1,1,2-Trichloroethane	48.2	2.0	0.86	ug/kg	49.5	ND	97	65-140	9	30	
Trichloroethene	54.0	2.0	0.50	ug/kg	49.5	ND	109	65-140	4	25	
Trichlorofluoromethane	64.0	5.0	0.53	ug/kg	49.5	ND	129	55-155	13	25	
1,2,3-Trichloropropane	52.0	9.9	0.99	ug/kg	49.5	ND	105	50-150	4	30	
1,2,4-Trimethylbenzene	53.1	2.0	0.77	ug/kg	49.5	ND	107	65-140	3	25	
1,3,5-Trimethylbenzene	51.5	2.0	0.62	ug/kg	49.5	ND	104	65-135	2	25	
Vinyl chloride	66.5	5.0	0.90	ug/kg	49.5	ND	134	55-140	5	30	
m,p-Xylenes	101	2.0	0.79	ug/kg	99.0	ND	102	70-130	6	25	
o-Xylene	50.7	2.0	0.50	ug/kg	49.5	ND	102	65-130	6	25	
Methyl-tert-butyl Ether (MTBE)	65.1	5.0	0.99	ug/kg	49.5	ND	131	55-155	15	35	
Surrogate: 4-Bromofluorobenzene	*49.0*			*ug/kg*	*49.5*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*64.2*			*ug/kg*	*49.5*		*130*	*80-125*			*ZX*
Surrogate: Toluene-d8	*52.8*			*ug/kg*	*49.5*		*107*	*80-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
Acenaphthene	ND	10	3.0	ug/l							
Acenaphthylene	ND	10	3.0	ug/l							
Aniline	ND	10	3.5	ug/l							
Anthracene	ND	10	2.5	ug/l							
Benzo(a)anthracene	ND	10	2.5	ug/l							
Benzo(a)pyrene	ND	10	3.0	ug/l							
Benzo(b)fluoranthene	ND	10	2.0	ug/l							
Benzo(g,h,i)perylene	ND	10	4.0	ug/l							
Benzo(k)fluoranthene	ND	10	2.5	ug/l							
Benzoic acid	ND	20	10	ug/l							
Benzyl alcohol	ND	20	3.5	ug/l							
4-Bromophenyl phenyl ether	ND	10	3.0	ug/l							
Butyl benzyl phthalate	ND	20	4.0	ug/l							
4-Chloro-3-methylphenol	ND	20	2.5	ug/l							
4-Chloroaniline	ND	10	2.0	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.0	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	2.5	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	4.0	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	3.0	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.5	ug/l							
Chrysene	ND	10	2.5	ug/l							
Dibenz(a,h)anthracene	ND	20	3.0	ug/l							
Dibenzofuran	ND	10	4.0	ug/l							
Di-n-butyl phthalate	ND	20	3.0	ug/l							
1,2-Dichlorobenzene	ND	10	3.0	ug/l							
1,3-Dichlorobenzene	ND	10	3.0	ug/l							
1,4-Dichlorobenzene	ND	10	2.5	ug/l							
2,2'-/4,4'-Dichlorobenzil	ND	10	4.5	ug/l							
3,3'-Dichlorobenzidine	ND	20	7.5	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
2,4-Dichlorophenol	ND	10	3.5	ug/l							
Diethyl phthalate	ND	10	3.5	ug/l							
2,4-Dimethylphenol	ND	20	3.5	ug/l							
Dimethyl phthalate	ND	10	2.5	ug/l							
4,6-Dinitro-2-methylphenol	ND	20	4.0	ug/l							
2,4-Dinitrophenol	ND	20	8.0	ug/l							
2,4-Dinitrotoluene	ND	10	3.5	ug/l							
2,6-Dinitrotoluene	ND	10	2.0	ug/l							
Di-n-octyl phthalate	ND	20	3.5	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	2.5	ug/l							
Fluoranthene	ND	10	3.0	ug/l							
Fluorene	ND	10	3.0	ug/l							
Hexachlorobenzene	ND	10	3.0	ug/l							
Hexachlorobutadiene	ND	10	4.0	ug/l							
Hexachlorocyclopentadiene	ND	20	5.0	ug/l							
Hexachloroethane	ND	10	3.5	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	3.5	ug/l							
Isophorone	ND	10	3.0	ug/l							
2-Methylnaphthalene	ND	10	2.0	ug/l							
2-Methylphenol	ND	10	3.0	ug/l							
4-Methylphenol	ND	10	3.0	ug/l							
Naphthalene	ND	10	3.0	ug/l							
2-Nitroaniline	ND	20	2.0	ug/l							
3-Nitroaniline	ND	20	3.0	ug/l							
4-Nitroaniline	ND	20	4.0	ug/l							
Nitrobenzene	ND	20	3.0	ug/l							
2-Nitrophenol	ND	10	3.5	ug/l							
4-Nitrophenol	ND	20	5.5	ug/l							
N-Nitroso-di-n-propylamine	ND	10	3.5	ug/l							
N-Nitrosodimethylamine	ND	20	2.5	ug/l							
N-Nitrosodiphenylamine	ND	10	2.0	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
Pentachlorophenol	ND	20	3.5	ug/l							
Phenanthrene	ND	10	3.5	ug/l							
Phenol	ND	10	2.0	ug/l							
Pyrene	ND	10	4.0	ug/l							
Pyridine	ND	20	2.5	ug/l							
1,2,4-Trichlorobenzene	ND	10	2.5	ug/l							
2,4,5-Trichlorophenol	ND	20	3.0	ug/l							
2,4,6-Trichlorophenol	ND	20	4.5	ug/l							
n-Hydroxymethylphthalimide	ND	200	25	ug/l							
Octachlorostyrene	ND	20	6.5	ug/l							
Pentachlorobenzene	ND	10	3.0	ug/l							
Phenyl disulfide	ND	10	2.5	ug/l							
Phenyl sulfide	ND	10	2.5	ug/l							
Thiophenol	ND	200	30	ug/l							
4,4'-Dichlorobenzophenone	ND	10	2.5	ug/l							
4-Chlorobenzenethiol	ND	200	40	ug/l							
4-Chlorophenyl methyl sulfide	ND	10	3.5	ug/l							
4-Chlorophenyl methyl sulfone	ND	10	3.0	ug/l							
4-Chlorophenyl sulfone	ND	10	3.5	ug/l							
Benzophenone	ND	10	3.0	ug/l							
bis(4-chlorophenyl)disulfide	ND	10	4.0	ug/l							
Diphenyl sulfone	ND	10	3.0	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	3.0	ug/l							
Surrogate: 2,4,6-Tribromophenol	*186*			*ug/l*	*200*		*93*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*81.7*			*ug/l*	*100*		*82*	*50-120*			
Surrogate: 2-Fluorophenol	*146*			*ug/l*	*200*		*73*	*30-120*			
Surrogate: Nitrobenzene-d5	*75.6*			*ug/l*	*100*		*76*	*45-120*			
Surrogate: Phenol-d6	*150*			*ug/l*	*200*		*75*	*35-120*			
Surrogate: Terphenyl-d14	*90.2*			*ug/l*	*100*		*90*	*50-125*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
Acenaphthene	95.3	10	3.0	ug/l	100		95	60-120			
Acenaphthylene	105	10	3.0	ug/l	100		105	60-120			
Aniline	102	10	3.5	ug/l	100		102	35-120			
Anthracene	99.2	10	2.5	ug/l	100		99	65-120			
Benzo(a)anthracene	97.6	10	2.5	ug/l	100		98	65-120			
Benzo(a)pyrene	106	10	3.0	ug/l	100		106	55-130			
Benzo(b)fluoranthene	92.5	10	2.0	ug/l	100		93	55-125			
Benzo(g,h,i)perylene	109	10	4.0	ug/l	100		109	45-135			
Benzo(k)fluoranthene	102	10	2.5	ug/l	100		102	50-125			
Benzoic acid	78.9	20	10	ug/l	100		79	25-120			
Benzyl alcohol	114	20	3.5	ug/l	100		114	50-120			
4-Bromophenyl phenyl ether	98.1	10	3.0	ug/l	100		98	60-120			
Butyl benzyl phthalate	95.6	20	4.0	ug/l	100		96	55-130			
4-Chloro-3-methylphenol	101	20	2.5	ug/l	100		101	60-120			
4-Chloroaniline	99.9	10	2.0	ug/l	100		100	55-120			
Bis(2-chloroethoxy)methane	86.4	10	3.0	ug/l	100		86	55-120			
Bis(2-chloroethyl)ether	77.0	10	3.0	ug/l	100		77	50-120			
Bis(2-chloroisopropyl)ether	75.4	10	2.5	ug/l	100		75	45-120			
Bis(2-ethylhexyl)phthalate	99.2	50	4.0	ug/l	100		99	65-130			
2-Chloronaphthalene	91.5	10	3.0	ug/l	100		92	60-120			
2-Chlorophenol	85.7	10	3.0	ug/l	100		86	45-120			
4-Chlorophenyl phenyl ether	97.1	10	2.5	ug/l	100		97	65-120			
Chrysene	95.6	10	2.5	ug/l	100		96	65-120			
Dibenz(a,h)anthracene	114	20	3.0	ug/l	100		114	50-135			
Dibenzofuran	96.4	10	4.0	ug/l	100		96	65-120			
Di-n-butyl phthalate	90.7	20	3.0	ug/l	100		91	60-125			
1,2-Dichlorobenzene	63.3	10	3.0	ug/l	100		63	40-120			
1,3-Dichlorobenzene	60.4	10	3.0	ug/l	100		60	35-120			
1,4-Dichlorobenzene	63.0	10	2.5	ug/l	100		63	35-120			
2,2'-/4,4'-Dichlorobenzil	94.6	10	4.5	ug/l	100		95	50-130			
3,3'-Dichlorobenzidine	111	20	7.5	ug/l	100		111	45-135			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
2,4-Dichlorophenol	90.5	10	3.5	ug/l	100		90	55-120			
Diethyl phthalate	94.2	10	3.5	ug/l	100		94	55-120			
2,4-Dimethylphenol	79.7	20	3.5	ug/l	100		80	40-120			
Dimethyl phthalate	96.5	10	2.5	ug/l	100		97	30-120			
4,6-Dinitro-2-methylphenol	86.4	20	4.0	ug/l	100		86	45-120			
2,4-Dinitrophenol	76.1	20	8.0	ug/l	100		76	40-120			
2,4-Dinitrotoluene	97.9	10	3.5	ug/l	100		98	65-120			
2,6-Dinitrotoluene	96.5	10	2.0	ug/l	100		96	65-120			
Di-n-octyl phthalate	87.7	20	3.5	ug/l	100		88	65-135			
1,2-Diphenylhydrazine/Azobenzene	91.8	20	2.5	ug/l	100		92	60-120			
Fluoranthene	98.8	10	3.0	ug/l	100		99	60-120			
Fluorene	96.9	10	3.0	ug/l	100		97	65-120			
Hexachlorobenzene	107	10	3.0	ug/l	100		107	60-120			
Hexachlorobutadiene	68.0	10	4.0	ug/l	100		68	40-120			
Hexachlorocyclopentadiene	58.6	20	5.0	ug/l	100		59	25-120			
Hexachloroethane	56.4	10	3.5	ug/l	100		56	35-120			
Indeno(1,2,3-cd)pyrene	103	20	3.5	ug/l	100		103	45-135			
Isophorone	92.6	10	3.0	ug/l	100		93	50-120			
2-Methylnaphthalene	84.0	10	2.0	ug/l	100		84	55-120			
2-Methylphenol	86.2	10	3.0	ug/l	100		86	50-120			
4-Methylphenol	88.3	10	3.0	ug/l	100		88	50-120			
Naphthalene	83.0	10	3.0	ug/l	100		83	55-120			
2-Nitroaniline	97.7	20	2.0	ug/l	100		98	65-120			
3-Nitroaniline	105	20	3.0	ug/l	100		105	60-120			
4-Nitroaniline	106	20	4.0	ug/l	100		106	55-125			
Nitrobenzene	83.6	20	3.0	ug/l	100		84	55-120			
2-Nitrophenol	89.0	10	3.5	ug/l	100		89	50-120			
4-Nitrophenol	106	20	5.5	ug/l	100		106	45-120			
N-Nitroso-di-n-propylamine	76.3	10	3.5	ug/l	100		76	45-120			
N-Nitrosodimethylamine	83.8	20	2.5	ug/l	100		84	45-120			
N-Nitrosodiphenylamine	97.2	10	2.0	ug/l	100		97	60-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
Pentachlorophenol	85.8	20	3.5	ug/l	100		86	24-121			
Phenanthrene	97.7	10	3.5	ug/l	100		98	65-120			
Phenol	84.1	10	2.0	ug/l	100		84	40-120			
Pyrene	91.8	10	4.0	ug/l	100		92	55-125			
Pyridine	63.3	20	2.5	ug/l	100		63	30-120			
1,2,4-Trichlorobenzene	71.0	10	2.5	ug/l	100		71	45-120			
2,4,5-Trichlorophenol	97.7	20	3.0	ug/l	100		98	55-120			
2,4,6-Trichlorophenol	104	20	4.5	ug/l	100		104	55-120			
Surrogate: 2,4,6-Tribromophenol	*218*			*ug/l*	*200*		*109*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*93.8*			*ug/l*	*100*		*94*	*50-120*			
Surrogate: 2-Fluorophenol	*154*			*ug/l*	*200*		*77*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.4*			*ug/l*	*100*		*87*	*45-120*			
Surrogate: Phenol-d6	*164*			*ug/l*	*200*		*82*	*35-120*			
Surrogate: Terphenyl-d14	*84.5*			*ug/l*	*100*		*84*	*50-125*			
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Acenaphthene	96.7	10	3.0	ug/l	100		97	60-120	1	20	
Acenaphthylene	105	10	3.0	ug/l	100		105	60-120	0.1	20	
Aniline	92.1	10	3.5	ug/l	100		92	35-120	10	30	
Anthracene	99.0	10	2.5	ug/l	100		99	65-120	0.2	20	
Benzo(a)anthracene	99.7	10	2.5	ug/l	100		100	65-120	2	20	
Benzo(a)pyrene	107	10	3.0	ug/l	100		107	55-130	0.8	25	
Benzo(b)fluoranthene	90.0	10	2.0	ug/l	100		90	55-125	3	25	
Benzo(g,h,i)perylene	112	10	4.0	ug/l	100		112	45-135	3	25	
Benzo(k)fluoranthene	101	10	2.5	ug/l	100		101	50-125	2	20	
Benzoic acid	72.6	20	10	ug/l	100		73	25-120	8	30	
Benzyl alcohol	93.2	20	3.5	ug/l	100		93	50-120	20	20	
4-Bromophenyl phenyl ether	99.3	10	3.0	ug/l	100		99	60-120	1	25	
Butyl benzyl phthalate	94.0	20	4.0	ug/l	100		94	55-130	2	20	
4-Chloro-3-methylphenol	97.8	20	2.5	ug/l	100		98	60-120	3	25	
4-Chloroaniline	96.2	10	2.0	ug/l	100		96	55-120	4	25	
Bis(2-chloroethoxy)methane	85.2	10	3.0	ug/l	100		85	55-120	1	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Bis(2-chloroethyl)ether	77.8	10	3.0	ug/l	100		78	50-120	1	20	
Bis(2-chloroisopropyl)ether	77.4	10	2.5	ug/l	100		77	45-120	3	20	
Bis(2-ethylhexyl)phthalate	99.8	50	4.0	ug/l	100		100	65-130	0.5	20	
2-Chloronaphthalene	94.6	10	3.0	ug/l	100		95	60-120	3	20	
2-Chlorophenol	82.7	10	3.0	ug/l	100		83	45-120	4	25	
4-Chlorophenyl phenyl ether	99.2	10	2.5	ug/l	100		99	65-120	2	20	
Chrysene	101	10	2.5	ug/l	100		101	65-120	5	20	
Dibenz(a,h)anthracene	111	20	3.0	ug/l	100		111	50-135	2	25	
Dibenzofuran	95.6	10	4.0	ug/l	100		96	65-120	0.9	20	
Di-n-butyl phthalate	93.8	20	3.0	ug/l	100		94	60-125	3	20	
1,2-Dichlorobenzene	66.8	10	3.0	ug/l	100		67	40-120	5	25	
1,3-Dichlorobenzene	57.6	10	3.0	ug/l	100		58	35-120	5	25	
1,4-Dichlorobenzene	63.8	10	2.5	ug/l	100		64	35-120	1	25	
2,2'-/4,4'-Dichlorobenzil	91.6	10	4.5	ug/l	100		92	50-130	3	30	
3,3'-Dichlorobenzidine	104	20	7.5	ug/l	100		104	45-135	6	25	
2,4-Dichlorophenol	90.6	10	3.5	ug/l	100		91	55-120	0.09	20	
Diethyl phthalate	92.3	10	3.5	ug/l	100		92	55-120	2	30	
2,4-Dimethylphenol	86.3	20	3.5	ug/l	100		86	40-120	8	25	
Dimethyl phthalate	99.6	10	2.5	ug/l	100		100	30-120	3	30	
4,6-Dinitro-2-methylphenol	82.1	20	4.0	ug/l	100		82	45-120	5	25	
2,4-Dinitrophenol	60.1	20	8.0	ug/l	100		60	40-120	23	25	
2,4-Dinitrotoluene	97.6	10	3.5	ug/l	100		98	65-120	0.3	20	
2,6-Dinitrotoluene	94.6	10	2.0	ug/l	100		95	65-120	2	20	
Di-n-octyl phthalate	86.9	20	3.5	ug/l	100		87	65-135	0.8	20	
1,2-Diphenylhydrazine/Azobenzene	90.3	20	2.5	ug/l	100		90	60-120	2	25	
Fluoranthene	107	10	3.0	ug/l	100		107	60-120	8	20	
Fluorene	94.7	10	3.0	ug/l	100		95	65-120	2	20	
Hexachlorobenzene	105	10	3.0	ug/l	100		105	60-120	2	20	
Hexachlorobutadiene	70.2	10	4.0	ug/l	100		70	40-120	3	25	
Hexachlorocyclopentadiene	52.8	20	5.0	ug/l	100		53	25-120	10	30	
Hexachloroethane	55.2	10	3.5	ug/l	100		55	35-120	2	25	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Indeno(1,2,3-cd)pyrene	106	20	3.5	ug/l	100		106	45-135	3	25	
Isophorone	95.1	10	3.0	ug/l	100		95	50-120	3	20	
2-Methylnaphthalene	82.6	10	2.0	ug/l	100		83	55-120	2	20	
2-Methylphenol	82.2	10	3.0	ug/l	100		82	50-120	5	20	
4-Methylphenol	86.6	10	3.0	ug/l	100		87	50-120	2	20	
Naphthalene	85.3	10	3.0	ug/l	100		85	55-120	3	20	
2-Nitroaniline	95.2	20	2.0	ug/l	100		95	65-120	3	20	
3-Nitroaniline	99.6	20	3.0	ug/l	100		100	60-120	5	25	
4-Nitroaniline	99.0	20	4.0	ug/l	100		99	55-125	7	20	
Nitrobenzene	90.1	20	3.0	ug/l	100		90	55-120	8	25	
2-Nitrophenol	91.9	10	3.5	ug/l	100		92	50-120	3	25	
4-Nitrophenol	98.9	20	5.5	ug/l	100		99	45-120	7	30	
N-Nitroso-di-n-propylamine	74.5	10	3.5	ug/l	100		74	45-120	2	20	
N-Nitrosodimethylamine	84.1	20	2.5	ug/l	100		84	45-120	0.3	20	
N-Nitrosodiphenylamine	92.8	10	2.0	ug/l	100		93	60-120	5	20	
Pentachlorophenol	80.4	20	3.5	ug/l	100		80	24-121	7	25	
Phenanthrene	97.1	10	3.5	ug/l	100		97	65-120	0.6	20	
Phenol	81.8	10	2.0	ug/l	100		82	40-120	3	25	
Pyrene	89.9	10	4.0	ug/l	100		90	55-125	2	25	
Pyridine	43.5	20	2.5	ug/l	100		44	30-120	37	30	*R-7*
1,2,4-Trichlorobenzene	72.8	10	2.5	ug/l	100		73	45-120	2	20	
2,4,5-Trichlorophenol	106	20	3.0	ug/l	100		106	55-120	8	30	
2,4,6-Trichlorophenol	103	20	4.5	ug/l	100		103	55-120	1	30	
Surrogate: 2,4,6-Tribromophenol	*213*			*ug/l*	*200*		*107*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*100*			*ug/l*	*100*		*100*	*50-120*			
Surrogate: 2-Fluorophenol	*147*			*ug/l*	*200*		*74*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.7*			*ug/l*	*100*		*88*	*45-120*			
Surrogate: Phenol-d6	*159*			*ug/l*	*200*		*80*	*35-120*			
Surrogate: Terphenyl-d14	*83.7*			*ug/l*	*100*		*84*	*50-125*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
Blank Analyzed: 09/09/2011 (11I0609-BLK1)											
Acenaphthene	ND	330	60	ug/kg							
Acenaphthylene	ND	330	70	ug/kg							
Aniline	ND	420	85	ug/kg							
Anthracene	ND	330	80	ug/kg							
Benzo(a)anthracene	ND	330	70	ug/kg							
Benzo(a)pyrene	ND	330	55	ug/kg							
Benzo(b)fluoranthene	ND	330	50	ug/kg							
Benzo(g,h,i)perylene	ND	330	110	ug/kg							
Benzo(k)fluoranthene	ND	330	70	ug/kg							
Benzoic acid	ND	830	150	ug/kg							
Benzyl alcohol	ND	330	200	ug/kg							
4-Bromophenyl phenyl ether	ND	330	75	ug/kg							
Butyl benzyl phthalate	ND	330	80	ug/kg							
4-Chloro-3-methylphenol	ND	330	70	ug/kg							
4-Chloroaniline	ND	330	120	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	70	ug/kg							
Bis(2-chloroethyl)ether	ND	170	60	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	60	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	90	ug/kg							
2-Chloronaphthalene	ND	330	65	ug/kg							
2-Chlorophenol	ND	330	70	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	85	ug/kg							
Chrysene	ND	330	75	ug/kg							
Dibenz(a,h)anthracene	ND	420	100	ug/kg							
Dibenzofuran	ND	330	60	ug/kg							
Di-n-butyl phthalate	ND	330	90	ug/kg							
1,2-Dichlorobenzene	ND	330	60	ug/kg							
1,3-Dichlorobenzene	ND	330	90	ug/kg							
1,4-Dichlorobenzene	ND	330	65	ug/kg							
2,2'-/4,4'-Dichlorobenzil	ND	330	100	ug/kg							
3,3'-Dichlorobenzidine	ND	830	150	ug/kg							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
Blank Analyzed: 09/09/2011 (11I0609-BLK1)											
2,4-Dichlorophenol	ND	330	60	ug/kg							
Diethyl phthalate	ND	330	95	ug/kg							
2,4-Dimethylphenol	ND	330	100	ug/kg							
Dimethyl phthalate	ND	330	65	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	110	ug/kg							
2,4-Dinitrophenol	ND	660	110	ug/kg							
2,4-Dinitrotoluene	ND	330	80	ug/kg							
2,6-Dinitrotoluene	ND	330	95	ug/kg							
Di-n-octyl phthalate	ND	330	90	ug/kg							
1,2-Diphenylhydrazine/Azobenzene	ND	330	60	ug/kg							
Fluoranthene	ND	330	70	ug/kg							
Fluorene	ND	330	70	ug/kg							
Hexachlorobenzene	ND	330	70	ug/kg							
Hexachlorobutadiene	ND	330	60	ug/kg							
Hexachlorocyclopentadiene	ND	830	90	ug/kg							
Hexachloroethane	ND	330	65	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	130	ug/kg							
Isophorone	ND	330	60	ug/kg							
2-Methylnaphthalene	ND	330	70	ug/kg							
2-Methylphenol	ND	330	80	ug/kg							
4-Methylphenol	ND	330	80	ug/kg							
Naphthalene	ND	330	60	ug/kg							
2-Nitroaniline	ND	330	60	ug/kg							
3-Nitroaniline	ND	330	75	ug/kg							
4-Nitroaniline	ND	830	90	ug/kg							
Nitrobenzene	ND	330	70	ug/kg							
2-Nitrophenol	ND	330	60	ug/kg							
4-Nitrophenol	ND	830	140	ug/kg							
N-Nitroso-di-n-propylamine	ND	250	70	ug/kg							
N-Nitrosodimethylamine	ND	330	55	ug/kg							
N-Nitrosodiphenylamine	ND	330	80	ug/kg							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
Blank Analyzed: 09/09/2011 (11I0609-BLK1)											
Pentachlorophenol	ND	830	150	ug/kg							
Phenanthrene	ND	330	60	ug/kg							
Phenol	ND	330	90	ug/kg							
Pyrene	ND	330	80	ug/kg							
Pyridine	ND	200	70	ug/kg							
1,2,4-Trichlorobenzene	ND	330	50	ug/kg							
2,4,5-Trichlorophenol	ND	330	130	ug/kg							
2,4,6-Trichlorophenol	ND	330	75	ug/kg							
n-Hydroxymethylphthalimide	ND	6600	2300	ug/kg							
Octachlorostyrene	ND	3300	2300	ug/kg							
Pentachlorobenzene	ND	330	75	ug/kg							
Phenyl disulfide	ND	330	140	ug/kg							
Phenyl sulfide	ND	330	75	ug/kg							
4-Chlorobenzenethiol	ND	6600	2000	ug/kg							
Thiophenol	ND	6600	2600	ug/kg							
4,4'-Dichlorobenzophenone	ND	330	82	ug/kg							
4-Chlorophenyl methyl sulfide	ND	330	80	ug/kg							
4-Chlorophenyl methyl sulfone	ND	330	85	ug/kg							
4-Chlorophenyl sulfone	ND	330	85	ug/kg							
Benzophenone	ND	330	74	ug/kg							
bis(4-chlorophenyl)disulfide	ND	330	180	ug/kg							
Diphenyl sulfone	ND	6600	1500	ug/kg							
1,2,4,5-Tetrachlorobenzene	ND	330	90	ug/kg							
Surrogate: 2,4,6-Tribromophenol	*6520*			*ug/kg*	*6670*		*98*	*35-125*			
Surrogate: 2-Fluorobiphenyl	*2710*			*ug/kg*	*3330*		*81*	*35-120*			
Surrogate: 2-Fluorophenol	*6200*			*ug/kg*	*6670*		*93*	*25-120*			
Surrogate: Nitrobenzene-d5	*2600*			*ug/kg*	*3330*		*78*	*30-120*			
Surrogate: Phenol-d6	*6520*			*ug/kg*	*6670*		*98*	*35-120*			
Surrogate: Terphenyl-d14	*3080*			*ug/kg*	*3330*		*92*	*40-135*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
LCS Analyzed: 09/07/2011 (11I0609-BS1)											**MNR**
Acenaphthene	2780	330	60	ug/kg	3330		84	50-120			
Acenaphthylene	3240	330	70	ug/kg	3330		97	50-120			
Aniline	3320	420	85	ug/kg	3330		100	25-120			
Anthracene	2960	330	80	ug/kg	3330		89	55-120			
Benzo(a)anthracene	3070	330	70	ug/kg	3330		92	55-120			
Benzo(a)pyrene	3290	330	55	ug/kg	3330		99	50-125			
Benzo(b)fluoranthene	2990	330	50	ug/kg	3330		90	45-125			
Benzo(g,h,i)perylene	3270	330	110	ug/kg	3330		98	35-130			
Benzo(k)fluoranthene	3160	330	70	ug/kg	3330		95	45-125			
Benzoic acid	2400	830	150	ug/kg	3330		72	20-120			
Benzyl alcohol	3530	330	200	ug/kg	3330		106	35-120			
4-Bromophenyl phenyl ether	3010	330	75	ug/kg	3330		90	45-120			
Butyl benzyl phthalate	2970	330	80	ug/kg	3330		89	50-125			
4-Chloro-3-methylphenol	3470	330	70	ug/kg	3330		104	50-125			
4-Chloroaniline	2970	330	120	ug/kg	3330		89	20-120			
Bis(2-chloroethoxy)methane	2650	330	70	ug/kg	3330		80	45-120			
Bis(2-chloroethyl)ether	2290	170	60	ug/kg	3330		69	35-120			
Bis(2-chloroisopropyl)ether	2260	330	60	ug/kg	3330		68	40-120			
Bis(2-ethylhexyl)phthalate	3150	330	90	ug/kg	3330		95	50-130			
2-Chloronaphthalene	2760	330	65	ug/kg	3330		83	45-120			
2-Chlorophenol	2860	330	70	ug/kg	3330		86	40-120			
4-Chlorophenyl phenyl ether	2960	330	85	ug/kg	3330		89	55-120			
Chrysene	3000	330	75	ug/kg	3330		90	55-120			
Dibenz(a,h)anthracene	3540	420	100	ug/kg	3330		106	40-135			
Dibenzofuran	2920	330	60	ug/kg	3330		87	55-120			
Di-n-butyl phthalate	2890	330	90	ug/kg	3330		87	50-125			
1,2-Dichlorobenzene	2230	330	60	ug/kg	3330		67	40-120			
1,3-Dichlorobenzene	2300	330	90	ug/kg	3330		69	35-120			
1,4-Dichlorobenzene	2240	330	65	ug/kg	3330		67	35-120			
2,2'-/4,4'-Dichlorobenzil	3000	330	100	ug/kg	3330		90	50-130			
3,3'-Dichlorobenzidine	3130	830	150	ug/kg	3330		94	20-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
LCS Analyzed: 09/07/2011 (11I0609-BS1)											**MNR**
2,4-Dichlorophenol	3040	330	60	ug/kg	3330		91	45-120			
Diethyl phthalate	2890	330	95	ug/kg	3330		87	50-125			
2,4-Dimethylphenol	2610	330	100	ug/kg	3330		78	40-120			
Dimethyl phthalate	3030	330	65	ug/kg	3330		91	50-125			
4,6-Dinitro-2-methylphenol	2870	420	110	ug/kg	3330		86	40-120			
2,4-Dinitrophenol	2520	660	110	ug/kg	3330		76	25-120			
2,4-Dinitrotoluene	2900	330	80	ug/kg	3330		87	55-125			
2,6-Dinitrotoluene	3010	330	95	ug/kg	3330		90	55-125			
Di-n-octyl phthalate	2740	330	90	ug/kg	3330		82	50-135			
1,2-Diphenylhydrazine/Azobenzene	2760	330	60	ug/kg	3330		83	50-125			
Fluoranthene	2920	330	70	ug/kg	3330		88	55-120			
Fluorene	2920	330	70	ug/kg	3330		88	55-120			
Hexachlorobenzene	3010	330	70	ug/kg	3330		90	50-120			
Hexachlorobutadiene	2320	330	60	ug/kg	3330		69	40-120			
Hexachlorocyclopentadiene	2280	830	90	ug/kg	3330		69	30-125			
Hexachloroethane	2380	330	65	ug/kg	3330		71	40-120			
Indeno(1,2,3-cd)pyrene	3240	330	130	ug/kg	3330		97	30-135			
Isophorone	2720	330	60	ug/kg	3330		82	40-120			
2-Methylnaphthalene	2740	330	70	ug/kg	3330		82	45-120			
2-Methylphenol	2820	330	80	ug/kg	3330		85	40-120			
4-Methylphenol	3040	330	80	ug/kg	3330		91	45-120			
Naphthalene	2650	330	60	ug/kg	3330		79	45-120			
2-Nitroaniline	3130	330	60	ug/kg	3330		94	50-125			
3-Nitroaniline	2910	330	75	ug/kg	3330		87	35-120			
4-Nitroaniline	3230	830	90	ug/kg	3330		97	45-125			
Nitrobenzene	2590	330	70	ug/kg	3330		78	45-120			
2-Nitrophenol	2700	330	60	ug/kg	3330		81	45-120			
4-Nitrophenol	3450	830	140	ug/kg	3330		104	40-125			
N-Nitroso-di-n-propylamine	2390	250	70	ug/kg	3330		72	40-120			
N-Nitrosodimethylamine	2220	330	55	ug/kg	3330		67	25-120			
N-Nitrosodiphenylamine	2890	330	80	ug/kg	3330		87	50-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0609 Extracted: 09/07/11											
LCS Analyzed: 09/07/2011 (11I0609-BS1)											**MNR**
Pentachlorophenol	2690	830	150	ug/kg	3330		81	40-120			
Phenanthrene	2880	330	60	ug/kg	3330		86	50-120			
Phenol	3030	330	90	ug/kg	3330		91	40-120			
Pyrene	2930	330	80	ug/kg	3330		88	45-125			
Pyridine	1570	200	70	ug/kg	3330		47	25-130			
1,2,4-Trichlorobenzene	2480	330	50	ug/kg	3330		74	40-120			
2,4,5-Trichlorophenol	3160	330	130	ug/kg	3330		95	50-120			
2,4,6-Trichlorophenol	3160	330	75	ug/kg	3330		95	50-120			
Surrogate: 2,4,6-Tribromophenol	*6700*			*ug/kg*	*6670*		*100*	*35-125*			
Surrogate: 2-Fluorobiphenyl	*3070*			*ug/kg*	*3330*		*92*	*35-120*			
Surrogate: 2-Fluorophenol	*6240*			*ug/kg*	*6670*		*94*	*25-120*			
Surrogate: Nitrobenzene-d5	*2840*			*ug/kg*	*3330*		*85*	*30-120*			
Surrogate: Phenol-d6	*6590*			*ug/kg*	*6670*		*99*	*35-120*			
Surrogate: Terphenyl-d14	*3020*			*ug/kg*	*3330*		*91*	*40-135*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3546/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0502 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0502-BLK1)											
2,4'-DDD	ND	5.0	1.5	ug/kg							
2,4'-DDE	ND	5.0	1.5	ug/kg							
2,4'-DDT	ND	5.0	1.5	ug/kg							
4,4'-DDD	ND	5.0	1.5	ug/kg							
4,4'-DDE	ND	5.0	1.5	ug/kg							
4,4'-DDT	ND	5.0	1.5	ug/kg							
Aldrin	ND	5.0	1.5	ug/kg							
alpha-BHC	ND	5.0	1.5	ug/kg							
beta-BHC	ND	5.0	1.5	ug/kg							
delta-BHC	ND	10	1.5	ug/kg							
Dieldrin	ND	5.0	1.5	ug/kg							
Endosulfan I	ND	5.0	1.5	ug/kg							
Endosulfan II	ND	5.0	1.5	ug/kg							
Endosulfan sulfate	ND	10	2.0	ug/kg							
Endrin	ND	5.0	1.5	ug/kg							
Endrin aldehyde	ND	5.0	1.5	ug/kg							
Endrin ketone	ND	5.0	2.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	1.5	ug/kg							
Heptachlor	ND	5.0	2.0	ug/kg							
Heptachlor epoxide	ND	5.0	2.0	ug/kg							
Methoxychlor	ND	5.0	1.5	ug/kg							
Chlordane	ND	50	10	ug/kg							
Toxaphene	ND	200	50	ug/kg							
Surrogate: Decachlorobiphenyl	*28.9*			*ug/kg*	*33.3*		*87*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*26.7*			*ug/kg*	*33.3*		*80*	*35-115*			
LCS Analyzed: 09/06/2011 (11I0502-BS1)											**MNR**
2,4'-DDD	29.5	5.0	1.5	ug/kg	33.3		88	60-120			
2,4'-DDE	28.7	5.0	1.5	ug/kg	33.3		86	60-120			
2,4'-DDT	31.5	5.0	1.5	ug/kg	33.3		94	65-120			
4,4'-DDD	30.2	5.0	1.5	ug/kg	33.3		91	60-120			
4,4'-DDE	30.0	5.0	1.5	ug/kg	33.3		90	60-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3546/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0502 Extracted: 09/06/11											
LCS Analyzed: 09/06/2011 (11I0502-BS1)											**MNR**
4,4'-DDT	29.3	5.0	1.5	ug/kg	33.3		88	65-120			
Aldrin	26.9	5.0	1.5	ug/kg	33.3		81	50-115			
alpha-BHC	25.5	5.0	1.5	ug/kg	33.3		77	60-115			
beta-BHC	26.7	5.0	1.5	ug/kg	33.3		80	60-115			
delta-BHC	26.8	10	1.5	ug/kg	33.3		80	60-115			
Dieldrin	29.4	5.0	1.5	ug/kg	33.3		88	65-115			
Endosulfan I	27.7	5.0	1.5	ug/kg	33.3		83	40-120			
Endosulfan II	27.6	5.0	1.5	ug/kg	33.3		83	55-120			
Endosulfan sulfate	28.1	10	2.0	ug/kg	33.3		84	65-115			
Endrin	30.9	5.0	1.5	ug/kg	33.3		93	55-120			
Endrin aldehyde	26.9	5.0	1.5	ug/kg	33.3		81	55-115			
Endrin ketone	30.3	5.0	2.0	ug/kg	33.3		91	65-115			
gamma-BHC (Lindane)	28.0	5.0	1.5	ug/kg	33.3		84	55-115			
Heptachlor	28.0	5.0	2.0	ug/kg	33.3		84	55-115			
Heptachlor epoxide	28.0	5.0	2.0	ug/kg	33.3		84	55-115			
Methoxychlor	32.6	5.0	1.5	ug/kg	33.3		98	65-120			
Surrogate: Decachlorobiphenyl	*28.8*			*ug/kg*	*33.3*		*86*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*26.4*			*ug/kg*	*33.3*		*79*	*35-115*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
Blank Analyzed: 09/07/2011 (11I0569-BLK1)											
2,4'-DDD	ND	0.10	0.020	ug/l							
2,4'-DDE	ND	0.10	0.020	ug/l							
2,4'-DDT	ND	0.10	0.020	ug/l							
4,4'-DDD	ND	0.10	0.020	ug/l							
4,4'-DDE	ND	0.10	0.020	ug/l							
4,4'-DDT	ND	0.10	0.020	ug/l							
Aldrin	ND	0.10	0.020	ug/l							
alpha-BHC	ND	0.10	0.020	ug/l							
beta-BHC	ND	0.10	0.030	ug/l							
delta-BHC	ND	0.20	0.020	ug/l							
Dieldrin	ND	0.10	0.020	ug/l							
Endosulfan I	ND	0.10	0.020	ug/l							
Endosulfan II	ND	0.10	0.020	ug/l							
Endosulfan sulfate	ND	0.20	0.020	ug/l							
Endrin	ND	0.10	0.020	ug/l							
Endrin aldehyde	ND	0.10	0.020	ug/l							
Endrin ketone	ND	0.10	0.040	ug/l							
gamma-BHC (Lindane)	ND	0.10	0.020	ug/l							
Heptachlor	ND	0.10	0.030	ug/l							
Heptachlor epoxide	ND	0.10	0.030	ug/l							
Methoxychlor	ND	0.10	0.020	ug/l							
Chlordane	ND	1.0	0.20	ug/l							
Toxaphene	ND	5.0	0.50	ug/l							
Surrogate: Decachlorobiphenyl	*0.409*			*ug/l*	*0.500*		*82*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.398*			*ug/l*	*0.500*		*80*	*35-120*			
LCS Analyzed: 09/07/2011 (11I0569-BS1)											**MNR1**
2,4'-DDD	0.489	0.10	0.020	ug/l	0.500		98	55-120			
2,4'-DDE	0.473	0.10	0.020	ug/l	0.500		95	50-120			
2,4'-DDT	0.513	0.10	0.020	ug/l	0.500		103	55-120			
4,4'-DDD	0.514	0.10	0.020	ug/l	0.500		103	55-120			
4,4'-DDE	0.501	0.10	0.020	ug/l	0.500		100	50-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
LCS Analyzed: 09/07/2011 (11I0569-BS1)											**MNR1**
4,4'-DDT	0.485	0.10	0.020	ug/l	0.500		97	55-120			
Aldrin	0.474	0.10	0.020	ug/l	0.500		95	40-115			
alpha-BHC	0.441	0.10	0.020	ug/l	0.500		88	45-115			
beta-BHC	0.456	0.10	0.030	ug/l	0.500		91	55-115			
delta-BHC	0.459	0.20	0.020	ug/l	0.500		92	55-115			
Dieldrin	0.494	0.10	0.020	ug/l	0.500		99	55-115			
Endosulfan I	0.463	0.10	0.020	ug/l	0.500		93	55-115			
Endosulfan II	0.475	0.10	0.020	ug/l	0.500		95	55-120			
Endosulfan sulfate	0.484	0.20	0.020	ug/l	0.500		97	60-120			
Endrin	0.511	0.10	0.020	ug/l	0.500		102	55-115			
Endrin aldehyde	0.497	0.10	0.020	ug/l	0.500		99	50-120			
Endrin ketone	0.497	0.10	0.040	ug/l	0.500		99	55-120			
gamma-BHC (Lindane)	0.488	0.10	0.020	ug/l	0.500		98	45-115			
Heptachlor	0.485	0.10	0.030	ug/l	0.500		97	45-115			
Heptachlor epoxide	0.465	0.10	0.030	ug/l	0.500		93	55-115			
Methoxychlor	0.519	0.10	0.020	ug/l	0.500		104	60-120			
Surrogate: Decachlorobiphenyl	*0.417*			*ug/l*	*0.500*		*83*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.434*			*ug/l*	*0.500*		*87*	*35-120*			
LCS Dup Analyzed: 09/07/2011 (11I0569-BSD1)											
2,4'-DDD	0.498	0.10	0.020	ug/l	0.500		100	55-120	2	30	
2,4'-DDE	0.479	0.10	0.020	ug/l	0.500		96	50-120	1	30	
2,4'-DDT	0.514	0.10	0.020	ug/l	0.500		103	55-120	0.3	30	
4,4'-DDD	0.525	0.10	0.020	ug/l	0.500		105	55-120	2	30	
4,4'-DDE	0.509	0.10	0.020	ug/l	0.500		102	50-120	1	30	
4,4'-DDT	0.485	0.10	0.020	ug/l	0.500		97	55-120	0.04	30	
Aldrin	0.476	0.10	0.020	ug/l	0.500		95	40-115	0.4	30	
alpha-BHC	0.445	0.10	0.020	ug/l	0.500		89	45-115	0.8	30	
beta-BHC	0.462	0.10	0.030	ug/l	0.500		92	55-115	1	30	
delta-BHC	0.462	0.20	0.020	ug/l	0.500		92	55-115	0.7	30	
Dieldrin	0.501	0.10	0.020	ug/l	0.500		100	55-115	1	30	
Endosulfan I	0.469	0.10	0.020	ug/l	0.500		94	55-115	1	30	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
LCS Dup Analyzed: 09/07/2011 (11I0569-BSD1)											
Endosulfan II	0.483	0.10	0.020	ug/l	0.500		97	55-120	2	30	
Endosulfan sulfate	0.496	0.20	0.020	ug/l	0.500		99	60-120	2	30	
Endrin	0.509	0.10	0.020	ug/l	0.500		102	55-115	0.3	30	
Endrin aldehyde	0.509	0.10	0.020	ug/l	0.500		102	50-120	2	30	
Endrin ketone	0.509	0.10	0.040	ug/l	0.500		102	55-120	2	30	
gamma-BHC (Lindane)	0.490	0.10	0.020	ug/l	0.500		98	45-115	0.5	30	
Heptachlor	0.480	0.10	0.030	ug/l	0.500		96	45-115	1	30	
Heptachlor epoxide	0.471	0.10	0.030	ug/l	0.500		94	55-115	1	30	
Methoxychlor	0.519	0.10	0.020	ug/l	0.500		104	60-120	0.2	30	
Surrogate: Decachlorobiphenyl	*0.423*			*ug/l*	*0.500*		*85*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.423*			*ug/l*	*0.500*		*85*	*35-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0758 Extracted: 09/07/11											
Blank Analyzed: 09/09/2011 (11I0758-BLK1)											
Arsenic	ND	0.10	0.090	mg/l							
Barium	ND	0.10	0.030	mg/l							
Cadmium	ND	0.10	0.010	mg/l							
Chromium	ND	0.20	0.090	mg/l							
Lead	ND	0.10	0.020	mg/l							
Selenium	ND	0.10	0.050	mg/l							
Silver	ND	0.10	0.010	mg/l							
LCS Analyzed: 09/09/2011 (11I0758-BS1)											
Arsenic	1.73	0.10	0.090	mg/l	2.00		87	80-120			
Barium	1.92	0.10	0.030	mg/l	2.00		96	80-120			
Cadmium	1.84	0.10	0.010	mg/l	2.00		92	80-120			
Chromium	1.83	0.20	0.090	mg/l	2.00		92	80-120			
Lead	1.90	0.10	0.020	mg/l	2.00		95	80-120			
Selenium	1.64	0.10	0.050	mg/l	2.00		82	80-120			
Silver	1.06	0.10	0.010	mg/l	1.00		106	80-120			
Matrix Spike Analyzed: 09/09/2011 (11I0758-MS1)						**Source: IUI0197-02**					
Arsenic	1.82	0.10	0.090	mg/l	2.00	ND	91	75-125			
Barium	1.96	0.10	0.030	mg/l	2.00	0.0830	94	75-125			
Cadmium	1.81	0.10	0.010	mg/l	2.00	ND	91	75-125			
Chromium	1.83	0.20	0.090	mg/l	2.00	ND	91	75-125			
Lead	1.89	0.10	0.020	mg/l	2.00	ND	94	75-125			
Selenium	1.64	0.10	0.050	mg/l	2.00	ND	82	75-125			
Silver	1.03	0.10	0.010	mg/l	1.00	ND	103	75-125			
Batch: 11I0759 Extracted: 09/08/11											
Blank Analyzed: 09/08/2011 (11I0759-BLK1)											
Arsenic	ND	0.10	0.090	mg/l							
Barium	ND	0.10	0.030	mg/l							
Cadmium	ND	0.10	0.010	mg/l							
Chromium	ND	0.20	0.090	mg/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0759 Extracted: 09/08/11											
Blank Analyzed: 09/08/2011 (11I0759-BLK1)											
Lead	ND	0.10	0.020	mg/l							
Selenium	ND	0.10	0.050	mg/l							
Silver	ND	0.10	0.010	mg/l							
LCS Analyzed: 09/08/2011 (11I0759-BS1)											
Arsenic	1.88	0.10	0.090	mg/l	2.00		94	80-120			
Barium	1.90	0.10	0.030	mg/l	2.00		95	80-120			
Cadmium	1.80	0.10	0.010	mg/l	2.00		90	80-120			
Chromium	1.92	0.20	0.090	mg/l	2.00		96	80-120			
Lead	1.92	0.10	0.020	mg/l	2.00		96	80-120			
Selenium	1.80	0.10	0.050	mg/l	2.00		90	80-120			
Silver	1.02	0.10	0.010	mg/l	1.00		102	80-120			
Matrix Spike Analyzed: 09/09/2011 (11I0759-MS1)						**Source: IUI0197-01**					
Arsenic	1.97	0.10	0.090	mg/l	2.00	0.117	93	75-125			
Barium	2.21	0.10	0.030	mg/l	2.00	0.403	91	75-125			
Cadmium	1.81	0.10	0.010	mg/l	2.00	ND	91	75-125			
Chromium	1.88	0.20	0.090	mg/l	2.00	ND	94	75-125			
Lead	1.85	0.10	0.020	mg/l	2.00	ND	92	75-125			
Selenium	1.75	0.10	0.050	mg/l	2.00	ND	87	75-125			
Silver	1.01	0.10	0.010	mg/l	1.00	ND	101	75-125			
Batch: 11I1008 Extracted: 09/09/11											
Blank Analyzed: 09/09/2011 (11I1008-BLK1)											
Mercury	ND	0.0020	0.0010	mg/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

TCLP METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I1008 Extracted: 09/09/11											
LCS Analyzed: 09/09/2011 (11I1008-BS1)											
Mercury	0.0804	0.0020	0.0010	mg/l	0.0800		100	80-120			
Matrix Spike Analyzed: 09/09/2011 (11I1008-MS1)						**Source: IUI0197-01**					
Mercury	0.0807	0.0020	0.0010	mg/l	0.0800	ND	101	70-130			
Matrix Spike Dup Analyzed: 09/09/2011 (11I1008-MSD1)						**Source: IUI0197-01**					
Mercury	0.0791	0.0020	0.0010	mg/l	0.0800	ND	99	70-130	2	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Herbicides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 13057 Extracted: 09/05/11											
Blank Analyzed: 09/14/2011 (13862-42)					**Source:**						
2,4,5-T	ND	20	2.5	ug/Kg				-			
2,4-D	ND	80	5.5	ug/Kg				-			
2,4-DB	ND	80	6.1	ug/Kg				-			
2,4-Dichlorophenylacetic acid	170	NA	N/A	ug/Kg	200		85	42-140			
Dalapon	ND	90	7.1	ug/Kg				-			
Dicamba	ND	40	4.8	ug/Kg				-			
Dinoseb	ND	12	4.5	ug/Kg				-			
Pentachlorophenol	ND	11	1.1	ug/Kg				-			
Silvex (2,4,5-TP)	ND	20	2.1	ug/Kg				-			
MCPA	ND	8000	1600	ug/Kg				-			
MCPP	ND	8000	1600	ug/Kg				-			
LCS Analyzed: 09/14/2011 (13862-43)					**Source:**						
Dinoseb	9.80	12	4.5	ug/Kg	48.0		20	10-140			*J*
Blank Analyzed: 09/14/2011 (13863-43)					**Source:**						
Dichlorprop	ND	80	9.5	ug/Kg				-			
LCS Analyzed: 09/14/2011 (13863-44)					**Source:**						
2,4,5-T	57.3	20	2.5	ug/Kg	80.0		72	30-140			
2,4-D	191	80	5.5	ug/Kg	320		60	30-140			
2,4-DB	238	80	6.1	ug/Kg	320		74	34-140			
2,4-Dichlorophenylacetic acid	163	NA	N/A	ug/Kg	200		81	42-140			
Dalapon	99.7	90	7.1	ug/Kg	160		62	36-120			
Dicamba	124	40	4.8	ug/Kg	160		77	50-140			
Dichlorprop	248	80	9.5	ug/Kg	320		78	50-130			
Pentachlorophenol	28.7	11	1.1	ug/Kg	40.0		72	60-140			
Silvex (2,4,5-TP)	59.1	20	2.1	ug/Kg	80.0		74	40-130			
MCPA	22100	8000	1600	ug/Kg	32000		69	50-120			
MCPP	25100	8000	1600	ug/Kg	32000		78	50-140			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Herbicides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 13216 Extracted: 09/07/11											
LCS Analyzed: 09/12/2011 (13727-11)					**Source:**						
2,4,5-T	0.00212	0.0010	0.000097	mg/L	0.00400		53	32-140			
Dalapon	0.00468	0.0050	0.00069	mg/L	0.00800		58	32-140			*J*
Dicamba	0.00708	0.0020	0.00026	mg/L	0.00800		88	32-140			
Pentachlorophenol	0.00204	0.00050	0.000078	mg/L	0.00200		102	40-140			
Silvex (2,4,5-TP)	0.00239	0.0010	0.00011	mg/L	0.00400		60	32-140			
Dinoseb	0.00128	0.00090	0.00013	mg/L	0.00240		53	10-140			*p*
Blank Analyzed: 09/12/2011 (13891-10)					**Source:**						
2,4,5-T	ND	0.0010	0.000097	mg/L				-			
2,4-D	ND	0.0040	0.00045	mg/L				-			
2,4-DB	ND	0.0040	0.00046	mg/L				-			
2,4-Dichlorophenylacetic acid	0.00784	NA	N/A	mg/L	0.0100		78	32-140			
Dalapon	ND	0.0050	0.00069	mg/L				-			
Dicamba	ND	0.0020	0.00026	mg/L				-			
Dichlorprop	ND	0.0040	0.00054	mg/L				-			
MCPA	ND	0.40	0.051	mg/L				-			
MCPP	ND	0.40	0.046	mg/L				-			
Pentachlorophenol	ND	0.00050	0.000078	mg/L				-			
Silvex (2,4,5-TP)	ND	0.0010	0.00011	mg/L				-			
Dinoseb	ND	0.00090	0.00013	mg/L				-			
LCS Analyzed: 09/12/2011 (13891-11)					**Source:**						
2,4-D	0.00754	0.0040	0.00045	mg/L	0.0160		47	32-140			
2,4-DB	0.0124	0.0040	0.00046	mg/L	0.0160		78	30-140			
2,4-Dichlorophenylacetic acid	0.00780	NA	N/A	mg/L	0.0100		78	32-140			
Dichlorprop	0.00978	0.0040	0.00054	mg/L	0.0160		61	32-140			
MCPA	0.956	0.40	0.051	mg/L	1.60		60	32-140			
MCPP	1.05	0.40	0.046	mg/L	1.60		65	32-140			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson Waste
601862062
Report Number: IUI0197

Sampled: 08/28/11-08/31/11
Received: 09/01/11

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDD	1	117	IUI0197-02	11I0569
4,4'-DDE	1	116	IUI0197-02	11I0569

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Henderson Waste 601862062 Report Number: IUI0197	Sampled: 08/28/11-08/31/11 Received: 09/01/11

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
R-7	LCS/LCSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Henderson Waste 601862062 Report Number: IUI0197	Sampled: 08/28/11-08/31/11 Received: 09/01/11

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EPA 1311-Met	Soil	X	
EPA 1311-Met	Water	X	
EPA 6020	Soil	X	X
EPA 6020	Water	X	X
EPA 7470A	Soil		
EPA 7470A	Water	X	
EPA 8081A	Soil	X	X
EPA 8081A	Water	X	X
EPA 8260B	Soil	X	X
EPA 8260B	Water	X	X
EPA 8270C	Soil	X	X
EPA 8270C	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

Subcontracted Laboratories

TestAmerica Pittsburgh

301 Alpha Drive - Pittsburgh, PA 15238

Method Performed: 8151A ALL
Samples: IUI0197-01, IUI0197-02

Method Performed: 8151A ALLRE1
Samples: IUI0197-01RE1, IUI0197-02RE1

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

IUI0197

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: AECOM
3995 VIA ORO
LONG BEACH, CA 90810

Project/PO Number: Henderson
60186206.2

Project Manager: Alycia McLORD

Phone Number: 562-213-4155

Sampler: Katherine Carr Green

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs 8260B	SVOCs 8270	8081 Pesticides	Chlorinated Herbicides 8151	RCRA TCLP metals					Special Instructions
1DW082811	Soil	Jar	3	8/28/11	1100	—	X	X	X	X	X					
1DW083111	W	9	9	8/31/11	1530	HCL/HNO3	X	X	X	X	X					

KCG KCG KCG

O.O 9/2/11 14:20

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
KCG	08/31/11 1630	[signature]	8/31/11 1630	same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ____
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
		VuBanh	9/1/11 9:55	intact ✓ on ice ✓ 3.7 °C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

9 BTU's
3 VOA's
12 TOTAL 03 8/31/11 ✓

14.9 i

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-3631-1
Client Project/Site: AECOM Inc Long Beach

For:
TestAmerica Laboratories, Inc
17461 Derian Ave
Suite 100
Irvine, California 92614-5817

Attn: Ms. Amy Harris

Authorized for release by:
09/15/2011 03:49:02 PM

Christina Kovitch
Project Manager II
chris.kovitch@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Client Sample Results 8
QC Sample Results 9
QC Association 11
Chain of Custody 12
Receipt Checklists 14

Job ID: 180-3631-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-3631-1

Comments
No additional comments.

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

GC Semi VOA
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.

Definitions/Glossary

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	ACLASS	DoD ELAP		ADE-1422
TestAmerica Pittsburgh	Arkansas	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina	North Carolina DENR	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	USDA		P-Soil-01
TestAmerica Pittsburgh	USDA	USDA		P330-10-00139
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	West Virginia	West Virginia DEP	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

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

Sample Summary

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-3631-1	IUI0197-01	Solid	08/28/11 11:00	09/03/11 11:00
180-3631-2	IUI0197-02	Water	08/31/11 15:30	09/03/11 11:00

Method Summary

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Method	Method Description	Protocol	Laboratory
8151A	Herbicides (GC)	SW846	TAL PIT
Moisture	Percent Moisture	EPA	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Client Sample Results

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Client Sample ID: IUI0197-01

Date Collected: 08/28/11 11:00
Date Received: 09/03/11 11:00

Lab Sample ID: 180-3631-1
Matrix: Solid
Percent Solids: 96.5

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	21	U	21	2.6	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
2,4-D	83	U	83	5.7	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
2,4-DB	83	U	83	6.3	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
Dalapon	93	U	93	7.3	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
Dicamba	41	U	41	5.0	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
Dichlorprop	83	U	83	9.8	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
Dinoseb	12	U	12	4.7	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
MCPA	8300	U	8300	1700	ug/Kg	☼	09/05/11 11:01	09/14/11 07:17	20
MCPP	8300	U	8300	1700	ug/Kg	☼	09/05/11 11:01	09/14/11 07:17	20
Pentachlorophenol	11	U	11	1.1	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20
Silvex (2,4,5-TP)	21	U	21	2.2	ug/Kg	☼	09/05/11 11:01	09/14/11 07:42	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*42 - 140*	*09/05/11 11:01*	*09/14/11 07:42*	*20*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**97**		0.10	0.10	%			09/08/11 11:47	1

Client Sample ID: IUI0197-02

Date Collected: 08/31/11 15:30
Date Received: 09/03/11 11:00

Lab Sample ID: 180-3631-2
Matrix: Water

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	**0.00017**	**J**	0.00095	0.000092	mg/L		09/07/11 18:00	09/12/11 15:22	20
2,4-D	0.0038	U	0.0038	0.00043	mg/L		09/07/11 18:00	09/12/11 15:22	20
2,4-DB	0.0038	U	0.0038	0.00044	mg/L		09/07/11 18:00	09/12/11 15:22	20
Dalapon	0.0048	U	0.0048	0.00066	mg/L		09/07/11 18:00	09/12/11 15:22	20
Dicamba	0.0019	U	0.0019	0.00025	mg/L		09/07/11 18:00	09/12/11 15:22	20
Dichlorprop	0.0038	U	0.0038	0.00051	mg/L		09/07/11 18:00	09/12/11 15:22	20
Dinoseb	0.00086	U	0.00086	0.00012	mg/L		09/07/11 18:00	09/12/11 14:55	20
MCPA	0.38	U	0.38	0.049	mg/L		09/07/11 18:00	09/12/11 15:22	20
MCPP	0.38	U	0.38	0.044	mg/L		09/07/11 18:00	09/12/11 15:22	20
Pentachlorophenol	0.00048	U	0.00048	0.000074	mg/L		09/07/11 18:00	09/12/11 15:22	20
Silvex (2,4,5-TP)	0.00095	U	0.00095	0.00010	mg/L		09/07/11 18:00	09/12/11 15:22	20

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*32 - 140*	*09/07/11 18:00*	*09/12/11 15:22*	*20*

QC Sample Results

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 180-13057/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13863 — **Prep Batch: 13057**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorprop	80	U	80	9.5	ug/Kg		09/05/11 11:01	09/14/11 10:16	20

Lab Sample ID: MB 180-13057/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13862 — **Prep Batch: 13057**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	20	U	20	2.5	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
2,4-D	80	U	80	5.5	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
2,4-DB	80	U	80	6.1	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
Dalapon	90	U	90	7.1	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
Dicamba	40	U	40	4.8	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
Dinoseb	12	U	12	4.5	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
MCPA	8000	U	8000	1600	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
MCPP	8000	U	8000	1600	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
Pentachlorophenol	11	U	11	1.1	ug/Kg		09/05/11 11:01	09/14/11 10:42	20
Silvex (2,4,5-TP)	20	U	20	2.1	ug/Kg		09/05/11 11:01	09/14/11 10:42	20

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*85*		*42 - 140*	*09/05/11 11:01*	*09/14/11 10:42*	*20*

Lab Sample ID: LCS 180-13057/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13863 — **Prep Batch: 13057**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4,5-T	80.0	57.3		ug/Kg		72	30 - 140
2,4-D	320	191		ug/Kg		60	30 - 140
2,4-DB	320	238		ug/Kg		74	34 - 140
Dalapon	160	99.7		ug/Kg		62	36 - 120
Dicamba	160	124		ug/Kg		77	50 - 140
Dichlorprop	320	248		ug/Kg		78	50 - 130
MCPA	32000	22100		ug/Kg		69	50 - 120
MCPP	32000	25100		ug/Kg		78	50 - 140
Pentachlorophenol	40.0	28.7		ug/Kg		72	60 - 140
Silvex (2,4,5-TP)	80.0	59.1		ug/Kg		74	40 - 130

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*81*		*42 - 140*

Lab Sample ID: LCS 180-13057/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13862 — **Prep Batch: 13057**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Dinoseb	48.0	9.80	J	ug/Kg		20	10 - 140

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 180-13216/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 13891 — **Prep Batch: 13216**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.0010	U	0.0010	0.000097	mg/L		09/07/11 18:00	09/12/11 13:09	20
2,4-D	0.0040	U	0.0040	0.00045	mg/L		09/07/11 18:00	09/12/11 13:09	20
2,4-DB	0.0040	U	0.0040	0.00046	mg/L		09/07/11 18:00	09/12/11 13:09	20
Dalapon	0.0050	U	0.0050	0.00069	mg/L		09/07/11 18:00	09/12/11 13:09	20
Dicamba	0.0020	U	0.0020	0.00026	mg/L		09/07/11 18:00	09/12/11 13:09	20
Dichlorprop	0.0040	U	0.0040	0.00054	mg/L		09/07/11 18:00	09/12/11 13:09	20
Dinoseb	0.00090	U	0.00090	0.00013	mg/L		09/07/11 18:00	09/12/11 13:09	20
MCPA	0.40	U	0.40	0.051	mg/L		09/07/11 18:00	09/12/11 13:09	20
MCPP	0.40	U	0.40	0.046	mg/L		09/07/11 18:00	09/12/11 13:09	20
Pentachlorophenol	0.00050	U	0.00050	0.000078	mg/L		09/07/11 18:00	09/12/11 13:09	20
Silvex (2,4,5-TP)	0.0010	U	0.0010	0.00011	mg/L		09/07/11 18:00	09/12/11 13:09	20

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*78*		*32 - 140*	*09/07/11 18:00*	*09/12/11 13:09*	*20*

Lab Sample ID: LCS 180-13216/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 13727 — **Prep Batch: 13216**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4,5-T	0.00400	0.00212		mg/L		53	32 - 140
Dalapon	0.00800	0.00468	J	mg/L		58	32 - 140
Dicamba	0.00800	0.00708		mg/L		88	32 - 140
Dinoseb	0.00240	0.00128	p	mg/L		53	10 - 140
Pentachlorophenol	0.00200	0.00204		mg/L		102	40 - 140
Silvex (2,4,5-TP)	0.00400	0.00239		mg/L		60	32 - 140

Lab Sample ID: LCS 180-13216/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 13891 — **Prep Batch: 13216**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-D	0.0160	0.00754		mg/L		47	32 - 140
2,4-DB	0.0160	0.0124		mg/L		78	30 - 140
Dichlorprop	0.0160	0.00978		mg/L		61	32 - 140
MCPA	1.60	0.956		mg/L		60	32 - 140
MCPP	1.60	1.05		mg/L		65	32 - 140

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*78*		*32 - 140*

QC Association Summary

Client: TestAmerica Laboratories, Inc
Project/Site: AECOM Inc Long Beach

TestAmerica Job ID: 180-3631-1

GC Semi VOA

Prep Batch: 13057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-1	IUI0197-01	Total/NA	Solid	8151A	
LCS 180-13057/2-A	Lab Control Sample	Total/NA	Solid	8151A	
MB 180-13057/1-A	Method Blank	Total/NA	Solid	8151A	

Prep Batch: 13216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-2	IUI0197-02	Total/NA	Water	8151A	
LCS 180-13216/2-A	Lab Control Sample	Total/NA	Water	8151A	
MB 180-13216/1-A	Method Blank	Total/NA	Water	8151A	

Analysis Batch: 13727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-2	IUI0197-02	Total/NA	Water	8151A	13216
LCS 180-13216/2-A	Lab Control Sample	Total/NA	Water	8151A	13216

Analysis Batch: 13862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-1	IUI0197-01	Total/NA	Solid	8151A	13057
LCS 180-13057/2-A	Lab Control Sample	Total/NA	Solid	8151A	13057
MB 180-13057/1-A	Method Blank	Total/NA	Solid	8151A	13057

Analysis Batch: 13863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-1	IUI0197-01	Total/NA	Solid	8151A	13057
LCS 180-13057/2-A	Lab Control Sample	Total/NA	Solid	8151A	13057
MB 180-13057/1-A	Method Blank	Total/NA	Solid	8151A	13057

Analysis Batch: 13891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-2	IUI0197-02	Total/NA	Water	8151A	13216
LCS 180-13216/2-A	Lab Control Sample	Total/NA	Water	8151A	13216
MB 180-13216/1-A	Method Blank	Total/NA	Water	8151A	13216

General Chemistry

Analysis Batch: 13295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3631-1	IUI0197-01	Total/NA	Solid	Moisture	

Subcontract Order - TestAmerica Irvine (IUI0197)

Please enter the following code into the Job PO Number field for automated UDZ transfer files: **Sub IRV IUI0197**

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica Irvine	TestAmerica Pittsburgh
17461 Derian Avenue, Suite 100	301 Alpha Drive
Irvine, CA 92614	Pittsburgh, PA 15238
Phone: (949) 261-1022	Phone :(412) 963-7058
Fax: (949) 260-3297	Fax: (412) 963-2468
Project Manager: Amy Harris	Project Location: Nevada
Client: AECOM Inc - Long Beach	Receipt Temperature: _____ °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: IUI0197-01 (IDW082811 - Soil)			Sampled: **08/28/11 11:00**			
8151A (Herbicides)-OUT	mg/kg	09/13/11	09/11/11 11:00	$150.00	0%	J flag, mult dilutions
Containers Supplied:						
8 oz Jar (C)						
Sample ID: IUI0197-02 (IDW083111 - Water)			Sampled: **08/31/11 15:30**			
8151A (Herbicides)-OUT	ug/l	09/13/11	09/07/11 15:30	$150.00	0%	J flag, mult dilutions
Containers Supplied:						
1 L Amber (H) 1 L Amber (I)						

Released By	Date/Time	Received By	Date/Time
Olga Omeles			9/3/11 1100

RT 639
638

FZ

ORIGIN ID: APVA (949) 261-1022
TESTAMERICA-IRVINE/SAMPLE CONTROL
TESTAMERICA ANALYTICAL
17461 DERIAN AVE
SUITE 100
IRVINE, CA 92614
UNITED STATES US

DATE: 02SEP11
WGT: 55.1 LB
CAD: 616730/CAFE2500

BILL RECIPIENT

TO SAMPLE RECEIVING
TEST AMERICA PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 963-7058
DEPT: ALWAYS BILL RECIPIENT

FedEx Express

TRK# 0201 4289 2140 6407

SATURDAY ### A2
PRIORITY OVERNIGHT

XO AGCA

15238
PA-US PIT

Part # 156148-434 RIT2 02/11

09/15/2011

Login Sample Receipt Checklist

Client: TestAmerica Laboratories, Inc

Job Number: 180-3631-1

Login Number: 3631

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Blotzer, Tristan

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the 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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX G

Part 1
Level II Laboratory Reports and Chain of Custody Forms

ITK1549
ITK1710a
ITK1858
IUI0011

April 2011 Data can be found here;
2011 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities and Current Olin Facility, Henderson, Nevada, August 18.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson - SRC Water Program

Sampled: 11/15/10
Received: 11/16/10
Issued: 05/26/11 07:21

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
EPA 7199 Hex Cr analysis was done outside of hold time for sample EB111510 (ITK1549-02) due to laboratory oversight.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: WATER, 6850, Perchlorate
Samples: 1, 2

Per method guidelines, a laboratory control sample (LCS) and a synthetic matrix check sample (SMCS) have been analyzed with this analytical batch. Each set of data is reported as an LCS with the following work order numbers assigned:
LCS: MAWRT1AA
SMCS: MAWRT1AD

WATER, 1668, PCB's - Custom List
Samples: 1, 2

Some analytes in these samples and the associated method blank have an ion abundance ratio that is outside of criteria. The analytes are considered as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio. Analytical results are reported with a "Q" flag.

There are no other anomalies associated with this project.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program

Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

ADDITIONAL INFORMATION: This is an amended report to add reporting limit qualifiers to Phosphorous analysis. Concentration did not change.

LABORATORY ID	CLIENT ID	MATRIX
ITK1549-01	TB111510	Water
ITK1549-02	EB111510	Water
ITK1549-03	MC-MW-36	Water

Reviewed By:

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*73 %*				
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*75 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3443	0.30	0.50	ND	1	11/29/10	11/29/10	
Methanol	EPA 8015B	10K3443	0.30	0.50	ND	1	11/29/10	11/29/10	
Surrogate: 1-Pentanol (70-130%)					*114 %*				
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3443	0.30	0.50	ND	1	11/29/10	11/29/10	
Methanol	EPA 8015B	10K3443	0.30	0.50	ND	1	11/29/10	11/29/10	
Surrogate: 1-Pentanol (70-130%)					*121 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K3166	25	50	ND	1	11/24/10	11/25/10	
Surrogate: 4-BFB (FID) (65-140%)					*67 %*				
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K3166	25	50	ND	1	11/24/10	11/25/10	
Surrogate: 4-BFB (FID) (65-140%)					*73 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-01 (TB111510 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K1907	4.5	10	ND	1	11/16/10	11/16/10	
Benzene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
Bromobenzene	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
Bromochloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromodichloromethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Bromoform	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromomethane	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
2-Butanone (MEK)	EPA 8260B	10K1907	4.7	10	ND	1	11/16/10	11/16/10	
n-Butylbenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
sec-Butylbenzene	EPA 8260B	10K1907	0.25	5.0	ND	1	11/16/10	11/16/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
tert-Butylbenzene	EPA 8260B	10K1907	0.22	5.0	ND	1	11/16/10	11/16/10	
Carbon Disulfide	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
Carbon tetrachloride	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
2,2,3-Trimethylbutane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chlorobenzene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
2,2-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
2,4-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroform	EPA 8260B	10K1907	0.33	2.0	ND	1	11/16/10	11/16/10	
Chloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2-Chlorotoluene	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
4-Chlorotoluene	EPA 8260B	10K1907	0.29	5.0	ND	1	11/16/10	11/16/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K1907	0.97	5.0	ND	1	11/16/10	11/16/10	
2-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromochloromethane	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
3-Ethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromomethane	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2-Dichlorobenzene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichlorobenzene	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,4-Dichlorobenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
Dichlorodifluoromethane	EPA 8260B	10K1907	0.26	5.0	ND	1	11/16/10	11/16/10	
1,1-Dichloroethane	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
1,2-Dichloroethane	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
1,1-Dichloroethene	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
cis-1,2-Dichloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
trans-1,2-Dichloroethene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-01 (TB111510 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichloropropane	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
2,2-Dichloropropane	EPA 8260B	10K1907	0.34	2.0	ND	1	11/16/10	11/16/10	
cis-1,3-Dichloropropene	EPA 8260B	10K1907	0.22	2.0	ND	1	11/16/10	11/16/10	
trans-1,3-Dichloropropene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,1-Dichloropropene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
Dimethyl disulfide	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Ethylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
Hexachlorobutadiene	EPA 8260B	10K1907	0.38	5.0	ND	1	11/16/10	11/16/10	
2-Hexanone	EPA 8260B	10K1907	2.6	10	ND	1	11/16/10	11/16/10	
n-Heptane	EPA 8260B	10K1907	0.50	5.0	ND	1	11/16/10	11/16/10	
Nonanal	EPA 8260B	10K1907	1.5	5.0	ND	1	11/16/10	11/16/10	
Isopropylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
p-Isopropyltoluene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K1907	3.5	10	ND	1	11/16/10	11/16/10	
Methylene chloride	EPA 8260B	10K1907	0.95	5.0	ND	1	11/16/10	11/16/10	
Naphthalene	EPA 8260B	10K1907	0.41	5.0	ND	1	11/16/10	11/16/10	
n-Propylbenzene	EPA 8260B	10K1907	0.27	2.0	ND	1	11/16/10	11/16/10	
Styrene	EPA 8260B	10K1907	0.20	2.0	ND	1	11/16/10	11/16/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Tetrachloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
Toluene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K1907	0.30	5.0	ND	1	11/16/10	11/16/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
1,1,1-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
1,1,2-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Trichloroethene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Trichlorofluoromethane	EPA 8260B	10K1907	0.34	5.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichloropropane	EPA 8260B	10K1907	0.40	10	ND	1	11/16/10	11/16/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K1907	0.23	2.0	ND	1	11/16/10	11/16/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Vinyl chloride	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
m,p-Xylenes	EPA 8260B	10K1907	0.60	2.0	ND	1	11/16/10	11/16/10	
o-Xylene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*95 %*				
Surrogate: Dibromofluoromethane (80-120%)					*92 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K1907	4.5	10	ND	1	11/16/10	11/16/10	
Benzene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
Bromobenzene	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
Bromochloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromodichloromethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Bromoform	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromomethane	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
2-Butanone (MEK)	EPA 8260B	10K1907	4.7	10	ND	1	11/16/10	11/16/10	
n-Butylbenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
sec-Butylbenzene	EPA 8260B	10K1907	0.25	5.0	ND	1	11/16/10	11/16/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
tert-Butylbenzene	EPA 8260B	10K1907	0.22	5.0	ND	1	11/16/10	11/16/10	
Carbon Disulfide	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
Carbon tetrachloride	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
2,2,3-Trimethylbutane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chlorobenzene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
2,2-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
2,4-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroform	EPA 8260B	10K1907	0.33	2.0	ND	1	11/16/10	11/16/10	
Chloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2-Chlorotoluene	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
4-Chlorotoluene	EPA 8260B	10K1907	0.29	5.0	ND	1	11/16/10	11/16/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K1907	0.97	5.0	ND	1	11/16/10	11/16/10	
2-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromochloromethane	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
3-Ethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromomethane	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2-Dichlorobenzene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichlorobenzene	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,4-Dichlorobenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
Dichlorodifluoromethane	EPA 8260B	10K1907	0.26	5.0	ND	1	11/16/10	11/16/10	
1,1-Dichloroethane	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
1,2-Dichloroethane	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
1,1-Dichloroethene	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
cis-1,2-Dichloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
trans-1,2-Dichloroethene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichloropropane	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
2,2-Dichloropropane	EPA 8260B	10K1907	0.34	2.0	ND	1	11/16/10	11/16/10	
cis-1,3-Dichloropropene	EPA 8260B	10K1907	0.22	2.0	ND	1	11/16/10	11/16/10	
trans-1,3-Dichloropropene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,1-Dichloropropene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
Dimethyl disulfide	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Ethylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
Hexachlorobutadiene	EPA 8260B	10K1907	0.38	5.0	ND	1	11/16/10	11/16/10	
2-Hexanone	EPA 8260B	10K1907	2.6	10	ND	1	11/16/10	11/16/10	
n-Heptane	EPA 8260B	10K1907	0.50	5.0	ND	1	11/16/10	11/16/10	
Nonanal	EPA 8260B	10K1907	1.5	5.0	ND	1	11/16/10	11/16/10	
Isopropylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
p-Isopropyltoluene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K1907	3.5	10	ND	1	11/16/10	11/16/10	
Methylene chloride	EPA 8260B	10K1907	0.95	5.0	ND	1	11/16/10	11/16/10	
Naphthalene	EPA 8260B	10K1907	0.41	5.0	ND	1	11/16/10	11/16/10	
n-Propylbenzene	EPA 8260B	10K1907	0.27	2.0	ND	1	11/16/10	11/16/10	
Styrene	EPA 8260B	10K1907	0.20	2.0	ND	1	11/16/10	11/16/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Tetrachloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
Toluene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K1907	0.30	5.0	ND	1	11/16/10	11/16/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
1,1,1-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
1,1,2-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Trichloroethene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Trichlorofluoromethane	EPA 8260B	10K1907	0.34	5.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichloropropane	EPA 8260B	10K1907	0.40	10	ND	1	11/16/10	11/16/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K1907	0.23	2.0	ND	1	11/16/10	11/16/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Vinyl chloride	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
m,p-Xylenes	EPA 8260B	10K1907	0.60	2.0	ND	1	11/16/10	11/16/10	
o-Xylene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*94 %*				
Surrogate: Dibromofluoromethane (80-120%)					*95 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K1907	4.5	10	ND	1	11/16/10	11/16/10	
Benzene	EPA 8260B	10K1907	0.28	2.0	**0.43**	1	11/16/10	11/16/10	Ja
Bromobenzene	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
Bromochloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromodichloromethane	EPA 8260B	10K1907	0.30	2.0	**1.0**	1	11/16/10	11/16/10	Ja
Bromoform	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
Bromomethane	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
2-Butanone (MEK)	EPA 8260B	10K1907	4.7	10	ND	1	11/16/10	11/16/10	
n-Butylbenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
sec-Butylbenzene	EPA 8260B	10K1907	0.25	5.0	ND	1	11/16/10	11/16/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
tert-Butylbenzene	EPA 8260B	10K1907	0.22	5.0	ND	1	11/16/10	11/16/10	
Carbon Disulfide	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
Carbon tetrachloride	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
2,2,3-Trimethylbutane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chlorobenzene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
2,2-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
2,4-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Chloroform	EPA 8260B	10K1907	0.33	2.0	**100**	1	11/16/10	11/16/10	
Chloromethane	EPA 8260B	10K1907	0.40	5.0	ND	1	11/16/10	11/16/10	
2-Chlorotoluene	EPA 8260B	10K1907	0.28	5.0	ND	1	11/16/10	11/16/10	
4-Chlorotoluene	EPA 8260B	10K1907	0.29	5.0	ND	1	11/16/10	11/16/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K1907	0.97	5.0	ND	1	11/16/10	11/16/10	
2-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3,3-Dimethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromochloromethane	EPA 8260B	10K1907	0.40	2.0	**1.1**	1	11/16/10	11/16/10	Ja
1,2-Dibromoethane (EDB)	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
3-Ethylpentane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
3-Methylhexane	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Dibromomethane	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2-Dichlorobenzene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichlorobenzene	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,4-Dichlorobenzene	EPA 8260B	10K1907	0.37	2.0	ND	1	11/16/10	11/16/10	
Dichlorodifluoromethane	EPA 8260B	10K1907	0.26	5.0	ND	1	11/16/10	11/16/10	
1,1-Dichloroethane	EPA 8260B	10K1907	0.40	2.0	**1.9**	1	11/16/10	11/16/10	Ja
1,2-Dichloroethane	EPA 8260B	10K1907	0.28	2.0	**1.2**	1	11/16/10	11/16/10	Ja
1,1-Dichloroethene	EPA 8260B	10K1907	0.42	5.0	ND	1	11/16/10	11/16/10	
cis-1,2-Dichloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
trans-1,2-Dichloroethene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-03 (MC-MW-36 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K1907	0.35	2.0	ND	1	11/16/10	11/16/10	
1,3-Dichloropropane	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
2,2-Dichloropropane	EPA 8260B	10K1907	0.34	2.0	ND	1	11/16/10	11/16/10	
cis-1,3-Dichloropropene	EPA 8260B	10K1907	0.22	2.0	ND	1	11/16/10	11/16/10	
trans-1,3-Dichloropropene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
1,1-Dichloropropene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
Dimethyl disulfide	EPA 8260B	10K1907	0.50	2.0	ND	1	11/16/10	11/16/10	
Ethylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
Hexachlorobutadiene	EPA 8260B	10K1907	0.38	5.0	ND	1	11/16/10	11/16/10	
2-Hexanone	EPA 8260B	10K1907	2.6	10	ND	1	11/16/10	11/16/10	
n-Heptane	EPA 8260B	10K1907	0.50	5.0	ND	1	11/16/10	11/16/10	
Nonanal	EPA 8260B	10K1907	1.5	5.0	ND	1	11/16/10	11/16/10	
Isopropylbenzene	EPA 8260B	10K1907	0.25	2.0	ND	1	11/16/10	11/16/10	
p-Isopropyltoluene	EPA 8260B	10K1907	0.28	2.0	ND	1	11/16/10	11/16/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K1907	3.5	10	ND	1	11/16/10	11/16/10	
Methylene chloride	EPA 8260B	10K1907	0.95	5.0	**7.6**	1	11/16/10	11/16/10	
Naphthalene	EPA 8260B	10K1907	0.41	5.0	ND	1	11/16/10	11/16/10	
n-Propylbenzene	EPA 8260B	10K1907	0.27	2.0	ND	1	11/16/10	11/16/10	
Styrene	EPA 8260B	10K1907	0.20	2.0	ND	1	11/16/10	11/16/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K1907	0.27	5.0	ND	1	11/16/10	11/16/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Tetrachloroethene	EPA 8260B	10K1907	0.32	2.0	ND	1	11/16/10	11/16/10	
Toluene	EPA 8260B	10K1907	0.36	2.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K1907	0.30	5.0	ND	1	11/16/10	11/16/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K1907	0.48	5.0	ND	1	11/16/10	11/16/10	
1,1,1-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
1,1,2-Trichloroethane	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Trichloroethene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Trichlorofluoromethane	EPA 8260B	10K1907	0.34	5.0	ND	1	11/16/10	11/16/10	
1,2,3-Trichloropropane	EPA 8260B	10K1907	0.40	10	ND	1	11/16/10	11/16/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K1907	0.23	2.0	ND	1	11/16/10	11/16/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K1907	0.26	2.0	ND	1	11/16/10	11/16/10	
Vinyl chloride	EPA 8260B	10K1907	0.40	2.0	ND	1	11/16/10	11/16/10	
m,p-Xylenes	EPA 8260B	10K1907	0.60	2.0	ND	1	11/16/10	11/16/10	
o-Xylene	EPA 8260B	10K1907	0.30	2.0	ND	1	11/16/10	11/16/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K1907	0.32	5.0	ND	1	11/16/10	11/16/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*93 %*				
Surrogate: Dibromofluoromethane (80-120%)					*97 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-01 (TB111510 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K1907	N/A	120	ND	1	11/16/10	11/16/10	
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K1907	N/A	120	ND	1	11/16/10	11/16/10	
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K1907	N/A	120	ND	1	11/16/10	11/16/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02RE1 (EB111510 - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0029	0.0097	ND	0.972	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0029	0.049	ND	0.972	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*104 %*				
Sample ID: ITK1549-03RE1 (MC-MW-36 - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0030	0.0098	ND	0.984	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0030	0.049	ND	0.984	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*100 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/19/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/19/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/19/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/19/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/19/10	
Surrogate: Decachlorobiphenyl (45-120%)					*82 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*77 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/19/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/19/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/19/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/19/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/19/10	
Surrogate: Decachlorobiphenyl (45-120%)					*87 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*65 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									**C**
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*73 %*				
Sample ID: ITK1549-03 (MC-MW-36 - Water)									**C**
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*83 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

DISSOLVED INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K1881	0.00025	0.0020	ND	1	11/16/10	11/16/10	H
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K1881	0.00025	0.0020	**0.00077**	1	11/16/10	11/16/10	Ja

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Total Cyanide	EPA 9014	10K2201	0.017	0.025	ND	1	11/17/10	11/17/10	
Fluoride	EPA 9056	10K1921	0.15	0.50	ND	1	11/16/10	11/17/10	
Nitrate-N	EPA 9056	10K1921	0.060	0.11	ND	1	11/16/10	11/17/10	
Nitrite-N	EPA 9056	10K1921	0.090	0.15	ND	1	11/16/10	11/17/10	
Phosphorus	EPA 365.3	10K3556	0.040	0.10	ND	2	11/30/10	11/30/10	
Sulfate	EPA 9056	10K1921	0.20	0.50	ND	1	11/16/10	11/17/10	
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: mg/l									
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Total Cyanide	EPA 9014	10K2201	0.017	0.025	ND	1	11/17/10	11/17/10	
Fluoride	EPA 9056	10K1921	0.30	1.0	**1.3**	2	11/16/10	11/16/10	
Nitrate-N	EPA 9056	10K1921	0.12	0.22	ND	2	11/16/10	11/16/10	RL1
Nitrite-N	EPA 9056	10K1921	4.5	7.5	ND	50	11/16/10	11/17/10	RL1
Phosphorus	EPA 365.3	10K3556	0.040	0.10	ND	2	11/30/10	11/30/10	RL1
Sulfate	EPA 9056	10K1921	10	25	**260**	50	11/16/10	11/17/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	327484	0.00081	0.2	**0.0019**	1	11/23/10	12/15/10	Ca, J
PCB 105 (BZ)	EPA-14 1668	327484	0.0018	0.02	**0.0024**	1	11/23/10	12/15/10	Ca, J, Q
PCB 11 (BZ)	EPA-14 1668	327484	0.0018	0.2	**0.025**	1	11/23/10	12/15/10	J, B
PCB 114 (BZ)	EPA-14 1668	327484	0.0018	0.02	ND	1	11/23/10	12/15/10	
PCB 118 (BZ)	EPA-14 1668	327484	0.0019	0.02	**0.0034**	1	11/23/10	12/15/10	Ca, J, Q, B
PCB 12 (BZ)	EPA-14 1668	327484	0.0018	0.2	**0.0083**	1	11/23/10	12/15/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	327484	0.0018	0.02	ND	1	11/23/10	12/15/10	
PCB 126 (BZ)	EPA-14 1668	327484	0.0018	0.02	**0.0036**	1	11/23/10	12/15/10	J
PCB 13 (BZ)	EPA-14 1668	327484	0.0018	0.2	**0.0083**	1	11/23/10	12/15/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	327484	0.0017	0.2	ND	1	11/23/10	12/15/10	
PCB 15 (BZ)	EPA-14 1668	327484	0.00081	0.2	**0.002**	1	11/23/10	12/15/10	J
PCB 156 (BZ)	EPA-14 1668	327484	0.002	0.02	ND	1	11/23/10	12/15/10	
PCB 157 (BZ)	EPA-14 1668	327484	0.0018	0.02	ND	1	11/23/10	12/15/10	
PCB 167 (BZ)	EPA-14 1668	327484	0.0022	0.02	ND	1	11/23/10	12/15/10	
PCB 169 (BZ)	EPA-14 1668	327484	0.0019	0.02	ND	1	11/23/10	12/15/10	
PCB 189 (BZ)	EPA-14 1668	327484	0.0024	0.02	ND	1	11/23/10	12/15/10	
PCB 4 (BZ)	EPA-14 1668	327484	0.00081	0.2	**0.0019**	1	11/23/10	12/15/10	Ca, J
PCB 5 (BZ)	EPA-14 1668	327484	0.0008	0.2	**0.0044**	1	11/23/10	12/15/10	Ca, J
PCB 6 (BZ)	EPA-14 1668	327484	0.0017	0.2	ND	1	11/23/10	12/15/10	
PCB 7 (BZ)	EPA-14 1668	327484	0.0017	0.2	ND	1	11/23/10	12/15/10	
PCB 77 (BZ)	EPA-14 1668	327484	0.002	0.02	ND	1	11/23/10	12/15/10	
PCB 8 (BZ)	EPA-14 1668	327484	0.0008	0.2	**0.0044**	1	11/23/10	12/15/10	Ca, J
PCB 81 (BZ)	EPA-14 1668	327484	0.0019	0.02	ND	1	11/23/10	12/15/10	
PCB 9 (BZ)	EPA-14 1668	327484	0.0017	0.2	ND	1	11/23/10	12/15/10	
Surrogate: 13C12-PCB 105 (25-150%)					*83 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*75 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*73 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*91 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*64 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*84 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*94 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*80 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*101 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*95 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*75 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*72 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	327484	0.00062	0.2	**0.0073**	1	11/23/10	12/16/10	Ca, J
PCB 105 (BZ)	EPA-14 1668	327484	0.0014	0.02	**0.024**	1	11/23/10	12/16/10	Ca, J
PCB 11 (BZ)	EPA-14 1668	327484	0.0014	0.2	**0.096**	1	11/23/10	12/16/10	J, B
PCB 114 (BZ)	EPA-14 1668	327484	0.0013	0.02	ND	1	11/23/10	12/16/10	
PCB 118 (BZ)	EPA-14 1668	327484	0.0013	0.02	**0.055**	1	11/23/10	12/16/10	Ca, J, B
PCB 12 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.0056**	1	11/23/10	12/16/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	327484	0.0022	0.02	ND	1	11/23/10	12/16/10	
PCB 126 (BZ)	EPA-14 1668	327484	0.0014	0.02	ND	1	11/23/10	12/16/10	
PCB 13 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.0056**	1	11/23/10	12/16/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	327484	0.0013	0.2	ND	1	11/23/10	12/16/10	
PCB 15 (BZ)	EPA-14 1668	327484	0.00061	0.2	**0.0023**	1	11/23/10	12/16/10	J
PCB 156 (BZ)	EPA-14 1668	327484	0.0013	0.02	**0.0044**	1	11/23/10	12/16/10	J, Q
PCB 157 (BZ)	EPA-14 1668	327484	0.0012	0.02	ND	1	11/23/10	12/16/10	
PCB 167 (BZ)	EPA-14 1668	327484	0.0013	0.02	ND	1	11/23/10	12/16/10	
PCB 169 (BZ)	EPA-14 1668	327484	0.0012	0.02	ND	1	11/23/10	12/16/10	
PCB 189 (BZ)	EPA-14 1668	327484	0.00085	0.02	ND	1	11/23/10	12/16/10	
PCB 4 (BZ)	EPA-14 1668	327484	0.00062	0.2	**0.0073**	1	11/23/10	12/16/10	Ca, J
PCB 5 (BZ)	EPA-14 1668	327484	0.00061	0.2	**0.009**	1	11/23/10	12/16/10	Ca, J
PCB 6 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.015**	1	11/23/10	12/16/10	J
PCB 7 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.016**	1	11/23/10	12/16/10	Ca, J
PCB 77 (BZ)	EPA-14 1668	327484	0.0017	0.02	ND	1	11/23/10	12/16/10	
PCB 8 (BZ)	EPA-14 1668	327484	0.00061	0.2	**0.009**	1	11/23/10	12/16/10	Ca, J
PCB 81 (BZ)	EPA-14 1668	327484	0.0012	0.02	ND	1	11/23/10	12/16/10	
PCB 9 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.016**	1	11/23/10	12/16/10	Ca, J
Surrogate: 13C12-PCB 105 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*87 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*85 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*102 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*73 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*92 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*91 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*87 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*106 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*107 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*85 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*81 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

SW846 6850-DISSx

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	0.082	0.5	**0.09**	1	12/06/10	12/10/10	J
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	0.82	5	**54**	10	12/06/10	12/10/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

Anions by EPA Method 300.0/300.1/326

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1549-02 (EB111510 - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0013	2.7	10	ND	1	12/01/10	12/01/10	
Sample ID: ITK1549-03 (MC-MW-36 - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0013	13	50	**300**	5	12/01/10	12/01/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program

Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: EB111510 (ITK1549-02) - Water					
EPA 7199	1	11/15/2010 11:45	11/16/2010 10:20	11/16/2010 13:40	11/16/2010 14:12
EPA 9056	2	11/15/2010 11:45	11/16/2010 10:20	11/16/2010 16:00	11/17/2010 02:51
Sample ID: MC-MW-36 (ITK1549-03) - Water					
EPA 7199	1	11/15/2010 14:45	11/16/2010 10:20	11/16/2010 13:40	11/16/2010 14:02
EPA 9056	2	11/15/2010 14:45	11/16/2010 10:20	11/16/2010 16:00	11/16/2010 17:02

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2583 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2583-BLK1)											
DRO (C10-C24)	ND	0.50	0.10	mg/l							
ORO (C25-C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C28)	ND	0.50	0.10	mg/l							
Surrogate: n-Octacosane	*0.149*			*mg/l*	*0.200*		*74*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2583-BS1)											
EFH (C10 - C28)	0.665	0.50	0.10	mg/l	1.00		66	40-115			
Surrogate: n-Octacosane	*0.153*			*mg/l*	*0.200*		*76*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2583-MS1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.625	0.48	0.095	mg/l	0.952	ND	66	40-120			
Surrogate: n-Octacosane	*0.142*			*mg/l*	*0.190*		*74*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2583-MSD1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.552	0.47	0.094	mg/l	0.943	ND	58	40-120	13	30	
Surrogate: n-Octacosane	*0.125*			*mg/l*	*0.189*		*66*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3443 Extracted: 11/29/10											
Blank Analyzed: 11/29/2010 (10K3443-BLK1)											
Ethanol	ND	0.50	0.30	mg/l							
Methanol	ND	0.50	0.30	mg/l							
Surrogate: 1-Pentanol	*11.5*			*mg/l*	*10.0*		*115*	*70-130*			
LCS Analyzed: 11/29/2010 (10K3443-BS1)											
Ethanol	10.1	0.50	0.30	mg/l	10.0		101	80-120			
Methanol	9.57	0.50	0.30	mg/l	10.0		96	70-120			
Surrogate: 1-Pentanol	*11.7*			*mg/l*	*10.0*		*117*	*70-130*			
Matrix Spike Analyzed: 11/29/2010 (10K3443-MS1)						**Source: ITK2421-02**					
Ethanol	10.2	0.50	0.30	mg/l	10.0	ND	102	70-130			
Methanol	9.76	0.50	0.30	mg/l	10.0	ND	98	70-130			
Surrogate: 1-Pentanol	*11.6*			*mg/l*	*10.0*		*116*	*70-130*			
Matrix Spike Dup Analyzed: 11/29/2010 (10K3443-MSD1)						**Source: ITK2421-02**					
Ethanol	9.97	0.50	0.30	mg/l	10.0	ND	100	70-130	2	25	
Methanol	9.69	0.50	0.30	mg/l	10.0	ND	97	70-130	0.7	25	
Surrogate: 1-Pentanol	*12.3*			*mg/l*	*10.0*		*123*	*70-130*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3166 Extracted: 11/24/10											
Blank Analyzed: 11/24/2010 (10K3166-BLK1)											
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	25	ug/l							
Surrogate: 4-BFB (FID)	*10.2*			*ug/l*	*10.0*		*102*	*65-140*			
LCS Analyzed: 11/24/2010 (10K3166-BS1)											
Volatile Fuel Hydrocarbons (C6-C12)	833	50	25	ug/l	800		104	80-120			
Surrogate: 4-BFB (FID)	*13.8*			*ug/l*	*10.0*		*138*	*65-140*			
Matrix Spike Analyzed: 11/24/2010 (10K3166-MS1)					**Source: ITK1944-04**						
Volatile Fuel Hydrocarbons (C6-C12)	206	50	25	ug/l	220	ND	94	65-140			
Surrogate: 4-BFB (FID)	*7.47*			*ug/l*	*10.0*		*75*	*65-140*			
Matrix Spike Dup Analyzed: 11/24/2010 (10K3166-MSD1)					**Source: ITK1944-04**						
Volatile Fuel Hydrocarbons (C6-C12)	188	50	25	ug/l	220	ND	85	65-140	10	20	
Surrogate: 4-BFB (FID)	*7.97*			*ug/l*	*10.0*		*80*	*65-140*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1907-BLK1)											
Acetone	ND	10	4.5	ug/l							
Benzene	ND	2.0	0.28	ug/l							
Bromobenzene	ND	5.0	0.27	ug/l							
Bromochloromethane	ND	5.0	0.40	ug/l							
Bromodichloromethane	ND	2.0	0.30	ug/l							
Bromoform	ND	5.0	0.40	ug/l							
Bromomethane	ND	5.0	0.42	ug/l							
2-Butanone (MEK)	ND	10	4.7	ug/l							
n-Butylbenzene	ND	2.0	0.37	ug/l							
sec-Butylbenzene	ND	5.0	0.25	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	0.50	ug/l							
tert-Butylbenzene	ND	5.0	0.22	ug/l							
Carbon Disulfide	ND	5.0	0.48	ug/l							
Carbon tetrachloride	ND	5.0	0.28	ug/l							
2,2,3-Trimethylbutane	ND	2.0	0.50	ug/l							
Chlorobenzene	ND	2.0	0.36	ug/l							
2,2-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroethane	ND	5.0	0.40	ug/l							
2,3-Dimethylpentane	ND	2.0	0.50	ug/l							
2,4-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroform	ND	2.0	0.33	ug/l							
Chloromethane	ND	5.0	0.40	ug/l							
2-Chlorotoluene	ND	5.0	0.28	ug/l							
4-Chlorotoluene	ND	5.0	0.29	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	0.97	ug/l							
2-Methylhexane	ND	2.0	0.50	ug/l							
3,3-Dimethylpentane	ND	2.0	0.50	ug/l							
Dibromochloromethane	ND	2.0	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	0.40	ug/l							
3-Ethylpentane	ND	2.0	0.50	ug/l							
3-Methylhexane	ND	2.0	0.50	ug/l							
Dibromomethane	ND	2.0	0.36	ug/l							
1,2-Dichlorobenzene	ND	2.0	0.32	ug/l							
1,3-Dichlorobenzene	ND	2.0	0.35	ug/l							
1,4-Dichlorobenzene	ND	2.0	0.37	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1907-BLK1)											
Dichlorodifluoromethane	ND	5.0	0.26	ug/l							
1,1-Dichloroethane	ND	2.0	0.40	ug/l							
1,2-Dichloroethane	ND	2.0	0.28	ug/l							
1,1-Dichloroethene	ND	5.0	0.42	ug/l							
cis-1,2-Dichloroethene	ND	2.0	0.32	ug/l							
trans-1,2-Dichloroethene	ND	2.0	0.30	ug/l							
1,2-Dichloropropane	ND	2.0	0.35	ug/l							
1,3-Dichloropropane	ND	5.0	0.32	ug/l							
2,2-Dichloropropane	ND	2.0	0.34	ug/l							
cis-1,3-Dichloropropene	ND	2.0	0.22	ug/l							
trans-1,3-Dichloropropene	ND	2.0	0.32	ug/l							
1,1-Dichloropropene	ND	2.0	0.28	ug/l							
Dimethyl disulfide	ND	2.0	0.50	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Hexachlorobutadiene	ND	5.0	0.38	ug/l							
2-Hexanone	ND	10	2.6	ug/l							
n-Heptane	ND	5.0	0.50	ug/l							
Nonanal	1.55	5.0	1.5	ug/l							*Ja*
Isopropylbenzene	ND	2.0	0.25	ug/l							
p-Isopropyltoluene	ND	2.0	0.28	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	3.5	ug/l							
Methylene chloride	ND	5.0	0.95	ug/l							
Naphthalene	ND	5.0	0.41	ug/l							
n-Propylbenzene	ND	2.0	0.27	ug/l							
Styrene	ND	2.0	0.20	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	0.27	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/l							
Tetrachloroethene	ND	2.0	0.32	ug/l							
Toluene	ND	2.0	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	0.48	ug/l							
1,1,1-Trichloroethane	ND	2.0	0.30	ug/l							
1,1,2-Trichloroethane	ND	2.0	0.30	ug/l							
Trichloroethene	ND	2.0	0.26	ug/l							
Trichlorofluoromethane	ND	5.0	0.34	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1907-BLK1)											
1,2,3-Trichloropropane	ND	10	0.40	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	0.23	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	0.26	ug/l							
Vinyl chloride	ND	2.0	0.40	ug/l							
m,p-Xylenes	ND	2.0	0.60	ug/l							
o-Xylene	ND	2.0	0.30	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.5*			*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 11/16/2010 (10K1907-BS1)											
Acetone	11.4	10	4.5	ug/l	25.0		46	30-140			
Benzene	22.8	2.0	0.28	ug/l	25.0		91	70-120			
Bromobenzene	21.0	5.0	0.27	ug/l	25.0		84	75-120			
Bromochloromethane	22.2	5.0	0.40	ug/l	25.0		89	70-130			
Bromodichloromethane	24.8	2.0	0.30	ug/l	25.0		99	70-135			
Bromoform	23.4	5.0	0.40	ug/l	25.0		93	55-130			
Bromomethane	30.5	5.0	0.42	ug/l	25.0		122	65-140			
2-Butanone (MEK)	18.4	10	4.7	ug/l	25.0		73	40-140			
n-Butylbenzene	22.6	2.0	0.37	ug/l	25.0		91	70-130			
sec-Butylbenzene	22.3	5.0	0.25	ug/l	25.0		89	70-125			
tert-Butylbenzene	22.0	5.0	0.22	ug/l	25.0		88	70-125			
Carbon Disulfide	26.4	5.0	0.48	ug/l	25.0		106	50-130			
Carbon tetrachloride	22.8	5.0	0.28	ug/l	25.0		91	65-140			
Chlorobenzene	22.3	2.0	0.36	ug/l	25.0		89	75-120			
Chloroethane	24.7	5.0	0.40	ug/l	25.0		99	60-140			
Chloroform	22.3	2.0	0.33	ug/l	25.0		89	70-130			
Chloromethane	28.7	5.0	0.40	ug/l	25.0		115	50-140			
2-Chlorotoluene	21.4	5.0	0.28	ug/l	25.0		86	70-125			
4-Chlorotoluene	21.7	5.0	0.29	ug/l	25.0		87	75-125			
1,2-Dibromo-3-chloropropane	18.1	5.0	0.97	ug/l	25.0		72	50-135			
Dibromochloromethane	19.2	2.0	0.40	ug/l	25.0		77	70-140			
1,2-Dibromoethane (EDB)	21.9	2.0	0.40	ug/l	25.0		88	75-125			
Dibromomethane	22.6	2.0	0.36	ug/l	25.0		91	70-125			
1,2-Dichlorobenzene	21.9	2.0	0.32	ug/l	25.0		88	75-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
LCS Analyzed: 11/16/2010 (10K1907-BS1)											
1,3-Dichlorobenzene	22.2	2.0	0.35	ug/l	25.0		89	75-120			
1,4-Dichlorobenzene	22.3	2.0	0.37	ug/l	25.0		89	75-120			
Dichlorodifluoromethane	28.2	5.0	0.26	ug/l	25.0		113	35-155			
1,1-Dichloroethane	24.8	2.0	0.40	ug/l	25.0		99	70-125			
1,2-Dichloroethane	21.6	2.0	0.28	ug/l	25.0		87	60-140			
1,1-Dichloroethene	22.4	5.0	0.42	ug/l	25.0		90	70-125			
cis-1,2-Dichloroethene	23.5	2.0	0.32	ug/l	25.0		94	70-125			
trans-1,2-Dichloroethene	23.0	2.0	0.30	ug/l	25.0		92	70-125			
1,2-Dichloropropane	25.1	2.0	0.35	ug/l	25.0		100	70-125			
1,3-Dichloropropane	22.9	5.0	0.32	ug/l	25.0		92	70-120			
2,2-Dichloropropane	23.8	2.0	0.34	ug/l	25.0		95	65-140			
cis-1,3-Dichloropropene	24.6	2.0	0.22	ug/l	25.0		98	75-125			
trans-1,3-Dichloropropene	26.1	2.0	0.32	ug/l	25.0		104	70-125			
1,1-Dichloropropene	23.0	2.0	0.28	ug/l	25.0		92	75-130			
Ethylbenzene	22.1	2.0	0.25	ug/l	25.0		89	75-125			
Hexachlorobutadiene	22.6	5.0	0.38	ug/l	25.0		91	65-135			
2-Hexanone	18.4	10	2.6	ug/l	25.0		73	45-140			
Isopropylbenzene	21.3	2.0	0.25	ug/l	25.0		85	75-130			
p-Isopropyltoluene	23.1	2.0	0.28	ug/l	25.0		92	75-125			
4-Methyl-2-pentanone (MIBK)	21.8	10	3.5	ug/l	25.0		87	45-140			
Methylene chloride	21.2	5.0	0.95	ug/l	25.0		85	55-130			
Naphthalene	20.8	5.0	0.41	ug/l	25.0		83	55-135			
n-Propylbenzene	21.4	2.0	0.27	ug/l	25.0		86	75-130			
Styrene	24.5	2.0	0.20	ug/l	25.0		98	75-130			
1,1,1,2-Tetrachloroethane	20.4	5.0	0.27	ug/l	25.0		82	70-130			
1,1,2,2-Tetrachloroethane	23.6	2.0	0.30	ug/l	25.0		95	55-130			
Tetrachloroethene	21.1	2.0	0.32	ug/l	25.0		85	70-125			
Toluene	21.1	2.0	0.36	ug/l	25.0		84	70-120			
1,2,3-Trichlorobenzene	22.2	5.0	0.30	ug/l	25.0		89	65-125			
1,2,4-Trichlorobenzene	22.9	5.0	0.48	ug/l	25.0		91	70-135			
1,1,1-Trichloroethane	23.2	2.0	0.30	ug/l	25.0		93	65-135			
1,1,2-Trichloroethane	22.8	2.0	0.30	ug/l	25.0		91	70-125			
Trichloroethene	21.8	2.0	0.26	ug/l	25.0		87	70-125			
Trichlorofluoromethane	25.4	5.0	0.34	ug/l	25.0		101	65-145			
1,2,3-Trichloropropane	21.1	10	0.40	ug/l	25.0		84	60-130			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
LCS Analyzed: 11/16/2010 (10K1907-BS1)											
1,2,4-Trimethylbenzene	22.8	2.0	0.23	ug/l	25.0		91	75-125			
1,3,5-Trimethylbenzene	22.9	2.0	0.26	ug/l	25.0		92	75-125			
Vinyl chloride	31.9	2.0	0.40	ug/l	25.0		128	55-135			
m,p-Xylenes	46.6	2.0	0.60	ug/l	50.0		93	75-125			
o-Xylene	22.7	2.0	0.30	ug/l	25.0		91	75-125			
Methyl-tert-butyl Ether (MTBE)	21.8	5.0	0.32	ug/l	25.0		87	60-135			
Surrogate: 4-Bromofluorobenzene	*24.6*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.4*			*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Analyzed: 11/16/2010 (10K1907-MS1)						**Source: ITK1028-04**					
Acetone	12.9	10	4.5	ug/l	25.0	ND	52	20-150			
Benzene	27.0	2.0	0.28	ug/l	25.0	ND	108	65-125			
Bromobenzene	25.1	5.0	0.27	ug/l	25.0	ND	101	70-125			
Bromochloromethane	26.4	5.0	0.40	ug/l	25.0	ND	106	65-135			
Bromodichloromethane	29.5	2.0	0.30	ug/l	25.0	ND	118	70-135			
Bromoform	27.4	5.0	0.40	ug/l	25.0	ND	110	55-135			
Bromomethane	35.6	5.0	0.42	ug/l	25.0	ND	142	55-145			
2-Butanone (MEK)	20.4	10	4.7	ug/l	25.0	ND	81	30-145			
n-Butylbenzene	26.7	2.0	0.37	ug/l	25.0	ND	107	65-135			
sec-Butylbenzene	26.2	5.0	0.25	ug/l	25.0	ND	105	70-125			
tert-Butylbenzene	26.1	5.0	0.22	ug/l	25.0	ND	104	65-130			
Carbon Disulfide	28.0	5.0	0.48	ug/l	25.0	ND	112	40-140			
Carbon tetrachloride	27.2	5.0	0.28	ug/l	25.0	ND	109	65-140			
Chlorobenzene	26.5	2.0	0.36	ug/l	25.0	ND	106	75-125			
Chloroethane	28.0	5.0	0.40	ug/l	25.0	ND	112	55-140			
Chloroform	27.8	2.0	0.33	ug/l	25.0	1.62	105	65-135			
Chloromethane	32.9	5.0	0.40	ug/l	25.0	ND	132	45-145			
2-Chlorotoluene	25.5	5.0	0.28	ug/l	25.0	ND	102	65-135			
4-Chlorotoluene	25.7	5.0	0.29	ug/l	25.0	ND	103	70-135			
1,2-Dibromo-3-chloropropane	21.2	5.0	0.97	ug/l	25.0	ND	85	45-145			
Dibromochloromethane	23.0	2.0	0.40	ug/l	25.0	ND	92	65-140			
1,2-Dibromoethane (EDB)	26.0	2.0	0.40	ug/l	25.0	ND	104	70-130			
Dibromomethane	27.3	2.0	0.36	ug/l	25.0	ND	109	65-135			
1,2-Dichlorobenzene	25.8	2.0	0.32	ug/l	25.0	ND	103	75-125			
1,3-Dichlorobenzene	26.4	2.0	0.35	ug/l	25.0	ND	106	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Matrix Spike Analyzed: 11/16/2010 (10K1907-MS1)						**Source: ITK1028-04**					
1,4-Dichlorobenzene	26.4	2.0	0.37	ug/l	25.0	ND	105	75-125			
Dichlorodifluoromethane	32.5	5.0	0.26	ug/l	25.0	ND	130	25-155			
1,1-Dichloroethane	29.1	2.0	0.40	ug/l	25.0	ND	116	65-130			
1,2-Dichloroethane	25.8	2.0	0.28	ug/l	25.0	ND	103	60-140			
1,1-Dichloroethene	26.1	5.0	0.42	ug/l	25.0	ND	104	60-130			
cis-1,2-Dichloroethene	27.6	2.0	0.32	ug/l	25.0	ND	110	65-130			
trans-1,2-Dichloroethene	27.0	2.0	0.30	ug/l	25.0	ND	108	65-130			
1,2-Dichloropropane	29.8	2.0	0.35	ug/l	25.0	ND	119	65-130			
1,3-Dichloropropane	27.6	5.0	0.32	ug/l	25.0	ND	110	65-135			
2,2-Dichloropropane	29.0	2.0	0.34	ug/l	25.0	ND	116	60-145			
cis-1,3-Dichloropropene	29.9	2.0	0.22	ug/l	25.0	ND	119	70-130			
trans-1,3-Dichloropropene	31.2	2.0	0.32	ug/l	25.0	ND	125	65-135			
1,1-Dichloropropene	26.7	2.0	0.28	ug/l	25.0	ND	107	70-135			
Ethylbenzene	25.9	2.0	0.25	ug/l	25.0	ND	104	65-130			
Hexachlorobutadiene	25.6	5.0	0.38	ug/l	25.0	ND	102	60-135			
2-Hexanone	19.8	10	2.6	ug/l	25.0	ND	79	25-140			
Isopropylbenzene	25.3	2.0	0.25	ug/l	25.0	ND	101	70-135			
p-Isopropyltoluene	27.0	2.0	0.28	ug/l	25.0	ND	108	65-130			
4-Methyl-2-pentanone (MIBK)	24.1	10	3.5	ug/l	25.0	ND	96	40-140			
Methylene chloride	25.0	5.0	0.95	ug/l	25.0	ND	100	50-135			
Naphthalene	22.4	5.0	0.41	ug/l	25.0	ND	90	50-140			
n-Propylbenzene	25.4	2.0	0.27	ug/l	25.0	ND	102	70-135			
Styrene	27.4	2.0	0.20	ug/l	25.0	ND	110	50-145			
1,1,1,2-Tetrachloroethane	24.4	5.0	0.27	ug/l	25.0	ND	98	65-140			
1,1,2,2-Tetrachloroethane	28.4	2.0	0.30	ug/l	25.0	ND	114	55-135			
Tetrachloroethene	25.4	2.0	0.32	ug/l	25.0	ND	102	65-130			
Toluene	24.5	2.0	0.36	ug/l	25.0	ND	98	70-125			
1,2,3-Trichlorobenzene	25.4	5.0	0.30	ug/l	25.0	ND	102	60-135			
1,2,4-Trichlorobenzene	27.0	5.0	0.48	ug/l	25.0	ND	108	65-135			
1,1,1-Trichloroethane	26.9	2.0	0.30	ug/l	25.0	ND	108	65-140			
1,1,2-Trichloroethane	27.1	2.0	0.30	ug/l	25.0	ND	108	65-130			
Trichloroethene	25.5	2.0	0.26	ug/l	25.0	ND	102	65-125			
Trichlorofluoromethane	29.2	5.0	0.34	ug/l	25.0	ND	117	60-145			
1,2,3-Trichloropropane	25.1	10	0.40	ug/l	25.0	ND	100	55-135			
1,2,4-Trimethylbenzene	25.6	2.0	0.23	ug/l	25.0	ND	102	55-135			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Matrix Spike Analyzed: 11/16/2010 (10K1907-MS1)						**Source: ITK1028-04**					
1,3,5-Trimethylbenzene	24.4	2.0	0.26	ug/l	25.0	ND	98	70-130			
Vinyl chloride	36.0	2.0	0.40	ug/l	25.0	ND	144	45-140			*M1*
m,p-Xylenes	53.7	2.0	0.60	ug/l	50.0	ND	107	65-130			
o-Xylene	26.0	2.0	0.30	ug/l	25.0	ND	104	65-125			
Methyl-tert-butyl Ether (MTBE)	26.1	5.0	0.32	ug/l	25.0	ND	104	55-145			
Surrogate: 4-Bromofluorobenzene	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.5*			*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 11/16/2010 (10K1907-MSD1)						**Source: ITK1028-04**					
Acetone	13.6	10	4.5	ug/l	25.0	ND	54	20-150	5	35	
Benzene	26.0	2.0	0.28	ug/l	25.0	ND	104	65-125	4	20	
Bromobenzene	24.2	5.0	0.27	ug/l	25.0	ND	97	70-125	4	20	
Bromochloromethane	26.1	5.0	0.40	ug/l	25.0	ND	104	65-135	1	25	
Bromodichloromethane	29.2	2.0	0.30	ug/l	25.0	ND	117	70-135	1	20	
Bromoform	28.0	5.0	0.40	ug/l	25.0	ND	112	55-135	2	25	
Bromomethane	33.6	5.0	0.42	ug/l	25.0	ND	134	55-145	6	25	
2-Butanone (MEK)	21.5	10	4.7	ug/l	25.0	ND	86	30-145	5	40	
n-Butylbenzene	25.1	2.0	0.37	ug/l	25.0	ND	100	65-135	6	20	
sec-Butylbenzene	24.7	5.0	0.25	ug/l	25.0	ND	99	70-125	6	20	
tert-Butylbenzene	24.5	5.0	0.22	ug/l	25.0	ND	98	65-130	6	20	
Carbon Disulfide	26.4	5.0	0.48	ug/l	25.0	ND	106	40-140	6	20	
Carbon tetrachloride	26.3	5.0	0.28	ug/l	25.0	ND	105	65-140	4	25	
Chlorobenzene	25.4	2.0	0.36	ug/l	25.0	ND	102	75-125	4	20	
Chloroethane	26.7	5.0	0.40	ug/l	25.0	ND	107	55-140	5	25	
Chloroform	26.6	2.0	0.33	ug/l	25.0	1.62	100	65-135	4	20	
Chloromethane	30.9	5.0	0.40	ug/l	25.0	ND	124	45-145	6	25	
2-Chlorotoluene	24.0	5.0	0.28	ug/l	25.0	ND	96	65-135	6	20	
4-Chlorotoluene	24.5	5.0	0.29	ug/l	25.0	ND	98	70-135	5	20	
1,2-Dibromo-3-chloropropane	22.0	5.0	0.97	ug/l	25.0	ND	88	45-145	4	30	
Dibromochloromethane	22.9	2.0	0.40	ug/l	25.0	ND	92	65-140	0.6	25	
1,2-Dibromoethane (EDB)	25.5	2.0	0.40	ug/l	25.0	ND	102	70-130	2	25	
Dibromomethane	27.0	2.0	0.36	ug/l	25.0	ND	108	65-135	0.9	25	
1,2-Dichlorobenzene	24.7	2.0	0.32	ug/l	25.0	ND	99	75-125	4	20	
1,3-Dichlorobenzene	25.2	2.0	0.35	ug/l	25.0	ND	101	75-125	5	20	
1,4-Dichlorobenzene	25.1	2.0	0.37	ug/l	25.0	ND	100	75-125	5	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Matrix Spike Dup Analyzed: 11/16/2010 (10K1907-MSD1)						**Source: ITK1028-04**					
Dichlorodifluoromethane	30.2	5.0	0.26	ug/l	25.0	ND	121	25-155	7	30	
1,1-Dichloroethane	27.9	2.0	0.40	ug/l	25.0	ND	112	65-130	4	20	
1,2-Dichloroethane	25.4	2.0	0.28	ug/l	25.0	ND	102	60-140	2	20	
1,1-Dichloroethene	24.7	5.0	0.42	ug/l	25.0	ND	99	60-130	5	20	
cis-1,2-Dichloroethene	26.1	2.0	0.32	ug/l	25.0	ND	104	65-130	6	20	
trans-1,2-Dichloroethene	26.0	2.0	0.30	ug/l	25.0	ND	104	65-130	4	20	
1,2-Dichloropropane	28.9	2.0	0.35	ug/l	25.0	ND	115	65-130	3	20	
1,3-Dichloropropane	27.3	5.0	0.32	ug/l	25.0	ND	109	65-135	1	25	
2,2-Dichloropropane	27.8	2.0	0.34	ug/l	25.0	ND	111	60-145	4	25	
cis-1,3-Dichloropropene	29.2	2.0	0.22	ug/l	25.0	ND	117	70-130	2	20	
trans-1,3-Dichloropropene	31.3	2.0	0.32	ug/l	25.0	ND	125	65-135	0.4	25	
1,1-Dichloropropene	25.5	2.0	0.28	ug/l	25.0	ND	102	70-135	5	20	
Ethylbenzene	24.2	2.0	0.25	ug/l	25.0	ND	97	65-130	7	20	
Hexachlorobutadiene	24.1	5.0	0.38	ug/l	25.0	ND	96	60-135	6	20	
2-Hexanone	20.5	10	2.6	ug/l	25.0	ND	82	25-140	3	35	
Isopropylbenzene	24.0	2.0	0.25	ug/l	25.0	ND	96	70-135	5	20	
p-Isopropyltoluene	24.8	2.0	0.28	ug/l	25.0	ND	99	65-130	8	20	
4-Methyl-2-pentanone (MIBK)	25.1	10	3.5	ug/l	25.0	ND	100	40-140	4	35	
Methylene chloride	24.0	5.0	0.95	ug/l	25.0	ND	96	50-135	4	20	
Naphthalene	21.9	5.0	0.41	ug/l	25.0	ND	87	50-140	3	30	
n-Propylbenzene	23.6	2.0	0.27	ug/l	25.0	ND	94	70-135	8	20	
Styrene	24.5	2.0	0.20	ug/l	25.0	ND	98	50-145	11	30	
1,1,1,2-Tetrachloroethane	23.8	5.0	0.27	ug/l	25.0	ND	95	65-140	3	20	
1,1,2,2-Tetrachloroethane	28.1	2.0	0.30	ug/l	25.0	ND	112	55-135	1	30	
Tetrachloroethene	23.9	2.0	0.32	ug/l	25.0	ND	96	65-130	6	20	
Toluene	23.4	2.0	0.36	ug/l	25.0	ND	94	70-125	5	20	
1,2,3-Trichlorobenzene	24.6	5.0	0.30	ug/l	25.0	ND	98	60-135	4	20	
1,2,4-Trichlorobenzene	25.3	5.0	0.48	ug/l	25.0	ND	101	65-135	6	20	
1,1,1-Trichloroethane	25.8	2.0	0.30	ug/l	25.0	ND	103	65-140	4	20	
1,1,2-Trichloroethane	27.3	2.0	0.30	ug/l	25.0	ND	109	65-130	0.7	25	
Trichloroethene	24.4	2.0	0.26	ug/l	25.0	ND	98	65-125	4	20	
Trichlorofluoromethane	27.8	5.0	0.34	ug/l	25.0	ND	111	60-145	5	25	
1,2,3-Trichloropropane	25.4	10	0.40	ug/l	25.0	ND	102	55-135	1	30	
1,2,4-Trimethylbenzene	23.3	2.0	0.23	ug/l	25.0	ND	93	55-135	9	25	
1,3,5-Trimethylbenzene	21.8	2.0	0.26	ug/l	25.0	ND	87	70-130	11	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Matrix Spike Dup Analyzed: 11/16/2010 (10K1907-MSD1)						**Source: ITK1028-04**					
Vinyl chloride	32.6	2.0	0.40	ug/l	25.0	ND	130	45-140	10	30	
m,p-Xylenes	49.9	2.0	0.60	ug/l	50.0	ND	100	65-130	7	25	
o-Xylene	24.7	2.0	0.30	ug/l	25.0	ND	99	65-125	5	20	
Methyl-tert-butyl Ether (MTBE)	26.2	5.0	0.32	ug/l	25.0	ND	105	55-145	0.2	25	
Surrogate: 4-Bromofluorobenzene	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.1*			*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1907 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1907-BLK1)											
Tentatively Identified Compounds	ND	120	N/A	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2928 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2928-BLK1)											
1,2-Dibromoethane (EDB)	ND	0.0099	0.0030	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.049	0.0030	ug/l							
Surrogate: 4-Bromofluorobenzene	*4.12*			*ug/l*	*3.95*		*104*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS1)											
1,2-Dibromoethane (EDB)	0.244	0.0099	0.0030	ug/l	0.247		99	70-130			
1,2-Dibromo-3-chloropropane	0.242	0.049	0.0030	ug/l	0.247		98	70-130			
Surrogate: 4-Bromofluorobenzene	*4.16*			*ug/l*	*3.95*		*105*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS2)											
1,2-Dibromoethane (EDB)	0.232	0.0099	0.0030	ug/l	0.247		94	70-130			
1,2-Dibromo-3-chloropropane	0.239	0.049	0.0030	ug/l	0.247		97	70-130			
Surrogate: 4-Bromofluorobenzene	*3.94*			*ug/l*	*3.95*		*100*	*50-150*			
LCS Dup Analyzed: 11/23/2010 (10K2928-BSD1)											
1,2-Dibromoethane (EDB)	0.110	0.0099	0.0030	ug/l	0.0987		111	70-130	12	20	
1,2-Dibromo-3-chloropropane	0.107	0.049	0.0030	ug/l	0.0987		108	70-130	10	20	
Surrogate: 4-Bromofluorobenzene	*4.29*			*ug/l*	*3.95*		*109*	*50-150*			
Matrix Spike Analyzed: 11/23/2010 (10K2928-MS1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.236	0.0099	0.0030	ug/l	0.248	ND	95	65-135			
1,2-Dibromo-3-chloropropane	0.231	0.050	0.0030	ug/l	0.248	ND	93	65-135			
Surrogate: 4-Bromofluorobenzene	*3.95*			*ug/l*	*3.96*		*100*	*50-150*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2928-MSD1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.230	0.0098	0.0029	ug/l	0.246	ND	93	65-135	2	20	
1,2-Dibromo-3-chloropropane	0.227	0.049	0.0029	ug/l	0.246	ND	92	65-135	1	20	
Surrogate: 4-Bromofluorobenzene	*3.80*			*ug/l*	*3.93*		*97*	*50-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
2,4'-DDD	ND	0.10	0.020	ug/l							
2,4'-DDE	ND	0.10	0.020	ug/l							
2,4'-DDT	ND	0.10	0.020	ug/l							
4,4'-DDD	ND	0.10	0.030	ug/l							
4,4'-DDE	ND	0.10	0.030	ug/l							
4,4'-DDT	ND	0.10	0.030	ug/l							
Aldrin	ND	0.10	0.030	ug/l							
alpha-BHC	ND	0.10	0.020	ug/l							
beta-BHC	ND	0.10	0.040	ug/l							
delta-BHC	ND	0.20	0.020	ug/l							
Dieldrin	ND	0.10	0.030	ug/l							
Endosulfan I	ND	0.10	0.030	ug/l							
Endosulfan II	ND	0.10	0.040	ug/l							
Endosulfan sulfate	ND	0.20	0.050	ug/l							
Endrin	ND	0.10	0.030	ug/l							
Endrin aldehyde	ND	0.10	0.050	ug/l							
Endrin ketone	ND	0.10	0.040	ug/l							
gamma-BHC (Lindane)	ND	0.10	0.030	ug/l							
Heptachlor	ND	0.10	0.030	ug/l							
Heptachlor epoxide	ND	0.10	0.030	ug/l							
Methoxychlor	ND	0.10	0.040	ug/l							
Chlordane	ND	1.0	0.30	ug/l							
Toxaphene	ND	5.0	0.80	ug/l							
Surrogate: Decachlorobiphenyl	*0.471*			*ug/l*	*0.500*		*94*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.408*			*ug/l*	*0.500*		*82*	*35-120*			
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
2,4'-DDD	0.439	0.10	0.020	ug/l	0.500		88	55-120			
2,4'-DDE	0.443	0.10	0.020	ug/l	0.500		89	50-120			
2,4'-DDT	0.491	0.10	0.020	ug/l	0.500		98	55-120			
4,4'-DDD	0.520	0.10	0.030	ug/l	0.500		104	55-120			
4,4'-DDE	0.515	0.10	0.030	ug/l	0.500		103	50-120			
4,4'-DDT	0.614	0.10	0.030	ug/l	0.500		123	55-120			*L*
Aldrin	0.488	0.10	0.030	ug/l	0.500		98	40-115			
alpha-BHC	0.473	0.10	0.020	ug/l	0.500		95	45-115			
beta-BHC	0.503	0.10	0.040	ug/l	0.500		101	55-115			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
delta-BHC	0.535	0.20	0.020	ug/l	0.500		107	55-115			
Dieldrin	0.519	0.10	0.030	ug/l	0.500		104	55-115			
Endosulfan I	0.480	0.10	0.030	ug/l	0.500		96	55-115			
Endosulfan II	0.497	0.10	0.040	ug/l	0.500		99	55-120			
Endosulfan sulfate	0.556	0.20	0.050	ug/l	0.500		111	60-120			
Endrin	0.507	0.10	0.030	ug/l	0.500		101	55-115			
Endrin aldehyde	0.509	0.10	0.050	ug/l	0.500		102	50-120			
Endrin ketone	0.542	0.10	0.040	ug/l	0.500		108	55-120			
gamma-BHC (Lindane)	0.482	0.10	0.030	ug/l	0.500		96	45-115			
Heptachlor	0.525	0.10	0.030	ug/l	0.500		105	45-115			
Heptachlor epoxide	0.483	0.10	0.030	ug/l	0.500		97	55-115			
Methoxychlor	0.495	0.10	0.040	ug/l	0.500		99	60-120			
Surrogate: Decachlorobiphenyl	*0.454*			*ug/l*	*0.500*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.405*			*ug/l*	*0.500*		*81*	*35-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
2,4'-DDD	0.412	0.094	0.019	ug/l	0.472	ND	87	50-125			
2,4'-DDE	0.413	0.094	0.019	ug/l	0.472	ND	88	45-125			
2,4'-DDT	0.466	0.094	0.019	ug/l	0.472	ND	99	50-125			
4,4'-DDD	0.490	0.094	0.028	ug/l	0.472	ND	104	50-125			
4,4'-DDE	0.481	0.094	0.028	ug/l	0.472	ND	102	45-125			
4,4'-DDT	0.590	0.094	0.028	ug/l	0.472	ND	125	50-125			
Aldrin	0.521	0.094	0.028	ug/l	0.472	ND	110	35-120			
alpha-BHC	0.441	0.094	0.019	ug/l	0.472	ND	93	40-120			
beta-BHC	0.464	0.094	0.038	ug/l	0.472	ND	98	50-120			
delta-BHC	0.490	0.19	0.019	ug/l	0.472	ND	104	50-120			
Dieldrin	0.484	0.094	0.028	ug/l	0.472	ND	103	50-120			
Endosulfan I	0.443	0.094	0.028	ug/l	0.472	ND	94	50-120			
Endosulfan II	0.469	0.094	0.038	ug/l	0.472	ND	99	50-125			
Endosulfan sulfate	0.527	0.19	0.047	ug/l	0.472	ND	112	55-125			
Endrin	0.476	0.094	0.028	ug/l	0.472	ND	101	50-120			
Endrin aldehyde	0.479	0.094	0.047	ug/l	0.472	ND	102	45-125			
Endrin ketone	0.495	0.094	0.038	ug/l	0.472	ND	105	50-125			
gamma-BHC (Lindane)	0.456	0.094	0.028	ug/l	0.472	ND	97	40-120			
Heptachlor	0.531	0.094	0.028	ug/l	0.472	ND	113	40-120			
Heptachlor epoxide	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
Methoxychlor	0.493	0.094	0.038	ug/l	0.472	ND	105	55-125			
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.360*			*ug/l*	*0.472*		*76*	*35-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD1)						**Source: ITK1710-04**					
2,4'-DDD	0.414	0.094	0.019	ug/l	0.472	ND	88	50-125	0.5	30	
2,4'-DDE	0.416	0.094	0.019	ug/l	0.472	ND	88	45-125	0.6	30	
2,4'-DDT	0.468	0.094	0.019	ug/l	0.472	ND	99	50-125	0.4	30	
4,4'-DDD	0.492	0.094	0.028	ug/l	0.472	ND	104	50-125	0.4	30	
4,4'-DDE	0.485	0.094	0.028	ug/l	0.472	ND	103	45-125	1	30	
4,4'-DDT	0.591	0.094	0.028	ug/l	0.472	ND	125	50-125	0.1	30	
Aldrin	0.529	0.094	0.028	ug/l	0.472	ND	112	35-120	2	30	
alpha-BHC	0.443	0.094	0.019	ug/l	0.472	ND	94	40-120	0.5	30	
beta-BHC	0.468	0.094	0.038	ug/l	0.472	ND	99	50-120	0.8	30	
delta-BHC	0.492	0.19	0.019	ug/l	0.472	ND	104	50-120	0.4	30	
Dieldrin	0.488	0.094	0.028	ug/l	0.472	ND	103	50-120	0.8	30	
Endosulfan I	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Endosulfan II	0.470	0.094	0.038	ug/l	0.472	ND	100	50-125	0.3	30	
Endosulfan sulfate	0.521	0.19	0.047	ug/l	0.472	ND	111	55-125	1	30	
Endrin	0.478	0.094	0.028	ug/l	0.472	ND	101	50-120	0.4	30	
Endrin aldehyde	0.488	0.094	0.047	ug/l	0.472	ND	103	45-125	2	30	
Endrin ketone	0.500	0.094	0.038	ug/l	0.472	ND	106	50-125	0.9	30	
gamma-BHC (Lindane)	0.459	0.094	0.028	ug/l	0.472	ND	97	40-120	0.6	30	
Heptachlor	0.537	0.094	0.028	ug/l	0.472	ND	114	40-120	1	30	
Heptachlor epoxide	0.449	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Methoxychlor	0.494	0.094	0.038	ug/l	0.472	ND	105	55-125	0.2	30	
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.365*			*ug/l*	*0.472*		*77*	*35-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
Aroclor 1016	ND	1.0	0.25	ug/l							
Aroclor 1221	ND	1.0	0.25	ug/l							
Aroclor 1232	ND	1.0	0.25	ug/l							
Aroclor 1242	ND	1.0	0.25	ug/l							
Aroclor 1248	ND	1.0	0.25	ug/l							
Aroclor 1254	ND	1.0	0.25	ug/l							
Aroclor 1260	ND	1.0	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.418*			*ug/l*	*0.500*		*84*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2443-BS2)											
Aroclor 1016	3.64	1.0	0.25	ug/l	4.00		91	50-115			
Aroclor 1260	3.70	1.0	0.25	ug/l	4.00		93	60-120			
Surrogate: Decachlorobiphenyl	*0.451*			*ug/l*	*0.500*		*90*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS2)					**Source: ITK1710-04**						
Aroclor 1016	3.36	0.94	0.24	ug/l	3.77	ND	89	45-120			
Aroclor 1260	3.39	0.94	0.24	ug/l	3.77	ND	90	55-125			
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD2)					**Source: ITK1710-04**						
Aroclor 1016	3.44	0.94	0.24	ug/l	3.77	ND	91	45-120	2	30	
Aroclor 1260	3.44	0.94	0.24	ug/l	3.77	ND	91	55-125	2	25	
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

DISSOLVED INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1881 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1881-BLK1)											
Chromium VI	ND	0.0020	0.00025	mg/l							
LCS Analyzed: 11/16/2010 (10K1881-BS1)											
Chromium VI	0.0494	0.0020	0.00025	mg/l	0.0500		99	90-110			
Matrix Spike Analyzed: 11/16/2010 (10K1881-MS1)						**Source: ITK1514-01**					
Chromium VI	0.0502	0.0020	0.00025	mg/l	0.0500	ND	100	85-115			
Matrix Spike Dup Analyzed: 11/16/2010 (10K1881-MSD1)						**Source: ITK1514-01**					
Chromium VI	0.0490	0.0020	0.00025	mg/l	0.0500	ND	98	85-115	2	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1921 Extracted: 11/16/10											
Blank Analyzed: 11/16/2010 (10K1921-BLK1)											
Fluoride	ND	0.50	0.15	mg/l							
Nitrate-N	ND	0.11	0.060	mg/l							
Nitrite-N	ND	0.15	0.090	mg/l							
Sulfate	ND	0.50	0.20	mg/l							
LCS Analyzed: 11/16/2010 (10K1921-BS1)											
Fluoride	4.61	0.50	0.15	mg/l	5.00		92	90-110			
Nitrate-N	1.13	0.11	0.060	mg/l	1.13		100	90-110			
Nitrite-N	1.53	0.15	0.090	mg/l	1.52		100	90-110			
Sulfate	9.62	0.50	0.20	mg/l	10.0		96	90-110			
Duplicate Analyzed: 11/17/2010 (10K1921-DUP1)						**Source: ITK1549-02**					
Fluoride	ND	0.50	0.15	mg/l		ND				200	
Nitrate-N	ND	0.11	0.060	mg/l		ND				200	
Nitrite-N	ND	0.15	0.090	mg/l		ND				200	
Sulfate	ND	0.50	0.20	mg/l		ND				200	
Matrix Spike Analyzed: 11/16/2010 (10K1921-MS1)						**Source: ITK1540-05**					
Fluoride	5.15	0.50	0.15	mg/l	5.00	0.759	88	80-120			
Nitrate-N	1.32	0.11	0.060	mg/l	1.13	0.311	90	80-120			
Nitrite-N	1.62	0.15	0.090	mg/l	1.52	ND	107	80-120			
Sulfate	34.3	0.50	0.20	mg/l	10.0	24.3	100	80-120			
Matrix Spike Analyzed: 11/16/2010 (10K1921-MS2)						**Source: ITK1540-13**					
Fluoride	5.17	0.50	0.15	mg/l	5.00	0.720	89	80-120			
Nitrate-N	1.22	0.11	0.060	mg/l	1.13	0.294	82	80-120			
Nitrite-N	1.53	0.15	0.090	mg/l	1.52	ND	101	80-120			
Sulfate	37.6	0.50	0.20	mg/l	10.0	27.0	106	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K1921 Extracted: 11/16/10											
Matrix Spike Dup Analyzed: 11/16/2010 (10K1921-MSD1)						**Source: ITK1540-05**					
Fluoride	5.17	0.50	0.15	mg/l	5.00	0.759	88	80-120	0.3	20	
Nitrate-N	1.33	0.11	0.060	mg/l	1.13	0.311	90	80-120	0.5	20	
Nitrite-N	1.50	0.15	0.090	mg/l	1.52	ND	99	80-120	8	20	
Sulfate	34.6	0.50	0.20	mg/l	10.0	24.3	104	80-120	1	20	
Matrix Spike Dup Analyzed: 11/16/2010 (10K1921-MSD2)						**Source: ITK1540-13**					
Fluoride	5.21	0.50	0.15	mg/l	5.00	0.720	90	80-120	0.9	20	
Nitrate-N	1.26	0.11	0.060	mg/l	1.13	0.294	85	80-120	3	20	
Nitrite-N	1.52	0.15	0.090	mg/l	1.52	ND	100	80-120	0.8	20	
Sulfate	37.8	0.50	0.20	mg/l	10.0	27.0	108	80-120	0.4	20	
Batch: 10K2201 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2201-BLK1)											
Total Cyanide	ND	0.025	0.017	mg/l							
LCS Analyzed: 11/17/2010 (10K2201-BS1)											
Total Cyanide	0.194	0.025	0.017	mg/l	0.200		97	90-110			
Matrix Spike Analyzed: 11/17/2010 (10K2201-MS1)						**Source: ITK1549-02**					
Total Cyanide	0.177	0.025	0.017	mg/l	0.200	ND	88	70-115			
Matrix Spike Dup Analyzed: 11/17/2010 (10K2201-MSD1)						**Source: ITK1549-02**					
Total Cyanide	0.182	0.025	0.017	mg/l	0.200	ND	91	70-115	3	15	
Batch: 10K2597 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2597-BLK1)											
Ammonia-N	ND	0.50	0.10	mg/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2597 Extracted: 11/19/10											
LCS Analyzed: 11/19/2010 (10K2597-BS1)											
Ammonia-N	0.998	0.50	0.10	mg/l	1.00		100	85-115			
Matrix Spike Analyzed: 11/19/2010 (10K2597-MS1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2597-MSD1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125	0	15	
Batch: 10K3556 Extracted: 11/30/10											
Blank Analyzed: 11/30/2010 (10K3556-BLK1)											
Phosphorus	ND	0.050	0.020	mg/l							
LCS Analyzed: 11/30/2010 (10K3556-BS1)											
Phosphorus	0.515	0.050	0.020	mg/l	0.500		103	80-120			
Matrix Spike Analyzed: 11/30/2010 (10K3556-MS1)						**Source: ITK1858-02**					
Phosphorus	1.02	0.10	0.040	mg/l	1.00	ND	102	65-130			
Matrix Spike Dup Analyzed: 11/30/2010 (10K3556-MSD1)						**Source: ITK1858-02**					
Phosphorus	1.04	0.10	0.040	mg/l	1.00	ND	104	65-130	1	15	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
Blank Analyzed: 12/15/2010 (G0K230000484B)						**Source:**					
PCB 10 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 105 (BZ)	ND	0.02	0.00058	ng/L				-			
PCB 11 (BZ)	0.022	0.2	0.0015	ng/L				-			*J*
PCB 114 (BZ)	ND	0.02	0.00058	ng/L				-			
PCB 118 (BZ)	0.003	0.02	0.0006	ng/L				-			*Ca, J, Q*
PCB 12 (BZ)	ND	0.2	0.0015	ng/L				-			
PCB 123 (BZ)	ND	0.02	0.0006	ng/L				-			
PCB 126 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 13 (BZ)	ND	0.2	0.0015	ng/L				-			
PCB 14 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 15 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 156 (BZ)	ND	0.02	0.00057	ng/L				-			
PCB 157 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 167 (BZ)	ND	0.02	0.00062	ng/L				-			
PCB 169 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 189 (BZ)	ND	0.02	0.00051	ng/L				-			
PCB 4 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 5 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 6 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 7 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 77 (BZ)	ND	0.02	0.00047	ng/L				-			
PCB 8 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 81 (BZ)	ND	0.02	0.00047	ng/L				-			
PCB 9 (BZ)	ND	0.2	0.0014	ng/L				-			
Surrogate: 13C12-PCB 105	*0.0018*			*ng/L*	*0.002*		*90*	*25-150*			
Surrogate: 13C12-PCB 114	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
Surrogate: 13C12-PCB 118	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
Surrogate: 13C12-PCB 126	*0.002*			*ng/L*	*0.002*		*101*	*25-150*			
Surrogate: 13C12-PCB 15	*0.0015*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 156	*0.0019*			*ng/L*	*0.002*		*94*	*25-150*			
Surrogate: 13C12-PCB 157	*0.0019*			*ng/L*	*0.002*		*94*	*25-150*			
Surrogate: 13C12-PCB 167	*0.0018*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 169	*0.0022*			*ng/L*	*0.002*		*110*	*25-150*			
Surrogate: 13C12-PCB 189	*0.0021*			*ng/L*	*0.002*		*107*	*25-150*			
Surrogate: 13C12-PCB 77	*0.0018*			*ng/L*	*0.002*		*90*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
Blank Analyzed: 12/15/2010 (G0K230000484B)						**Source:**					
Surrogate: 13C12-PCB 81	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
LCS Analyzed: 12/15/2010 (G0K230000484C)						**Source:**					
PCB 105 (BZ)	2.08	0.02	0.00086	ng/L	2		104	50-150			*Ca*
PCB 114 (BZ)	2.03	0.02	0.00085	ng/L	2		102	50-150			
PCB 118 (BZ)	2.13	0.02	0.00089	ng/L	2		106	50-150			*Ca*
PCB 123 (BZ)	2.07	0.02	0.00089	ng/L	2		104	50-150			
PCB 126 (BZ)	2.05	0.02	0.00084	ng/L	2		103	50-150			
PCB 15 (BZ)	1.97	0.2	0.00062	ng/L	2		99	50-150			
PCB 156 (BZ)	2.08	0.02	0.0011	ng/L	2		104	50-150			
PCB 157 (BZ)	2.09	0.02	0.0011	ng/L	2		104	50-150			
PCB 167 (BZ)	2.24	0.02	0.0012	ng/L	2		112	50-150			
PCB 169 (BZ)	2.06	0.02	0.0011	ng/L	2		103	50-150			
PCB 189 (BZ)	1.93	0.02	0.00067	ng/L	2		96	50-150			
PCB 77 (BZ)	2.08	0.02	0.00095	ng/L	2		104	50-150			
PCB 81 (BZ)	2.11	0.02	0.00096	ng/L	2		106	50-150			
Surrogate: 13C12-PCB 105	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 114	*0.00165*			*ng/L*	*0.002*		*83*	*25-150*			
Surrogate: 13C12-PCB 118	*0.00162*			*ng/L*	*0.002*		*81*	*25-150*			
Surrogate: 13C12-PCB 126	*0.00193*			*ng/L*	*0.002*		*97*	*25-150*			
Surrogate: 13C12-PCB 15	*0.00148*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 156	*0.00175*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 167	*0.00166*			*ng/L*	*0.002*		*83*	*25-150*			
Surrogate: 13C12-PCB 169	*0.002*			*ng/L*	*0.002*		*100*	*25-150*			
Surrogate: 13C12-PCB 189	*0.00197*			*ng/L*	*0.002*		*98*	*25-150*			
Surrogate: 13C12-PCB 77	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 81	*0.00165*			*ng/L*	*0.002*		*83*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

SW846 6850-DISSx

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 340124 Extracted: 12/06/10											
Matrix Spike Dup Analyzed: 12/10/2010 (G0K180557001D)						**Source: G0K180557001**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120	0	15	*MSA, a*
Matrix Spike Analyzed: 12/10/2010 (G0K180557001S)						**Source: G0K180557001**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120			*MSA, a*
Blank Analyzed: 12/10/2010 (G0L060000124B)						**Source:**					
Perchlorate	ND	0.5	0.082	ug/L				-			
LCS Analyzed: 12/10/2010 (G0L060000124C)						**Source:**					
Perchlorate	4.57	0.5	0.082	ug/L	5		91	80-120			
LCS Analyzed: 12/10/2010 (G0L060000124R)						**Source:**					
Perchlorate	4.6	0.5	0.082	ug/L	5		92	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

METHOD BLANK/QC DATA

Anions by EPA Method 300.0/300.1/326

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: W0L0013 Extracted: 12/01/10											
Blank Analyzed: 12/01/2010 (W0L0013-BLK1)											
Iodide	ND	10	2.7	ug/l							
LCS Analyzed: 12/01/2010 (W0L0013-BS1)											
Iodide	41.5	10	2.7	ug/l	40.0		104	80-120			
Matrix Spike Analyzed: 12/01/2010 (W0L0013-MS1)						**Source: ITK1549-02**					
Iodide	37.9	10	2.7	ug/l	40.0	ND	95	80-120			
Matrix Spike Dup Analyzed: 12/01/2010 (W0L0013-MSD1)						**Source: ITK1549-02**					
Iodide	40.5	10	2.7	ug/l	40.0	ND	101	80-120	7	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program

Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDT	1	122	ITK1549-02	10K2443
4,4'-DDT	1	122	ITK1549-03	10K2443

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID: Henderson - SRC Water Program	
3995 Via Oro Ave		Sampled: 11/15/10
Long Beach, CA 90810	Report Number: ITK1549	Received: 11/16/10
Attention: Alycia McCord		

DATA QUALIFIERS AND DEFINITIONS

a	Spiked analyte recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
Ca	Co-eluting isomer.
H	Sample analysis performed past method-specified holding time.
J	Estimated result. Result is less than the reporting limit.
Ja	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MSA	The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.
Q	Estimated maximum possible concentration (EMPC).
RL1	Reporting limit raised due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Report Number: ITK1549

Sampled: 11/15/10
Received: 11/16/10

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EDD + Level 4	Water	N/A	N/A
EPA 3510C/8081A	Water	X	
EPA 365.3	Water	X	X
EPA 504.1	Water	X	
EPA 7199	Water	X	
EPA 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8082	Water	X	X
EPA 8260B	Water	X	X
EPA 9014	Water	X	
EPA 9056	Water	X	
SM4500NH3-D	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

TestAmerica West Sacramento *NELAC Cert #1119CA, Nevada Cert #CA44*
880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: EPA-14 1668
Samples: ITK1549-02, ITK1549-03

Method Performed: SW846 6850-DISS
Samples: ITK1549-02, ITK1549-03

Weck Laboratories, Inc. *California Cert #1132*
14859 E. Clark Avenue - City of Industry, CA 91745

Method Performed: EPA 9056 M
Samples: ITK1549-02, ITK1549-03

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ITK 1549

TAL-4124 (1007)

Client: AECOM	Project Manager: ALYCIA McLORN	Date: 11/15/10	Chain of Custody Number: 165102
Address: 3995 VIA ORO	Telephone Number (Area Code)/Fax Number: 562-213-4152	Lab Number	Page 1 of 1
City: LONG Beach / State: CA / Zip Code: 90810	Site Contact: K. Green	Lab Contact: P. Mata / K. Robb	
Project Name and Location (State): Henderson Trust	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): 8260B Hydrous; See PM for additional ANALYSES. per K. Robb

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8260B Hydrous	See PM for additional ANALYSES. per K. Robb	Special Instructions/ Conditions of Receipt
TB111510	10/15/10	1115		X							X				X		
EB111510	11/15/10	1145		X				X	X	X	X	X			X	X	
MC-MW-36	11/15/10	1445		X				X	X	X	X	X			X	X	LEVEL IV ON ALL ANALYSES. RUSH TAT on 8260B.

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	11/15/10	1543	1. Received By	11/16/10	1543
2. Relinquished By	11/16/10	1700	2. Received By		
3. Relinquished By			3. Received By: Vu Bank (CS) 4.0	11/16/10	10:20

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Total Bottles Loaded (61) 8.5°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson - SRC Water Program
Henderson - SRC Water Program

Sampled: 11/15/10-11/16/10
Received: 11/17/10
Issued: 12/22/10 16:14

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: WATER, 6850, Perchlorate
Samples: 1, 2, 3
Per method guidelines, a laboratory control sample (LCS) and a synthetic matrix check sample (SMCS) have been analyzed with this analytical batch. Each set of data is reported as an LCS with the following work order numbers assigned:
LCS: MAWRT1AA
SMCS: MAWRT1AD
Sample 1 is the parent sample for the matrix spike/matrix spike duplicate per request of the client. Due to elevated concentration of perchlorate in the parent sample, the sample and MS/MSD are analyzed at a 200,000x dilution. As a result, the spike was diluted beyond the ability to quantitate a percent recovery in the MS/MSD.

WATER, 1668, PCB's - Custom List
Samples: 1, 2, 3
Some analytes in sample 1 and the associated method blank for these samples have an ion abundance ratio that is outside of criteria. The analytes are considered as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio. Analytical results are reported with a "Q" flag.

There are no other anomalies associated with this project.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Report Number:	Henderson - SRC Water Program Henderson - SRC Water Program ITK1710	Sampled: 11/15/10-11/16/10 Received: 11/17/10

ADDITIONAL INFORMATION: This is an amended complete final report with all requested analyses. A J flag was added to the detection of PCB 11 in the method blank. The concentration did not change.

LABORATORY ID	CLIENT ID	MATRIX
ITK1710-01	TB111610	Water
ITK1710-02	MC-MW-36	Water
ITK1710-03	MC-MW-36FB	Water
ITK1710-04	MC-MW-37	Water
ITK1710-05	MC-MW-38	Water
ITK1710-06	MC-MW-32	Water
ITK1710-07	MC-MW-32FB	Water

Reviewed By:

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*67 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*68 %*				
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*60 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3007	0.30	0.50	ND	1	11/23/10	11/23/10	
Methanol	EPA 8015B	10K3007	0.30	0.50	ND	1	11/23/10	11/23/10	
Surrogate: 1-Pentanol (70-130%)					*117 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3007	0.30	0.50	ND	1	11/23/10	11/23/10	
Methanol	EPA 8015B	10K3007	0.30	0.50	ND	1	11/23/10	11/23/10	
Surrogate: 1-Pentanol (70-130%)					*109 %*				
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3007	0.30	0.50	ND	1	11/23/10	11/23/10	
Methanol	EPA 8015B	10K3007	0.30	0.50	**0.38**	1	11/23/10	11/23/10	J
Surrogate: 1-Pentanol (70-130%)					*114 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K2943	25	50	ND	1	11/23/10	11/23/10	
Surrogate: 4-BFB (FID) (65-140%)					*95 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K2943	250	500	**910**	10	11/23/10	11/23/10	QP1
Surrogate: 4-BFB (FID) (65-140%)					*101 %*				
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K2943	25	50	ND	1	11/23/10	11/23/10	
Surrogate: 4-BFB (FID) (65-140%)					*100 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-01 (TB111610 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	ND	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-01 (TB111610 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-03 (MC-MW-36FB - Water)					**Sampled: 11/15/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	ND	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-03 (MC-MW-36FB - Water) - cont.					**Sampled: 11/15/10**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2264	0.36	2.0	**0.46**	1	11/18/10	11/18/10	J
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2264	0.28	2.0	**0.29**	1	11/18/10	11/18/10	J
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	**1.4**	1	11/18/10	11/18/10	J
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	**5.5**	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	0.36	2.0	**0.73**	1	11/18/10	11/18/10	J
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	**46**	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	**2.2**	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	**2.3**	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	**1.3**	1	11/18/10	11/18/10	J
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	**1.2**	1	11/18/10	11/18/10	J
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	**0.62**	1	11/18/10	11/18/10	J
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	**1.9**	1	11/18/10	11/18/10	J
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	**0.90**	1	11/18/10	11/18/10	J
Toluene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	**0.68**	1	11/18/10	11/18/10	J
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*88 %*				
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	**10**	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	**2.7**	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	**5.1**	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	**1.7**	1	11/18/10	11/18/10	J
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	**1.0**	1	11/18/10	11/18/10	J
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	**0.43**	1	11/18/10	11/18/10	J
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	**0.35**	1	11/18/10	11/18/10	J
Toluene	EPA 8260B	10K2264	0.36	2.0	**0.81**	1	11/18/10	11/18/10	J
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*105 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05RE1 (MC-MW-38 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Benzene	EPA 8260B	10K2264	2.8	20	**380**	10	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	3.6	20	**210**	10	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2264	0.28	2.0	**0.34**	1	11/18/10	11/18/10	J
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	**2.5**	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	**0.61**	1	11/18/10	11/18/10	J
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	**9.3**	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	**1.6**	1	11/18/10	11/18/10	J
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	**2.0**	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	**1.0**	1	11/18/10	11/18/10	J
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*103 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-07 (MC-MW-32FB - Water)					**Sampled: 11/15/10**				
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2264	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2264	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2264	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2264	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2264	0.33	2.0	ND	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2264	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2264	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2264	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2264	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2264	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2264	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2264	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2264	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-07 (MC-MW-32FB - Water) - cont.					**Sampled: 11/15/10**				
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2264	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2264	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2264	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2264	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2264	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2264	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2264	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2264	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2264	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2264	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2264	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2264	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2264	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2264	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2264	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2264	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2264	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2264	0.36	2.0	**0.47**	1	11/18/10	11/18/10	J
1,2,3-Trichlorobenzene	EPA 8260B	10K2264	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2264	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2264	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2264	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2264	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2264	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2264	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2264	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2264	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2264	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*99 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-01 (TB111610 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1710-03 (MC-MW-36FB - Water)					**Sampled: 11/15/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1710-07 (MC-MW-32FB - Water)					**Sampled: 11/15/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2264	N/A	120	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0029	0.0098	ND	0.976	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0029	0.049	ND	0.976	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*95 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0030	0.0099	ND	0.989	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0030	0.049	ND	0.989	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*97 %*				
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0029	0.0098	ND	0.979	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0029	0.049	ND	0.979	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*91 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Acenaphthylene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Aniline	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Anthracene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.4	19	ND	0.943	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	47	ND	0.943	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.2	9.4	ND	0.943	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.943	11/18/10	11/23/10	
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.5	19	ND	0.943	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Sample ID: ITK1710-02 (MC-MW-36 - Water) - cont. **Sampled: 11/16/10**

Reporting Units: ug/l

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Fluoranthene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.7	19	ND	0.943	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Methylphenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Naphthalene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.943	11/18/10	11/23/10	C
3-Nitroaniline	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
Nitrobenzene	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.943	11/18/10	11/23/10	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Pyrene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.2	19	ND	0.943	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.943	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.1	19	ND	0.943	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	28	190	ND	0.943	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*101 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*75 %*				
Surrogate: 2-Fluorophenol (30-120%)					*61 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*79 %*				
Surrogate: Phenol-d6 (35-120%)					*86 %*				
Surrogate: Terphenyl-d14 (50-125%)					*49 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	M2
Acenaphthylene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	M2
Aniline	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	M2
Anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.5	19	ND	0.952	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	M2
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	M2
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	48	ND	0.952	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.3	9.5	ND	0.952	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.952	11/18/10	11/23/10	M2
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	M2
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.6	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Sample ID: ITK1710-04 (MC-MW-37 - Water) - cont. **Sampled: 11/16/10**

Reporting Units: ug/l

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Fluoranthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.8	19	ND	0.952	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	M2, R-3
4-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	M2, R-3
Naphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.952	11/18/10	11/23/10	M2, C
3-Nitroaniline	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	M2
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	M2, R-3
Nitrobenzene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	M1
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.952	11/18/10	11/23/10	M1
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	M2, R-3
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	M2, R-3
Pyrene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.3	19	ND	0.952	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.952	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.2	19	ND	0.952	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	29	190	ND	0.952	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*55 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*79 %*				
Surrogate: 2-Fluorophenol (30-120%)					*20 %*				*Z*
Surrogate: Nitrobenzene-d5 (45-120%)					*79 %*				
Surrogate: Phenol-d6 (35-120%)					*6 %*				*Z*
Surrogate: Terphenyl-d14 (50-125%)					*37 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Acenaphthylene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Aniline	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.5	19	ND	0.952	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	48	ND	0.952	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.3	9.5	ND	0.952	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.952	11/18/10	11/23/10	
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.6	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Sample ID: ITK1710-05 (MC-MW-38 - Water) - cont. **Sampled: 11/16/10**

Reporting Units: ug/l

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Fluoranthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.8	19	ND	0.952	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Naphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.952	11/18/10	11/23/10	C
3-Nitroaniline	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
Nitrobenzene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.952	11/18/10	11/23/10	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pyrene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.3	19	ND	0.952	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.952	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.2	19	ND	0.952	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	29	190	ND	0.952	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*102 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*76 %*				
Surrogate: 2-Fluorophenol (30-120%)					*68 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*81 %*				
Surrogate: Phenol-d6 (35-120%)					*78 %*				
Surrogate: Terphenyl-d14 (50-125%)					*36 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Acenaphthylene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Aniline	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.5	19	ND	0.952	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	48	ND	0.952	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.3	9.5	ND	0.952	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.952	11/18/10	11/23/10	
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.6	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Sample ID: ITK1710-06 (MC-MW-32 - Water) - cont. **Sampled: 11/16/10**

Reporting Units: ug/l

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Fluoranthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.8	19	ND	0.952	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Naphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.952	11/18/10	11/23/10	C
3-Nitroaniline	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
Nitrobenzene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.952	11/18/10	11/23/10	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pyrene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.3	19	ND	0.952	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.952	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.2	19	ND	0.952	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	29	190	ND	0.952	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water) - cont.					**Sampled: 11/16/10**				
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*102 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*71 %*				
Surrogate: 2-Fluorophenol (30-120%)					*66 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*80 %*				
Surrogate: Phenol-d6 (35-120%)					*81 %*				
Surrogate: Terphenyl-d14 (50-125%)					*30 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10K2644	0.28	0.94	ND	0.943	11/20/10	11/22/10	
Surrogate: 1,4-Dioxane-d8 (30-120%)					*67 %*				
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10K2644	0.28	0.94	**0.47**	0.943	11/20/10	11/22/10	J
Surrogate: 1,4-Dioxane-d8 (30-120%)					*65 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10K2644	0.28	0.94	**0.52**	0.943	11/20/10	11/22/10	J
Surrogate: 1,4-Dioxane-d8 (30-120%)					*68 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	10K2767	40	350	ND	1	11/23/10	11/23/10	
Trichloroacetaldehyde	EPA 8270C MOD	10K2767	27	150	ND	1	11/23/10	11/23/10	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*48 %*				
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	10K2767	40	350	ND	1	11/23/10	11/23/10	
Trichloroacetaldehyde	EPA 8270C MOD	10K2767	27	150	ND	1	11/23/10	11/23/10	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*48 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	10K2767	40	350	ND	1	11/23/10	11/23/10	
Trichloroacetaldehyde	EPA 8270C MOD	10K2767	27	150	ND	1	11/23/10	11/23/10	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*49 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	47	ND	0.943	11/18/10	11/23/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	48	ND	0.952	11/18/10	11/23/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	48	ND	0.952	11/18/10	11/23/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	48	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	**0.053**	0.943	11/19/10	11/20/10	J
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/20/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/20/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/20/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/20/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*100 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*83 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/19/10	
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/19/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/19/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/19/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/19/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/19/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/19/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/19/10	
Surrogate: Decachlorobiphenyl (45-120%)					*96 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*81 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	**0.023**	0.943	11/19/10	11/20/10	J
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/20/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/20/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/20/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/20/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*96 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*84 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/19/10	
Surrogate: Decachlorobiphenyl (45-120%)					*77 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*84 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Boron	EPA 6010B	10K2779	0.020	0.050	**0.88**	1	11/22/10	11/25/10	
Calcium	EPA 6010B	10K2779	0.050	0.10	**92**	1	11/22/10	11/25/10	
Iron	EPA 6010B	10K2779	0.015	0.040	ND	1	11/22/10	11/25/10	
Lithium	EPA 6010B	10K2779	0.030	0.050	**0.092**	1	11/22/10	11/25/10	
Magnesium	EPA 6010B	10K2779	0.012	0.020	**70**	1	11/22/10	11/25/10	
Phosphorus	EPA 6010B	10K2779	0.020	0.040	**0.062**	1	11/22/10	11/25/10	
Potassium	EPA 6010B	10K2779	0.37	0.50	**16**	1	11/22/10	11/25/10	
Sodium	EPA 6010B	10K2779	0.19	0.50	**300**	1	11/22/10	11/25/10	
Strontium	EPA 6010B	10K2779	0.0050	0.020	**3.3**	1	11/22/10	11/25/10	
Tin	EPA 6010B	10K2779	0.012	0.10	ND	1	11/22/10	11/25/10	
Titanium	EPA 6010B	10K2779	0.0020	0.0050	ND	1	11/22/10	11/25/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Boron	EPA 6010B	10K2779	0.020	0.050	**9.5**	1	11/22/10	11/23/10	MHA
Calcium	EPA 6010B	10K2779	0.10	0.20	**570**	2	11/22/10	11/24/10	MHA
Iron	EPA 6010B	10K2779	0.015	0.040	ND	1	11/22/10	11/23/10	
Lithium	EPA 6010B	10K2779	0.030	0.050	**0.25**	1	11/22/10	11/23/10	M2
Magnesium	EPA 6010B	10K2779	0.012	0.020	**260**	1	11/22/10	11/23/10	MHA
Phosphorus	EPA 6010B	10K2779	0.020	0.040	**0.10**	1	11/22/10	11/23/10	
Potassium	EPA 6010B	10K2779	0.37	0.50	**26**	1	11/22/10	11/23/10	
Sodium	EPA 6010B	10K2779	0.38	1.0	**1300**	2	11/22/10	11/24/10	MHA
Strontium	EPA 6010B	10K2779	0.0050	0.020	**15**	1	11/22/10	11/23/10	MHA
Tin	EPA 6010B	10K2779	0.012	0.10	**0.045**	1	11/22/10	11/23/10	J
Titanium	EPA 6010B	10K2779	0.0020	0.0050	ND	1	11/22/10	11/23/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Boron	EPA 6010B	10K2779	0.040	0.10	**2.6**	2	11/22/10	11/26/10	
Calcium	EPA 6010B	10K2779	0.10	0.20	**390**	2	11/22/10	11/26/10	
Iron	EPA 6010B	10K2779	0.030	0.080	ND	2	11/22/10	11/26/10	RL1
Lithium	EPA 6010B	10K2779	0.060	0.10	**0.15**	2	11/22/10	11/26/10	
Magnesium	EPA 6010B	10K2779	0.024	0.040	**240**	2	11/22/10	11/26/10	
Phosphorus	EPA 6010B	10K2779	0.040	0.080	**0.13**	2	11/22/10	11/26/10	
Potassium	EPA 6010B	10K2779	0.74	1.0	**21**	2	11/22/10	11/26/10	
Sodium	EPA 6010B	10K2779	0.38	1.0	**720**	2	11/22/10	11/26/10	
Strontium	EPA 6010B	10K2779	0.010	0.040	**10**	2	11/22/10	11/26/10	
Tin	EPA 6010B	10K2779	0.024	0.20	ND	2	11/22/10	11/26/10	RL1
Titanium	EPA 6010B	10K2779	0.0040	0.010	ND	2	11/22/10	11/26/10	RL1

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Aluminum	EPA 6020	10K2789	8.5	10	**9.3**	1	11/22/10	11/24/10	J
Uranium	EPA 6020	10K2789	0.20	1.0	**5.1**	1	11/22/10	11/23/10	
Antimony	EPA 6020	10K2789	0.30	2.0	ND	1	11/22/10	11/23/10	
Arsenic	EPA 6020	10K2789	0.90	1.0	**28**	1	11/22/10	11/24/10	
Barium	EPA 6020	10K2789	0.30	1.0	**41**	1	11/22/10	11/23/10	
Beryllium	EPA 6020	10K2789	0.10	0.50	ND	1	11/22/10	11/24/10	
Cadmium	EPA 6020	10K2789	0.10	1.0	ND	1	11/22/10	11/23/10	
Chromium	EPA 6020	10K2789	0.90	2.0	**5.9**	1	11/22/10	11/23/10	
Cobalt	EPA 6020	10K2789	0.10	1.0	**0.33**	1	11/22/10	11/23/10	J
Copper	EPA 6020	10K2789	0.50	2.0	**2.4**	1	11/22/10	11/23/10	
Lead	EPA 6020	10K2789	0.20	1.0	ND	1	11/22/10	11/23/10	
Manganese	EPA 6020	10K2789	0.70	1.0	**39**	1	11/22/10	11/23/10	
Molybdenum	EPA 6020	10K2789	0.20	2.0	**17**	1	11/22/10	11/23/10	
Nickel	EPA 6020	10K2789	0.50	2.0	**1.2**	1	11/22/10	11/23/10	J
Selenium	EPA 6020	10K2789	0.50	2.0	**2.7**	1	11/22/10	11/23/10	
Silver	EPA 6020	10K2789	0.10	1.0	ND	1	11/22/10	11/23/10	
Thallium	EPA 6020	10K2789	0.20	1.0	ND	1	11/22/10	11/23/10	
Vanadium	EPA 6020	10K2789	0.80	2.0	**20**	1	11/22/10	11/23/10	
Zinc	EPA 6020	10K2789	4.0	20	**22**	1	11/22/10	11/23/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Aluminum	EPA 6020	10K2789	8.5	10	**8.6**	1	11/22/10	11/24/10	J
Uranium	EPA 6020	10K2789	0.20	1.0	**20**	1	11/22/10	11/23/10	
Antimony	EPA 6020	10K2789	0.30	2.0	ND	1	11/22/10	11/23/10	
Arsenic	EPA 6020	10K2789	0.90	1.0	**60**	1	11/22/10	11/24/10	
Barium	EPA 6020	10K2789	0.30	1.0	**64**	1	11/22/10	11/23/10	
Beryllium	EPA 6020	10K2789	0.10	0.50	ND	1	11/22/10	11/24/10	M2
Cadmium	EPA 6020	10K2789	0.10	1.0	ND	1	11/22/10	11/23/10	
Chromium	EPA 6020	10K2789	0.90	2.0	**1900**	1	11/22/10	11/23/10	MHA
Cobalt	EPA 6020	10K2789	0.10	1.0	**1.5**	1	11/22/10	11/23/10	
Copper	EPA 6020	10K2789	0.50	2.0	**5.8**	1	11/22/10	11/23/10	
Lead	EPA 6020	10K2789	0.20	1.0	ND	1	11/22/10	11/23/10	
Manganese	EPA 6020	10K2789	0.70	1.0	**12**	1	11/22/10	11/23/10	
Molybdenum	EPA 6020	10K2789	0.20	2.0	**36**	1	11/22/10	11/23/10	
Nickel	EPA 6020	10K2789	0.50	2.0	**2.4**	1	11/22/10	11/23/10	
Selenium	EPA 6020	10K2789	0.50	2.0	**6.5**	1	11/22/10	11/23/10	
Silver	EPA 6020	10K2789	0.10	1.0	ND	1	11/22/10	11/23/10	
Thallium	EPA 6020	10K2789	0.20	1.0	ND	1	11/22/10	11/23/10	
Vanadium	EPA 6020	10K2789	0.80	2.0	**44**	1	11/22/10	11/23/10	
Zinc	EPA 6020	10K2789	4.0	20	**6.9**	1	11/22/10	11/23/10	M2, J

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Aluminum	EPA 6020	10K2790	8.5	10	**18**	1	11/22/10	11/24/10	
Uranium	EPA 6020	10K2790	0.20	1.0	**17**	1	11/22/10	11/23/10	
Antimony	EPA 6020	10K2790	0.30	2.0	**0.38**	1	11/22/10	11/23/10	J
Arsenic	EPA 6020	10K2790	0.90	1.0	**21**	1	11/22/10	11/23/10	
Barium	EPA 6020	10K2790	0.30	1.0	**74**	1	11/22/10	11/23/10	
Beryllium	EPA 6020	10K2790	0.10	0.50	ND	1	11/22/10	11/24/10	C
Cadmium	EPA 6020	10K2790	0.10	1.0	ND	1	11/22/10	11/23/10	
Chromium	EPA 6020	10K2790	0.90	2.0	**1.7**	1	11/22/10	11/23/10	J
Cobalt	EPA 6020	10K2790	0.10	1.0	**1.7**	1	11/22/10	11/23/10	
Copper	EPA 6020	10K2790	0.50	2.0	**19**	1	11/22/10	11/23/10	M2
Lead	EPA 6020	10K2790	0.20	1.0	ND	1	11/22/10	11/23/10	
Manganese	EPA 6020	10K2790	0.70	1.0	**250**	1	11/22/10	11/23/10	M1
Molybdenum	EPA 6020	10K2790	0.20	2.0	**26**	1	11/22/10	11/23/10	
Nickel	EPA 6020	10K2790	0.50	2.0	**2.1**	1	11/22/10	11/23/10	
Selenium	EPA 6020	10K2790	0.50	2.0	**2.7**	1	11/22/10	11/23/10	
Silver	EPA 6020	10K2790	0.10	1.0	ND	1	11/22/10	11/23/10	
Thallium	EPA 6020	10K2790	0.20	1.0	**0.74**	1	11/22/10	11/23/10	J
Vanadium	EPA 6020	10K2790	0.80	2.0	**13**	1	11/22/10	11/23/10	
Zinc	EPA 6020	10K2790	4.0	20	**16**	1	11/22/10	11/23/10	J

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

DISSOLVED INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2165	0.00025	0.0020	**0.0035**	1	11/17/10	11/17/10	H-1
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2165	0.025	0.20	**1.6**	100	11/17/10	11/17/10	H-1, MHA
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2165	0.00025	0.0020	ND	1	11/17/10	11/17/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2165	0.00025	0.0020	ND	1	11/17/10	11/17/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**100**	1	11/23/10	11/23/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**100**	1	11/23/10	11/23/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Bromide	EPA 9056	10K2203	0.70	1.0	ND	2	11/17/10	11/17/10	RL1
Chloride	EPA 9056	10K2203	25	50	**530**	100	11/17/10	11/17/10	
Orthophosphate - P	EPA 9056	10K2203	0.26	0.32	ND	2	11/17/10	11/17/10	RL1, C8
Phosphorus	EPA 365.3	10K3444	0.040	0.10	ND	2	11/29/10	11/29/10	P2, pH
Total Dissolved Solids	SM2540C	10K2438	2.0	20	**1500**	1	11/19/10	11/19/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**96**	1	11/23/10	11/23/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**96**	1	11/23/10	11/23/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Bromide	EPA 9056	10K2133	3.5	5.0	**4.8**	10	11/17/10	11/17/10	RL1, J
Chloride	EPA 9056	10K2133	120	250	**1600**	500	11/17/10	11/18/10	
Total Cyanide	EPA 9014	10K2390	0.017	0.025	ND	1	11/18/10	11/18/10	
Fluoride	EPA 9056	10K2133	1.5	5.0	**4.2**	10	11/17/10	11/17/10	RL1, J
Nitrate-N	EPA 9056	10K2133	0.60	1.1	**58**	10	11/17/10	11/17/10	
Nitrite-N	EPA 9056	10K2236	1.8	3.0	ND	20	11/17/10	11/18/10	M1, RL1
Orthophosphate - P	EPA 9056	10K2134	2.6	3.2	ND	20	11/17/10	11/18/10	C8, M1, RL1
Phosphorus	EPA 365.3	10K3444	0.040	0.10	ND	2	11/29/10	11/29/10	
Sulfate	EPA 9056	10K2133	100	250	**1800**	500	11/17/10	11/18/10	
Total Dissolved Solids	SM2540C	10K2438	10	100	**8400**	1	11/19/10	11/19/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**98**	1	11/23/10	11/23/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	**98**	1	11/23/10	11/23/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K2956	2.0	2.0	ND	1	11/23/10	11/23/10	
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Bromide	EPA 9056	10K2133	3.5	5.0	ND	10	11/17/10	11/17/10	RL1
Chloride	EPA 9056	10K2133	50	100	**1500**	200	11/17/10	11/18/10	
Total Cyanide	EPA 9014	10K2390	0.017	0.025	ND	1	11/18/10	11/18/10	
Fluoride	EPA 9056	10K2133	1.5	5.0	**4.2**	10	11/17/10	11/17/10	RL1, J
Nitrate-N	EPA 9056	10K2133	0.60	1.1	ND	10	11/17/10	11/17/10	RL1
Nitrite-N	EPA 9056	10K2236	0.90	1.5	ND	10	11/17/10	11/18/10	RL1
Orthophosphate - P	EPA 9056	10K2134	1.3	1.6	ND	10	11/17/10	11/18/10	C8, RL1
Phosphorus	EPA 365.3	10K3444	0.040	0.10	**0.042**	2	11/29/10	11/29/10	J
Sulfate	EPA 9056	10K2133	40	100	**1000**	200	11/17/10	11/18/10	
Total Dissolved Solids	SM2540C	10K2438	10	100	**4800**	1	11/19/10	11/19/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/l									
Total Cyanide	EPA 9014	10K2390	0.017	0.025	ND	1	11/18/10	11/18/10	
Nitrate-N	EPA 9056	10K2133	0.60	1.1	ND	10	11/17/10	11/17/10	RL3
Nitrite-N	EPA 9056	10K2236	0.90	1.5	ND	10	11/17/10	11/18/10	RL1
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: pH Units									
pH	EPA 9040B	10K2368	0.100	0.100	**7.69**	1	11/18/10	11/18/10	HFT
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: pH Units									
pH	EPA 9040B	10K2368	0.100	0.100	**7.80**	1	11/18/10	11/18/10	HFT

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

General Chemistry Parameters

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02RE1 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
Total Inorganic Carbon	SW846 9060	10L1302	0.500	1.00	**26.6**	1	12/07/10	12/07/10	
Sample ID: ITK1710-04RE1 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
Total Inorganic Carbon	SW846 9060	10L1302	0.500	1.00	**22.3**	1	12/07/10	12/07/10	
Sample ID: ITK1710-05RE1 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
Total Inorganic Carbon	SW846 9060	10L1302	0.500	1.00	**24.5**	1	12/07/10	12/07/10	
Sample ID: ITK1710-06RE1 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
Total Inorganic Carbon	SW846 9060	10L1302	0.500	1.00	**26.9**	1	12/07/10	12/07/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Aldehydes by EPA Method 8315A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Acetaldehyde	SW846 8315A	10K3685	29.0	50.0	**72.0**	1	11/19/10	11/19/10	
Formaldehyde	SW846 8315A	10K3685	27.0	50.0	ND	1	11/19/10	11/19/10	
Surrogate: Butyraldehyde (54-128%)					*84 %*				
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Acetaldehyde	SW846 8315A	10K3685	29.0	50.0	ND	1	11/19/10	11/19/10	
Formaldehyde	SW846 8315A	10K3685	27.0	50.0	ND	1	11/19/10	11/19/10	
Surrogate: Butyraldehyde (54-128%)					*81 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Anions by EPA Method 300.0/300.1/326

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0090	13	50	**73**	5	12/02/10	12/02/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0090	13	50	**390**	5	12/02/10	12/02/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0090	13	50	**220**	5	12/02/10	12/02/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	327484	0.00062	0.2	**0.0011**	0.96	11/23/10	12/16/10	Ca, J
PCB 105 (BZ)	EPA-14 1668	327484	0.00062	0.02	**0.001**	0.96	11/23/10	12/16/10	Ca, J, Q
PCB 11 (BZ)	EPA-14 1668	327484	0.0014	0.2	**0.053**	0.96	11/23/10	12/16/10	J, B
PCB 114 (BZ)	EPA-14 1668	327484	0.0006	0.02	ND	0.96	11/23/10	12/16/10	
PCB 118 (BZ)	EPA-14 1668	327484	0.00061	0.02	**0.0027**	0.96	11/23/10	12/16/10	Ca, J, Q, B
PCB 12 (BZ)	EPA-14 1668	327484	0.0014	0.2	**0.003**	0.96	11/23/10	12/16/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	327484	0.00062	0.02	ND	0.96	11/23/10	12/16/10	
PCB 126 (BZ)	EPA-14 1668	327484	0.00067	0.02	ND	0.96	11/23/10	12/16/10	
PCB 13 (BZ)	EPA-14 1668	327484	0.0014	0.2	**0.003**	0.96	11/23/10	12/16/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	327484	0.0013	0.2	ND	0.96	11/23/10	12/16/10	
PCB 15 (BZ)	EPA-14 1668	327484	0.00062	0.2	**0.0017**	0.96	11/23/10	12/16/10	J
PCB 156 (BZ)	EPA-14 1668	327484	0.00078	0.02	ND	0.96	11/23/10	12/16/10	
PCB 157 (BZ)	EPA-14 1668	327484	0.00076	0.02	ND	0.96	11/23/10	12/16/10	
PCB 167 (BZ)	EPA-14 1668	327484	0.0009	0.02	ND	0.96	11/23/10	12/16/10	
PCB 169 (BZ)	EPA-14 1668	327484	0.0008	0.02	ND	0.96	11/23/10	12/16/10	
PCB 189 (BZ)	EPA-14 1668	327484	0.00053	0.02	ND	0.96	11/23/10	12/16/10	
PCB 4 (BZ)	EPA-14 1668	327484	0.00062	0.2	**0.0011**	0.96	11/23/10	12/16/10	Ca, J
PCB 5 (BZ)	EPA-14 1668	327484	0.00061	0.2	**0.0039**	0.96	11/23/10	12/16/10	Ca, J
PCB 6 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.0022**	0.96	11/23/10	12/16/10	J
PCB 7 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.0019**	0.96	11/23/10	12/16/10	Ca, J
PCB 77 (BZ)	EPA-14 1668	327484	0.0005	0.02	ND	0.96	11/23/10	12/16/10	
PCB 8 (BZ)	EPA-14 1668	327484	0.00061	0.2	**0.0039**	0.96	11/23/10	12/16/10	Ca, J
PCB 81 (BZ)	EPA-14 1668	327484	0.00047	0.02	ND	0.96	11/23/10	12/16/10	
PCB 9 (BZ)	EPA-14 1668	327484	0.0013	0.2	**0.0019**	0.96	11/23/10	12/16/10	Ca, J
Surrogate: 13C12-PCB 105 (25-150%)					*86 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*83 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*81 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*97 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*76 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*92 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*84 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*104 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*103 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*85 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*82 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	327484	0.00056	0.2	**0.0039**	0.98	11/23/10	12/16/10	Ca, J
PCB 105 (BZ)	EPA-14 1668	327484	0.00066	0.02	ND	0.98	11/23/10	12/16/10	
PCB 11 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.14**	0.98	11/23/10	12/16/10	J, B
PCB 114 (BZ)	EPA-14 1668	327484	0.00063	0.02	ND	0.98	11/23/10	12/16/10	
PCB 118 (BZ)	EPA-14 1668	327484	0.00065	0.02	**0.0037**	0.98	11/23/10	12/16/10	Ca, J, B
PCB 12 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.0053**	0.98	11/23/10	12/16/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	327484	0.00065	0.02	ND	0.98	11/23/10	12/16/10	
PCB 126 (BZ)	EPA-14 1668	327484	0.00067	0.02	ND	0.98	11/23/10	12/16/10	
PCB 13 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.0053**	0.98	11/23/10	12/16/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	327484	0.0012	0.2	ND	0.98	11/23/10	12/16/10	
PCB 15 (BZ)	EPA-14 1668	327484	0.00056	0.2	**0.0028**	0.98	11/23/10	12/16/10	J
PCB 156 (BZ)	EPA-14 1668	327484	0.00075	0.02	ND	0.98	11/23/10	12/16/10	
PCB 157 (BZ)	EPA-14 1668	327484	0.00071	0.02	ND	0.98	11/23/10	12/16/10	
PCB 167 (BZ)	EPA-14 1668	327484	0.00078	0.02	ND	0.98	11/23/10	12/16/10	
PCB 169 (BZ)	EPA-14 1668	327484	0.00071	0.02	ND	0.98	11/23/10	12/16/10	
PCB 189 (BZ)	EPA-14 1668	327484	0.00068	0.02	ND	0.98	11/23/10	12/16/10	
PCB 4 (BZ)	EPA-14 1668	327484	0.00056	0.2	**0.0039**	0.98	11/23/10	12/16/10	Ca, J
PCB 5 (BZ)	EPA-14 1668	327484	0.00055	0.2	**0.0082**	0.98	11/23/10	12/16/10	Ca, J
PCB 6 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.013**	0.98	11/23/10	12/16/10	J
PCB 7 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.0087**	0.98	11/23/10	12/16/10	Ca, J
PCB 77 (BZ)	EPA-14 1668	327484	0.0006	0.02	ND	0.98	11/23/10	12/16/10	
PCB 8 (BZ)	EPA-14 1668	327484	0.00055	0.2	**0.0082**	0.98	11/23/10	12/16/10	Ca, J
PCB 81 (BZ)	EPA-14 1668	327484	0.00057	0.02	ND	0.98	11/23/10	12/16/10	
PCB 9 (BZ)	EPA-14 1668	327484	0.0012	0.2	**0.0087**	0.98	11/23/10	12/16/10	Ca, J
Surrogate: 13C12-PCB 105 (25-150%)					*96 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*91 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*87 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*108 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*71 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*95 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*97 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*113 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*114 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*91 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*87 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	327484	0.00047	0.2	**0.0051**	0.98	11/23/10	12/16/10	Ca, J
PCB 105 (BZ)	EPA-14 1668	327484	0.00061	0.02	**0.0025**	0.98	11/23/10	12/16/10	Ca, J
PCB 11 (BZ)	EPA-14 1668	327484	0.001	0.2	**0.32**	0.98	11/23/10	12/16/10	B
PCB 114 (BZ)	EPA-14 1668	327484	0.00059	0.02	ND	0.98	11/23/10	12/16/10	
PCB 118 (BZ)	EPA-14 1668	327484	0.00057	0.02	**0.0055**	0.98	11/23/10	12/16/10	Ca, J, B
PCB 12 (BZ)	EPA-14 1668	327484	0.0011	0.2	**0.0027**	0.98	11/23/10	12/16/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	327484	0.0006	0.02	ND	0.98	11/23/10	12/16/10	
PCB 126 (BZ)	EPA-14 1668	327484	0.00063	0.02	ND	0.98	11/23/10	12/16/10	
PCB 13 (BZ)	EPA-14 1668	327484	0.0011	0.2	**0.0027**	0.98	11/23/10	12/16/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	327484	0.00099	0.2	ND	0.98	11/23/10	12/16/10	
PCB 15 (BZ)	EPA-14 1668	327484	0.00047	0.2	**0.0044**	0.98	11/23/10	12/16/10	J
PCB 156 (BZ)	EPA-14 1668	327484	0.00069	0.02	ND	0.98	11/23/10	12/16/10	
PCB 157 (BZ)	EPA-14 1668	327484	0.00067	0.02	ND	0.98	11/23/10	12/16/10	
PCB 167 (BZ)	EPA-14 1668	327484	0.00079	0.02	ND	0.98	11/23/10	12/16/10	
PCB 169 (BZ)	EPA-14 1668	327484	0.0007	0.02	ND	0.98	11/23/10	12/16/10	
PCB 189 (BZ)	EPA-14 1668	327484	0.00059	0.02	ND	0.98	11/23/10	12/16/10	
PCB 4 (BZ)	EPA-14 1668	327484	0.00047	0.2	**0.0051**	0.98	11/23/10	12/16/10	Ca, J
PCB 5 (BZ)	EPA-14 1668	327484	0.00046	0.2	**0.0086**	0.98	11/23/10	12/16/10	Ca, J
PCB 6 (BZ)	EPA-14 1668	327484	0.00098	0.2	**0.0079**	0.98	11/23/10	12/16/10	J
PCB 7 (BZ)	EPA-14 1668	327484	0.00099	0.2	ND	0.98	11/23/10	12/16/10	
PCB 77 (BZ)	EPA-14 1668	327484	0.0011	0.02	ND	0.98	11/23/10	12/16/10	
PCB 8 (BZ)	EPA-14 1668	327484	0.00046	0.2	**0.0086**	0.98	11/23/10	12/16/10	Ca, J
PCB 81 (BZ)	EPA-14 1668	327484	0.0057	0.02	ND	0.98	11/23/10	12/16/10	
PCB 9 (BZ)	EPA-14 1668	327484	0.00099	0.2	ND	0.98	11/23/10	12/16/10	
Surrogate: 13C12-PCB 105 (25-150%)					*93 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*88 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*105 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*81 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*95 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*96 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*89 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*110 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*107 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*94 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*89 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SW846 6850-DISSx

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	16000	100000	**690000**	200000	12/06/10	12/10/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	4.1	25	**210**	50	12/06/10	12/10/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	20	120	**1600**	250	12/06/10	12/10/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	44242	0.16	2.4	ND	1	11/18/10	12/07/10	
Bolstar	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Chlorpyrifos	8141A STD	44242	0.34	1.4	ND	1	11/18/10	12/07/10	
Coumaphos	8141A STD	44242	0.13	0.95	ND	1	11/18/10	12/07/10	
Demeton, Total	8141A STD	44242	0.20	2.9	ND	1	11/18/10	12/07/10	
Diazinon	8141A STD	44242	0.14	0.48	ND	1	11/18/10	12/07/10	
Dichlorvos	8141A STD	44242	0.15	0.48	ND	1	11/18/10	12/07/10	
Dimethoate	8141A STD	44242	0.43	1.4	ND	1	11/18/10	12/07/10	
Disulfoton	8141A STD	44242	0.31	0.95	ND	1	11/18/10	12/07/10	
EPN	8141A STD	44242	0.14	1.1	ND	1	11/18/10	12/07/10	
Ethoprop	8141A STD	44242	0.17	1.4	ND	1	11/18/10	12/07/10	
Ethyl Parathion	8141A STD	44242	0.14	0.95	ND	1	11/18/10	12/07/10	
Famphur	8141A STD	44242	0.17	0.95	ND	1	11/18/10	12/07/10	
Fensulfothion	8141A STD	44242	0.52	2.4	ND	1	11/18/10	12/07/10	
Fenthion	8141A STD	44242	0.15	2.4	ND	1	11/18/10	12/07/10	
Malathion	8141A STD	44242	0.13	1.9	ND	1	11/18/10	12/07/10	
Merphos	8141A STD	44242	0.17	4.8	ND	1	11/18/10	12/07/10	
Methyl Carbophenothion	8141A STD	44242	0.076	0.76	ND	1	11/18/10	12/07/10	
Methyl parathion	8141A STD	44242	0.13	3.8	ND	1	11/18/10	12/07/10	
Mevinphos	8141A STD	44242	0.44	5.9	ND	1	11/18/10	12/07/10	
Naled	8141A STD	44242	0.24	1.9	ND	1	11/18/10	12/07/10	
o,o',o"-Triethylphosphorothioate	8141A STD	44242	0.14	0.48	ND	1	11/18/10	12/07/10	
Phorate	8141A STD	44242	0.15	1.1	ND	1	11/18/10	12/07/10	
Ronnel	8141A STD	44242	0.11	9.5	ND	1	11/18/10	12/07/10	
Sulfotepp	8141A STD	44242	0.16	1.4	ND	1	11/18/10	12/07/10	
Tetrachlorvinphos (Stirophos)	8141A STD	44242	0.12	3.3	ND	1	11/18/10	12/07/10	
Thionazin	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Tokuthion	8141A STD	44242	0.12	1.5	ND	1	11/18/10	12/07/10	
Trichloronate	8141A STD	44242	0.23	1.4	ND	1	11/18/10	12/07/10	
Surrogate: Chlormefos (49-171%)					*72 %*				
Surrogate: Triphenylphosphate (60-154%)					*118 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	44242	0.16	2.4	ND	1	11/18/10	12/07/10	
Bolstar	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Chlorpyrifos	8141A STD	44242	0.34	1.4	ND	1	11/18/10	12/07/10	
Coumaphos	8141A STD	44242	0.13	0.95	ND	1	11/18/10	12/07/10	
Demeton, Total	8141A STD	44242	0.20	2.8	ND	1	11/18/10	12/07/10	
Diazinon	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/07/10	
Dichlorvos	8141A STD	44242	0.15	0.47	ND	1	11/18/10	12/07/10	
Dimethoate	8141A STD	44242	0.43	1.4	ND	1	11/18/10	12/07/10	
Disulfoton	8141A STD	44242	0.31	0.95	ND	1	11/18/10	12/07/10	
EPN	8141A STD	44242	0.14	1.1	ND	1	11/18/10	12/07/10	
Ethoprop	8141A STD	44242	0.17	1.4	ND	1	11/18/10	12/07/10	
Ethyl Parathion	8141A STD	44242	0.14	0.95	ND	1	11/18/10	12/07/10	
Famphur	8141A STD	44242	0.17	0.95	ND	1	11/18/10	12/07/10	
Fensulfothion	8141A STD	44242	0.52	2.4	ND	1	11/18/10	12/07/10	
Fenthion	8141A STD	44242	0.15	2.4	ND	1	11/18/10	12/07/10	
Malathion	8141A STD	44242	0.13	1.9	ND	1	11/18/10	12/07/10	
Merphos	8141A STD	44242	0.17	4.7	ND	1	11/18/10	12/07/10	
Methyl Carbophenothion	8141A STD	44242	0.076	0.76	ND	1	11/18/10	12/07/10	
Methyl parathion	8141A STD	44242	0.13	3.8	ND	1	11/18/10	12/07/10	
Mevinphos	8141A STD	44242	0.44	5.9	ND	1	11/18/10	12/07/10	
Naled	8141A STD	44242	0.24	1.9	ND	1	11/18/10	12/07/10	
o,o',o"-Triethylphosphorothioate	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/07/10	
Phorate	8141A STD	44242	0.15	1.1	ND	1	11/18/10	12/07/10	
Ronnel	8141A STD	44242	0.11	9.5	ND	1	11/18/10	12/07/10	
Sulfotepp	8141A STD	44242	0.16	1.4	ND	1	11/18/10	12/07/10	
Tetrachlorvinphos (Stirophos)	8141A STD	44242	0.12	3.3	ND	1	11/18/10	12/07/10	
Thionazin	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Tokuthion	8141A STD	44242	0.12	1.5	ND	1	11/18/10	12/07/10	
Trichloronate	8141A STD	44242	0.23	1.4	ND	1	11/18/10	12/07/10	
Surrogate: Chlormefos (49-171%)					*73 %*				
Surrogate: Triphenylphosphate (60-154%)					*95 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	44242	0.16	2.4	ND	1	11/18/10	12/07/10	
Bolstar	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Chlorpyrifos	8141A STD	44242	0.34	1.4	ND	1	11/18/10	12/07/10	
Coumaphos	8141A STD	44242	0.13	0.95	ND	1	11/18/10	12/07/10	
Demeton, Total	8141A STD	44242	0.20	2.8	ND	1	11/18/10	12/07/10	
Diazinon	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/07/10	
Dichlorvos	8141A STD	44242	0.15	0.47	ND	1	11/18/10	12/07/10	
Dimethoate	8141A STD	44242	0.43	1.4	ND	1	11/18/10	12/07/10	
Disulfoton	8141A STD	44242	0.31	0.95	ND	1	11/18/10	12/07/10	
EPN	8141A STD	44242	0.14	1.1	ND	1	11/18/10	12/07/10	
Ethoprop	8141A STD	44242	0.17	1.4	ND	1	11/18/10	12/07/10	
Ethyl Parathion	8141A STD	44242	0.14	0.95	ND	1	11/18/10	12/07/10	
Famphur	8141A STD	44242	0.17	0.95	ND	1	11/18/10	12/07/10	
Fensulfothion	8141A STD	44242	0.52	2.4	ND	1	11/18/10	12/07/10	
Fenthion	8141A STD	44242	0.15	2.4	ND	1	11/18/10	12/07/10	
Malathion	8141A STD	44242	0.13	1.9	ND	1	11/18/10	12/07/10	
Merphos	8141A STD	44242	0.16	4.7	ND	1	11/18/10	12/07/10	
Methyl Carbophenothion	8141A STD	44242	0.076	0.76	ND	1	11/18/10	12/07/10	
Methyl parathion	8141A STD	44242	0.13	3.8	ND	1	11/18/10	12/07/10	
Mevinphos	8141A STD	44242	0.44	5.9	ND	1	11/18/10	12/07/10	
Naled	8141A STD	44242	0.24	1.9	ND	1	11/18/10	12/07/10	
o,o',o"-Triethylphosphorothioate	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/07/10	
Phorate	8141A STD	44242	0.15	1.1	ND	1	11/18/10	12/07/10	
Ronnel	8141A STD	44242	0.11	9.5	ND	1	11/18/10	12/07/10	
Sulfotepp	8141A STD	44242	0.16	1.4	ND	1	11/18/10	12/07/10	
Tetrachlorvinphos (Stirophos)	8141A STD	44242	0.12	3.3	ND	1	11/18/10	12/07/10	
Thionazin	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/07/10	
Tokuthion	8141A STD	44242	0.12	1.5	ND	1	11/18/10	12/07/10	
Trichloronate	8141A STD	44242	0.23	1.4	ND	1	11/18/10	12/07/10	
Surrogate: Chlormefos (49-171%)					*75 %*				
Surrogate: Triphenylphosphate (60-154%)					*130 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	44242	0.16	2.4	ND	1	11/18/10	12/08/10	
Bolstar	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/08/10	
Chlorpyrifos	8141A STD	44242	0.34	1.4	ND	1	11/18/10	12/08/10	
Coumaphos	8141A STD	44242	0.13	0.95	ND	1	11/18/10	12/08/10	
Demeton, Total	8141A STD	44242	0.20	2.8	ND	1	11/18/10	12/08/10	
Diazinon	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/08/10	
Dichlorvos	8141A STD	44242	0.15	0.47	ND	1	11/18/10	12/08/10	
Dimethoate	8141A STD	44242	0.43	1.4	ND	1	11/18/10	12/08/10	
Disulfoton	8141A STD	44242	0.31	0.95	ND	1	11/18/10	12/08/10	
EPN	8141A STD	44242	0.14	1.1	ND	1	11/18/10	12/08/10	
Ethoprop	8141A STD	44242	0.17	1.4	ND	1	11/18/10	12/08/10	
Ethyl Parathion	8141A STD	44242	0.14	0.95	ND	1	11/18/10	12/08/10	
Famphur	8141A STD	44242	0.17	0.95	ND	1	11/18/10	12/08/10	
Fensulfothion	8141A STD	44242	0.52	2.4	ND	1	11/18/10	12/08/10	
Fenthion	8141A STD	44242	0.15	2.4	ND	1	11/18/10	12/08/10	
Malathion	8141A STD	44242	0.13	1.9	ND	1	11/18/10	12/08/10	
Merphos	8141A STD	44242	0.16	4.7	ND	1	11/18/10	12/08/10	
Methyl Carbophenothion	8141A STD	44242	0.076	0.76	ND	1	11/18/10	12/08/10	
Methyl parathion	8141A STD	44242	0.13	3.8	ND	1	11/18/10	12/08/10	
Mevinphos	8141A STD	44242	0.44	5.9	ND	1	11/18/10	12/08/10	
Naled	8141A STD	44242	0.24	1.9	ND	1	11/18/10	12/08/10	
o,o',o"-Triethylphosphorothioate	8141A STD	44242	0.14	0.47	ND	1	11/18/10	12/08/10	
Phorate	8141A STD	44242	0.15	1.1	ND	1	11/18/10	12/08/10	
Ronnel	8141A STD	44242	0.11	9.5	ND	1	11/18/10	12/08/10	
Sulfotepp	8141A STD	44242	0.16	1.4	ND	1	11/18/10	12/08/10	
Tetrachlorvinphos (Stirophos)	8141A STD	44242	0.12	3.3	ND	1	11/18/10	12/08/10	
Thionazin	8141A STD	44242	0.30	0.95	ND	1	11/18/10	12/08/10	
Tokuthion	8141A STD	44242	0.12	1.5	ND	1	11/18/10	12/08/10	
Trichloronate	8141A STD	44242	0.23	1.4	ND	1	11/18/10	12/08/10	
Surrogate: Chlormefos (49-171%)					*51 %*				
Surrogate: Triphenylphosphate (60-154%)					*97 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

Alpha Acids

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.25	**7.7**	5	11/22/10	11/23/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/23/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/23/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	1.0	**29**	20	11/22/10	11/23/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/23/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	1.0	**21**	20	11/22/10	11/23/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/23/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SW846 6010B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1710-02 (MC-MW-36 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	1340	25000	**98500**	5	11/22/10	11/29/10	
Sample ID: ITK1710-04 (MC-MW-37 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	5340	100000	**669000**	20	11/22/10	11/29/10	
Sample ID: ITK1710-05 (MC-MW-38 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	2670	50000	**383000**	10	11/22/10	11/29/10	
Sample ID: ITK1710-06 (MC-MW-32 - Water)					**Sampled: 11/16/10**				
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	2670	50000	**561000**	10	11/22/10	11/29/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: MC-MW-36 (ITK1710-02) - Water					
EPA 7199	1	11/16/2010 07:00	11/17/2010 10:50	11/17/2010 12:30	11/17/2010 13:28
EPA 9056	2	11/16/2010 07:00	11/17/2010 10:50	11/17/2010 22:00	11/17/2010 23:24
Sample ID: MC-MW-37 (ITK1710-04) - Water					
EPA 7199	1	11/16/2010 10:15	11/17/2010 10:50	11/17/2010 12:30	11/17/2010 14:40
EPA 9040B	1	11/16/2010 10:15	11/17/2010 10:50	11/18/2010 10:00	11/18/2010 10:00
EPA 9056	2	11/16/2010 10:15	11/17/2010 10:50	11/17/2010 20:00	11/17/2010 20:08
Nitrite-N				11/17/2010 20:00	11/18/2010 01:16
Orthophosphate - P				11/17/2010 20:00	11/18/2010 04:13
SW846 8315A	3	11/16/2010 10:15	11/17/2010 10:50	11/19/2010 06:30	11/19/2010 19:09
Sample ID: MC-MW-38 (ITK1710-05) - Water					
EPA 7199	1	11/16/2010 13:15	11/17/2010 10:50	11/17/2010 12:30	11/17/2010 12:41
EPA 9040B	1	11/16/2010 13:15	11/17/2010 10:50	11/18/2010 10:00	11/18/2010 10:00
EPA 9056	2	11/16/2010 13:15	11/17/2010 10:50	11/17/2010 20:00	11/17/2010 20:25
Nitrite-N				11/17/2010 20:00	11/18/2010 02:02
Orthophosphate - P				11/17/2010 20:00	11/18/2010 05:07
SW846 8315A	3	11/16/2010 13:15	11/17/2010 10:50	11/19/2010 06:30	11/19/2010 19:26
Sample ID: MC-MW-32 (ITK1710-06) - Water					
EPA 7199	1	11/16/2010 15:30	11/17/2010 10:50	11/17/2010 12:30	11/17/2010 12:51
EPA 9056	2	11/16/2010 15:30	11/17/2010 10:50	11/17/2010 20:00	11/17/2010 20:41

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2583 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2583-BLK1)											
DRO (C10-C24)	ND	0.50	0.10	mg/l							
ORO (C25-C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C28)	ND	0.50	0.10	mg/l							
Surrogate: n-Octacosane	*0.149*			*mg/l*	*0.200*		*74*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2583-BS1)											
EFH (C10 - C28)	0.665	0.50	0.10	mg/l	1.00		66	40-115			
Surrogate: n-Octacosane	*0.153*			*mg/l*	*0.200*		*76*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2583-MS1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.625	0.48	0.095	mg/l	0.952	ND	66	40-120			
Surrogate: n-Octacosane	*0.142*			*mg/l*	*0.190*		*74*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2583-MSD1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.552	0.47	0.094	mg/l	0.943	ND	58	40-120	13	30	
Surrogate: n-Octacosane	*0.125*			*mg/l*	*0.189*		*66*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3007 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K3007-BLK1)											
Ethanol	ND	0.50	0.30	mg/l							
Methanol	ND	0.50	0.30	mg/l							
Surrogate: 1-Pentanol	*11.7*			*mg/l*	*10.0*		*117*	*70-130*			
LCS Analyzed: 11/23/2010 (10K3007-BS1)											
Ethanol	10.6	0.50	0.30	mg/l	10.0		106	80-120			
Methanol	10.0	0.50	0.30	mg/l	10.0		100	70-120			
Surrogate: 1-Pentanol	*11.7*			*mg/l*	*10.0*		*117*	*70-130*			
Matrix Spike Analyzed: 11/23/2010 (10K3007-MS1)						**Source: ITK1710-04**					
Ethanol	10.4	0.50	0.30	mg/l	10.0	ND	104	70-130			
Methanol	10.1	0.50	0.30	mg/l	10.0	ND	101	70-130			
Surrogate: 1-Pentanol	*11.5*			*mg/l*	*10.0*		*115*	*70-130*			
Matrix Spike Dup Analyzed: 11/24/2010 (10K3007-MSD1)						**Source: ITK1710-04**					
Ethanol	8.85	0.50	0.30	mg/l	10.0	ND	89	70-130	16	25	
Methanol	8.54	0.50	0.30	mg/l	10.0	ND	85	70-130	17	25	
Surrogate: 1-Pentanol	*10.8*			*mg/l*	*10.0*		*108*	*70-130*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID:	Henderson - SRC Water Program Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10 Received: 11/17/10
	Report Number:	ITK1710	

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2943 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2943-BLK1)											
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	25	ug/l							
Surrogate: 4-BFB (FID)	*10.1*			*ug/l*	*10.0*		*101*	*65-140*			
LCS Analyzed: 11/23/2010 (10K2943-BS1)											
Volatile Fuel Hydrocarbons (C6-C12)	821	50	25	ug/l	800		103	80-120			
Surrogate: 4-BFB (FID)	*13.4*			*ug/l*	*10.0*		*134*	*65-140*			
Matrix Spike Analyzed: 11/23/2010 (10K2943-MS1)						**Source: ITK1710-04**					
Volatile Fuel Hydrocarbons (C6-C12)	279	50	25	ug/l	220	ND	127	65-140			
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*65-140*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2943-MSD1)						**Source: ITK1710-04**					
Volatile Fuel Hydrocarbons (C6-C12)	283	50	25	ug/l	220	ND	129	65-140	1	20	
Surrogate: 4-BFB (FID)	*10.4*			*ug/l*	*10.0*		*104*	*65-140*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2264-BLK1)											
Acetone	ND	10	4.5	ug/l							
Benzene	ND	2.0	0.28	ug/l							
Bromobenzene	ND	5.0	0.27	ug/l							
Bromochloromethane	ND	5.0	0.40	ug/l							
Bromodichloromethane	ND	2.0	0.30	ug/l							
Bromoform	ND	5.0	0.40	ug/l							
Bromomethane	ND	5.0	0.42	ug/l							
2-Butanone (MEK)	ND	10	4.7	ug/l							
n-Butylbenzene	ND	2.0	0.37	ug/l							
sec-Butylbenzene	ND	5.0	0.25	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	0.50	ug/l							
tert-Butylbenzene	ND	5.0	0.22	ug/l							
Carbon Disulfide	ND	5.0	0.48	ug/l							
Carbon tetrachloride	ND	5.0	0.28	ug/l							
2,2,3-Trimethylbutane	ND	2.0	0.50	ug/l							
Chlorobenzene	ND	2.0	0.36	ug/l							
2,2-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroethane	ND	5.0	0.40	ug/l							
2,3-Dimethylpentane	ND	2.0	0.50	ug/l							
2,4-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroform	ND	2.0	0.33	ug/l							
Chloromethane	ND	5.0	0.40	ug/l							
2-Chlorotoluene	ND	5.0	0.28	ug/l							
4-Chlorotoluene	ND	5.0	0.29	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	0.97	ug/l							
2-Methylhexane	ND	2.0	0.50	ug/l							
3,3-Dimethylpentane	ND	2.0	0.50	ug/l							
Dibromochloromethane	ND	2.0	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	0.40	ug/l							
3-Ethylpentane	ND	2.0	0.50	ug/l							
3-Methylhexane	ND	2.0	0.50	ug/l							
Dibromomethane	ND	2.0	0.36	ug/l							
1,2-Dichlorobenzene	ND	2.0	0.32	ug/l							
1,3-Dichlorobenzene	ND	2.0	0.35	ug/l							
1,4-Dichlorobenzene	ND	2.0	0.37	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2264-BLK1)											
Dichlorodifluoromethane	ND	5.0	0.26	ug/l							
1,1-Dichloroethane	ND	2.0	0.40	ug/l							
1,2-Dichloroethane	ND	2.0	0.28	ug/l							
1,1-Dichloroethene	ND	5.0	0.42	ug/l							
cis-1,2-Dichloroethene	ND	2.0	0.32	ug/l							
trans-1,2-Dichloroethene	ND	2.0	0.30	ug/l							
1,2-Dichloropropane	ND	2.0	0.35	ug/l							
1,3-Dichloropropane	ND	5.0	0.32	ug/l							
2,2-Dichloropropane	ND	2.0	0.34	ug/l							
cis-1,3-Dichloropropene	ND	2.0	0.22	ug/l							
trans-1,3-Dichloropropene	ND	2.0	0.32	ug/l							
1,1-Dichloropropene	ND	2.0	0.28	ug/l							
Dimethyl disulfide	ND	2.0	0.50	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Hexachlorobutadiene	ND	5.0	0.38	ug/l							
2-Hexanone	ND	10	2.6	ug/l							
n-Heptane	ND	5.0	0.50	ug/l							
Nonanal	ND	5.0	1.5	ug/l							
Isopropylbenzene	ND	2.0	0.25	ug/l							
p-Isopropyltoluene	ND	2.0	0.28	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	3.5	ug/l							
Methylene chloride	ND	5.0	0.95	ug/l							
Naphthalene	ND	5.0	0.41	ug/l							
n-Propylbenzene	ND	2.0	0.27	ug/l							
Styrene	ND	2.0	0.20	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	0.27	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/l							
Tetrachloroethene	ND	2.0	0.32	ug/l							
Toluene	ND	2.0	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	0.48	ug/l							
1,1,1-Trichloroethane	ND	2.0	0.30	ug/l							
1,1,2-Trichloroethane	ND	2.0	0.30	ug/l							
Trichloroethene	ND	2.0	0.26	ug/l							
Trichlorofluoromethane	ND	5.0	0.34	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2264-BLK1)											
1,2,3-Trichloropropane	ND	10	0.40	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	0.23	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	0.26	ug/l							
Vinyl chloride	ND	2.0	0.40	ug/l							
m,p-Xylenes	ND	2.0	0.60	ug/l							
o-Xylene	ND	2.0	0.30	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
Surrogate: 4-Bromofluorobenzene	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
LCS Analyzed: 11/18/2010 (10K2264-BS1)											
Acetone	14.1	10	4.5	ug/l	25.0		57	30-140			
Benzene	23.5	2.0	0.28	ug/l	25.0		94	70-120			
Bromobenzene	24.8	5.0	0.27	ug/l	25.0		99	75-120			
Bromochloromethane	24.4	5.0	0.40	ug/l	25.0		97	70-130			
Bromodichloromethane	24.2	2.0	0.30	ug/l	25.0		97	70-135			
Bromoform	23.9	5.0	0.40	ug/l	25.0		96	55-130			
Bromomethane	26.6	5.0	0.42	ug/l	25.0		106	65-140			
2-Butanone (MEK)	23.3	10	4.7	ug/l	25.0		93	40-140			
n-Butylbenzene	23.6	2.0	0.37	ug/l	25.0		95	70-130			
sec-Butylbenzene	24.8	5.0	0.25	ug/l	25.0		99	70-125			
tert-Butylbenzene	24.1	5.0	0.22	ug/l	25.0		96	70-125			
Carbon Disulfide	26.2	5.0	0.48	ug/l	25.0		105	50-130			
Carbon tetrachloride	24.1	5.0	0.28	ug/l	25.0		96	65-140			
Chlorobenzene	24.2	2.0	0.36	ug/l	25.0		97	75-120			
Chloroethane	24.2	5.0	0.40	ug/l	25.0		97	60-140			
Chloroform	22.6	2.0	0.33	ug/l	25.0		90	70-130			
Chloromethane	20.2	5.0	0.40	ug/l	25.0		81	50-140			
2-Chlorotoluene	23.9	5.0	0.28	ug/l	25.0		96	70-125			
4-Chlorotoluene	24.5	5.0	0.29	ug/l	25.0		98	75-125			
1,2-Dibromo-3-chloropropane	22.7	5.0	0.97	ug/l	25.0		91	50-135			
Dibromochloromethane	26.5	2.0	0.40	ug/l	25.0		106	70-140			
1,2-Dibromoethane (EDB)	25.0	2.0	0.40	ug/l	25.0		100	75-125			
Dibromomethane	24.6	2.0	0.36	ug/l	25.0		98	70-125			
1,2-Dichlorobenzene	25.4	2.0	0.32	ug/l	25.0		102	75-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
LCS Analyzed: 11/18/2010 (10K2264-BS1)											
1,3-Dichlorobenzene	26.0	2.0	0.35	ug/l	25.0		104	75-120			
1,4-Dichlorobenzene	25.8	2.0	0.37	ug/l	25.0		103	75-120			
Dichlorodifluoromethane	23.9	5.0	0.26	ug/l	25.0		96	35-155			
1,1-Dichloroethane	23.3	2.0	0.40	ug/l	25.0		93	70-125			
1,2-Dichloroethane	21.8	2.0	0.28	ug/l	25.0		87	60-140			
1,1-Dichloroethene	24.9	5.0	0.42	ug/l	25.0		100	70-125			
cis-1,2-Dichloroethene	24.9	2.0	0.32	ug/l	25.0		100	70-125			
trans-1,2-Dichloroethene	25.0	2.0	0.30	ug/l	25.0		100	70-125			
1,2-Dichloropropane	24.7	2.0	0.35	ug/l	25.0		99	70-125			
1,3-Dichloropropane	25.0	5.0	0.32	ug/l	25.0		100	70-120			
2,2-Dichloropropane	24.8	2.0	0.34	ug/l	25.0		99	65-140			
cis-1,3-Dichloropropene	23.6	2.0	0.22	ug/l	25.0		94	75-125			
trans-1,3-Dichloropropene	24.7	2.0	0.32	ug/l	25.0		99	70-125			
1,1-Dichloropropene	23.9	2.0	0.28	ug/l	25.0		96	75-130			
Ethylbenzene	24.9	2.0	0.25	ug/l	25.0		100	75-125			
Hexachlorobutadiene	24.0	5.0	0.38	ug/l	25.0		96	65-135			
2-Hexanone	21.8	10	2.6	ug/l	25.0		87	45-140			
Isopropylbenzene	23.5	2.0	0.25	ug/l	25.0		94	75-130			
p-Isopropyltoluene	24.6	2.0	0.28	ug/l	25.0		98	75-125			
4-Methyl-2-pentanone (MIBK)	22.0	10	3.5	ug/l	25.0		88	45-140			
Methylene chloride	23.3	5.0	0.95	ug/l	25.0		93	55-130			
Naphthalene	25.4	5.0	0.41	ug/l	25.0		102	55-135			
n-Propylbenzene	24.6	2.0	0.27	ug/l	25.0		98	75-130			
Styrene	25.4	2.0	0.20	ug/l	25.0		102	75-130			
1,1,1,2-Tetrachloroethane	24.9	5.0	0.27	ug/l	25.0		100	70-130			
1,1,2,2-Tetrachloroethane	26.6	2.0	0.30	ug/l	25.0		106	55-130			
Tetrachloroethene	24.6	2.0	0.32	ug/l	25.0		99	70-125			
Toluene	23.8	2.0	0.36	ug/l	25.0		95	70-120			
1,2,3-Trichlorobenzene	25.0	5.0	0.30	ug/l	25.0		100	65-125			
1,2,4-Trichlorobenzene	24.5	5.0	0.48	ug/l	25.0		98	70-135			
1,1,1-Trichloroethane	23.3	2.0	0.30	ug/l	25.0		93	65-135			
1,1,2-Trichloroethane	25.4	2.0	0.30	ug/l	25.0		102	70-125			
Trichloroethene	24.0	2.0	0.26	ug/l	25.0		96	70-125			
Trichlorofluoromethane	26.4	5.0	0.34	ug/l	25.0		106	65-145			
1,2,3-Trichloropropane	23.8	10	0.40	ug/l	25.0		95	60-130			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
LCS Analyzed: 11/18/2010 (10K2264-BS1)											
1,2,4-Trimethylbenzene	24.6	2.0	0.23	ug/l	25.0		99	75-125			
1,3,5-Trimethylbenzene	24.7	2.0	0.26	ug/l	25.0		99	75-125			
Vinyl chloride	21.6	2.0	0.40	ug/l	25.0		86	55-135			
m,p-Xylenes	50.8	2.0	0.60	ug/l	50.0		102	75-125			
o-Xylene	25.0	2.0	0.30	ug/l	25.0		100	75-125			
Methyl-tert-butyl Ether (MTBE)	19.4	5.0	0.32	ug/l	25.0		78	60-135			
Surrogate: 4-Bromofluorobenzene	*23.4*			*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*24.4*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Analyzed: 11/18/2010 (10K2264-MS1)						**Source: ITK1710-03**					
Acetone	11.8	10	4.5	ug/l	25.0	ND	47	20-150			
Benzene	25.3	2.0	0.28	ug/l	25.0	ND	101	65-125			
Bromobenzene	25.2	5.0	0.27	ug/l	25.0	ND	101	70-125			
Bromochloromethane	26.0	5.0	0.40	ug/l	25.0	ND	104	65-135			
Bromodichloromethane	25.7	2.0	0.30	ug/l	25.0	ND	103	70-135			
Bromoform	24.3	5.0	0.40	ug/l	25.0	ND	97	55-135			
Bromomethane	27.5	5.0	0.42	ug/l	25.0	ND	110	55-145			
2-Butanone (MEK)	24.2	10	4.7	ug/l	25.0	ND	97	30-145			
n-Butylbenzene	24.5	2.0	0.37	ug/l	25.0	ND	98	65-135			
sec-Butylbenzene	25.7	5.0	0.25	ug/l	25.0	ND	103	70-125			
tert-Butylbenzene	24.9	5.0	0.22	ug/l	25.0	ND	100	65-130			
Carbon Disulfide	27.3	5.0	0.48	ug/l	25.0	ND	109	40-140			
Carbon tetrachloride	25.2	5.0	0.28	ug/l	25.0	ND	101	65-140			
Chlorobenzene	25.6	2.0	0.36	ug/l	25.0	ND	103	75-125			
Chloroethane	25.8	5.0	0.40	ug/l	25.0	ND	103	55-140			
Chloroform	24.4	2.0	0.33	ug/l	25.0	ND	97	65-135			
Chloromethane	21.8	5.0	0.40	ug/l	25.0	ND	87	45-145			
2-Chlorotoluene	24.0	5.0	0.28	ug/l	25.0	ND	96	65-135			
4-Chlorotoluene	24.5	5.0	0.29	ug/l	25.0	ND	98	70-135			
1,2-Dibromo-3-chloropropane	23.0	5.0	0.97	ug/l	25.0	ND	92	45-145			
Dibromochloromethane	27.7	2.0	0.40	ug/l	25.0	ND	111	65-140			
1,2-Dibromoethane (EDB)	25.8	2.0	0.40	ug/l	25.0	ND	103	70-130			
Dibromomethane	26.0	2.0	0.36	ug/l	25.0	ND	104	65-135			
1,2-Dichlorobenzene	26.2	2.0	0.32	ug/l	25.0	ND	105	75-125			
1,3-Dichlorobenzene	26.2	2.0	0.35	ug/l	25.0	ND	105	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/18/2010 (10K2264-MS1)						**Source: ITK1710-03**					
1,4-Dichlorobenzene	26.5	2.0	0.37	ug/l	25.0	ND	106	75-125			
Dichlorodifluoromethane	25.4	5.0	0.26	ug/l	25.0	ND	102	25-155			
1,1-Dichloroethane	24.5	2.0	0.40	ug/l	25.0	ND	98	65-130			
1,2-Dichloroethane	22.8	2.0	0.28	ug/l	25.0	ND	91	60-140			
1,1-Dichloroethene	25.4	5.0	0.42	ug/l	25.0	ND	102	60-130			
cis-1,2-Dichloroethene	26.7	2.0	0.32	ug/l	25.0	ND	107	65-130			
trans-1,2-Dichloroethene	25.9	2.0	0.30	ug/l	25.0	ND	104	65-130			
1,2-Dichloropropane	26.2	2.0	0.35	ug/l	25.0	ND	105	65-130			
1,3-Dichloropropane	25.6	5.0	0.32	ug/l	25.0	ND	102	65-135			
2,2-Dichloropropane	26.3	2.0	0.34	ug/l	25.0	ND	105	60-145			
cis-1,3-Dichloropropene	26.1	2.0	0.22	ug/l	25.0	ND	104	70-130			
trans-1,3-Dichloropropene	26.0	2.0	0.32	ug/l	25.0	ND	104	65-135			
1,1-Dichloropropene	24.7	2.0	0.28	ug/l	25.0	ND	99	70-135			
Ethylbenzene	25.0	2.0	0.25	ug/l	25.0	ND	100	65-130			
Hexachlorobutadiene	24.7	5.0	0.38	ug/l	25.0	ND	99	60-135			
2-Hexanone	21.2	10	2.6	ug/l	25.0	ND	85	25-140			
Isopropylbenzene	23.3	2.0	0.25	ug/l	25.0	ND	93	70-135			
p-Isopropyltoluene	24.7	2.0	0.28	ug/l	25.0	ND	99	65-130			
4-Methyl-2-pentanone (MIBK)	22.3	10	3.5	ug/l	25.0	ND	89	40-140			
Methylene chloride	23.8	5.0	0.95	ug/l	25.0	ND	95	50-135			
Naphthalene	25.8	5.0	0.41	ug/l	25.0	ND	103	50-140			
n-Propylbenzene	24.0	2.0	0.27	ug/l	25.0	ND	96	70-135			
Styrene	25.2	2.0	0.20	ug/l	25.0	ND	101	50-145			
1,1,1,2-Tetrachloroethane	25.0	5.0	0.27	ug/l	25.0	ND	100	65-140			
1,1,2,2-Tetrachloroethane	26.9	2.0	0.30	ug/l	25.0	ND	107	55-135			
Tetrachloroethene	25.2	2.0	0.32	ug/l	25.0	ND	101	65-130			
Toluene	25.4	2.0	0.36	ug/l	25.0	0.460	100	70-125			
1,2,3-Trichlorobenzene	26.5	5.0	0.30	ug/l	25.0	ND	106	60-135			
1,2,4-Trichlorobenzene	25.8	5.0	0.48	ug/l	25.0	ND	103	65-135			
1,1,1-Trichloroethane	24.8	2.0	0.30	ug/l	25.0	ND	99	65-140			
1,1,2-Trichloroethane	27.2	2.0	0.30	ug/l	25.0	ND	109	65-130			
Trichloroethene	25.6	2.0	0.26	ug/l	25.0	ND	103	65-125			
Trichlorofluoromethane	27.5	5.0	0.34	ug/l	25.0	ND	110	60-145			
1,2,3-Trichloropropane	23.9	10	0.40	ug/l	25.0	ND	96	55-135			
1,2,4-Trimethylbenzene	25.0	2.0	0.23	ug/l	25.0	ND	100	55-135			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/18/2010 (10K2264-MS1)						**Source: ITK1710-03**					
1,3,5-Trimethylbenzene	24.3	2.0	0.26	ug/l	25.0	ND	97	70-130			
Vinyl chloride	23.1	2.0	0.40	ug/l	25.0	ND	93	45-140			
m,p-Xylenes	50.9	2.0	0.60	ug/l	50.0	ND	102	65-130			
o-Xylene	26.4	2.0	0.30	ug/l	25.0	ND	105	65-125			
Methyl-tert-butyl Ether (MTBE)	20.5	5.0	0.32	ug/l	25.0	ND	82	55-145			
Surrogate: 4-Bromofluorobenzene	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 11/18/2010 (10K2264-MSD1)						**Source: ITK1710-03**					
Acetone	11.2	10	4.5	ug/l	25.0	ND	45	20-150	5	35	
Benzene	24.2	2.0	0.28	ug/l	25.0	ND	97	65-125	4	20	
Bromobenzene	25.2	5.0	0.27	ug/l	25.0	ND	101	70-125	0.08	20	
Bromochloromethane	25.8	5.0	0.40	ug/l	25.0	ND	103	65-135	0.6	25	
Bromodichloromethane	24.5	2.0	0.30	ug/l	25.0	ND	98	70-135	5	20	
Bromoform	23.8	5.0	0.40	ug/l	25.0	ND	95	55-135	2	25	
Bromomethane	27.3	5.0	0.42	ug/l	25.0	ND	109	55-145	0.8	25	
2-Butanone (MEK)	23.6	10	4.7	ug/l	25.0	ND	94	30-145	3	40	
n-Butylbenzene	24.9	2.0	0.37	ug/l	25.0	ND	100	65-135	2	20	
sec-Butylbenzene	25.8	5.0	0.25	ug/l	25.0	ND	103	70-125	0.6	20	
tert-Butylbenzene	24.9	5.0	0.22	ug/l	25.0	ND	100	65-130	0.04	20	
Carbon Disulfide	27.2	5.0	0.48	ug/l	25.0	ND	109	40-140	0.5	20	
Carbon tetrachloride	24.4	5.0	0.28	ug/l	25.0	ND	97	65-140	3	25	
Chlorobenzene	25.0	2.0	0.36	ug/l	25.0	ND	100	75-125	3	20	
Chloroethane	26.0	5.0	0.40	ug/l	25.0	ND	104	55-140	0.7	25	
Chloroform	24.2	2.0	0.33	ug/l	25.0	ND	97	65-135	0.7	20	
Chloromethane	22.2	5.0	0.40	ug/l	25.0	ND	89	45-145	2	25	
2-Chlorotoluene	24.6	5.0	0.28	ug/l	25.0	ND	98	65-135	2	20	
4-Chlorotoluene	24.7	5.0	0.29	ug/l	25.0	ND	99	70-135	0.7	20	
1,2-Dibromo-3-chloropropane	22.8	5.0	0.97	ug/l	25.0	ND	91	45-145	1	30	
Dibromochloromethane	26.9	2.0	0.40	ug/l	25.0	ND	108	65-140	3	25	
1,2-Dibromoethane (EDB)	25.2	2.0	0.40	ug/l	25.0	ND	101	70-130	2	25	
Dibromomethane	24.6	2.0	0.36	ug/l	25.0	ND	98	65-135	6	25	
1,2-Dichlorobenzene	27.1	2.0	0.32	ug/l	25.0	ND	108	75-125	4	20	
1,3-Dichlorobenzene	26.6	2.0	0.35	ug/l	25.0	ND	107	75-125	1	20	
1,4-Dichlorobenzene	26.6	2.0	0.37	ug/l	25.0	ND	107	75-125	0.4	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2264-MSD1)						**Source: ITK1710-03**					
Dichlorodifluoromethane	25.3	5.0	0.26	ug/l	25.0	ND	101	25-155	0.5	30	
1,1-Dichloroethane	24.3	2.0	0.40	ug/l	25.0	ND	97	65-130	0.8	20	
1,2-Dichloroethane	22.5	2.0	0.28	ug/l	25.0	ND	90	60-140	2	20	
1,1-Dichloroethene	25.4	5.0	0.42	ug/l	25.0	ND	102	60-130	0.2	20	
cis-1,2-Dichloroethene	26.7	2.0	0.32	ug/l	25.0	ND	107	65-130	0.1	20	
trans-1,2-Dichloroethene	25.8	2.0	0.30	ug/l	25.0	ND	103	65-130	0.7	20	
1,2-Dichloropropane	25.0	2.0	0.35	ug/l	25.0	ND	100	65-130	4	20	
1,3-Dichloropropane	24.9	5.0	0.32	ug/l	25.0	ND	100	65-135	2	25	
2,2-Dichloropropane	25.7	2.0	0.34	ug/l	25.0	ND	103	60-145	2	25	
cis-1,3-Dichloropropene	24.3	2.0	0.22	ug/l	25.0	ND	97	70-130	7	20	
trans-1,3-Dichloropropene	24.2	2.0	0.32	ug/l	25.0	ND	97	65-135	7	25	
1,1-Dichloropropene	23.3	2.0	0.28	ug/l	25.0	ND	93	70-135	6	20	
Ethylbenzene	24.6	2.0	0.25	ug/l	25.0	ND	98	65-130	2	20	
Hexachlorobutadiene	24.0	5.0	0.38	ug/l	25.0	ND	96	60-135	3	20	
2-Hexanone	19.7	10	2.6	ug/l	25.0	ND	79	25-140	7	35	
Isopropylbenzene	23.8	2.0	0.25	ug/l	25.0	ND	95	70-135	2	20	
p-Isopropyltoluene	24.3	2.0	0.28	ug/l	25.0	ND	97	65-130	2	20	
4-Methyl-2-pentanone (MIBK)	21.0	10	3.5	ug/l	25.0	ND	84	40-140	6	35	
Methylene chloride	24.3	5.0	0.95	ug/l	25.0	ND	97	50-135	2	20	
Naphthalene	26.7	5.0	0.41	ug/l	25.0	ND	107	50-140	4	30	
n-Propylbenzene	25.0	2.0	0.27	ug/l	25.0	ND	100	70-135	4	20	
Styrene	24.4	2.0	0.20	ug/l	25.0	ND	98	50-145	3	30	
1,1,1,2-Tetrachloroethane	24.9	5.0	0.27	ug/l	25.0	ND	99	65-140	0.4	20	
1,1,2,2-Tetrachloroethane	27.2	2.0	0.30	ug/l	25.0	ND	109	55-135	1	30	
Tetrachloroethene	24.9	2.0	0.32	ug/l	25.0	ND	100	65-130	1	20	
Toluene	24.8	2.0	0.36	ug/l	25.0	0.460	97	70-125	2	20	
1,2,3-Trichlorobenzene	26.8	5.0	0.30	ug/l	25.0	ND	107	60-135	1	20	
1,2,4-Trichlorobenzene	26.3	5.0	0.48	ug/l	25.0	ND	105	65-135	2	20	
1,1,1-Trichloroethane	24.6	2.0	0.30	ug/l	25.0	ND	98	65-140	1	20	
1,1,2-Trichloroethane	25.5	2.0	0.30	ug/l	25.0	ND	102	65-130	6	25	
Trichloroethene	24.1	2.0	0.26	ug/l	25.0	ND	96	65-125	6	20	
Trichlorofluoromethane	27.4	5.0	0.34	ug/l	25.0	ND	109	60-145	0.6	25	
1,2,3-Trichloropropane	23.7	10	0.40	ug/l	25.0	ND	95	55-135	1	30	
1,2,4-Trimethylbenzene	25.1	2.0	0.23	ug/l	25.0	ND	100	55-135	0.4	25	
1,3,5-Trimethylbenzene	24.2	2.0	0.26	ug/l	25.0	ND	97	70-130	0.3	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2264-MSD1)						**Source: ITK1710-03**					
Vinyl chloride	22.8	2.0	0.40	ug/l	25.0	ND	91	45-140	2	30	
m,p-Xylenes	51.2	2.0	0.60	ug/l	50.0	ND	102	65-130	0.6	25	
o-Xylene	25.4	2.0	0.30	ug/l	25.0	ND	102	65-125	4	20	
Methyl-tert-butyl Ether (MTBE)	19.9	5.0	0.32	ug/l	25.0	ND	80	55-145	3	25	
Surrogate: 4-Bromofluorobenzene	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Dibromofluoromethane	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID:	Henderson - SRC Water Program Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10 Received: 11/17/10
	Report Number:	ITK1710	

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2264 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2264-BLK1)											
Tentatively Identified Compounds	ND	120	N/A	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2928 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2928-BLK1)											
1,2-Dibromoethane (EDB)	ND	0.0099	0.0030	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.049	0.0030	ug/l							
Surrogate: 4-Bromofluorobenzene	*4.12*			*ug/l*	*3.95*		*104*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS1)											
1,2-Dibromoethane (EDB)	0.244	0.0099	0.0030	ug/l	0.247		99	70-130			
1,2-Dibromo-3-chloropropane	0.242	0.049	0.0030	ug/l	0.247		98	70-130			
Surrogate: 4-Bromofluorobenzene	*4.16*			*ug/l*	*3.95*		*105*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS2)											
1,2-Dibromoethane (EDB)	0.232	0.0099	0.0030	ug/l	0.247		94	70-130			
1,2-Dibromo-3-chloropropane	0.239	0.049	0.0030	ug/l	0.247		97	70-130			
Surrogate: 4-Bromofluorobenzene	*3.94*			*ug/l*	*3.95*		*100*	*50-150*			
LCS Dup Analyzed: 11/23/2010 (10K2928-BSD1)											
1,2-Dibromoethane (EDB)	0.110	0.0099	0.0030	ug/l	0.0987		111	70-130	12	20	
1,2-Dibromo-3-chloropropane	0.107	0.049	0.0030	ug/l	0.0987		108	70-130	10	20	
Surrogate: 4-Bromofluorobenzene	*4.29*			*ug/l*	*3.95*		*109*	*50-150*			
Matrix Spike Analyzed: 11/23/2010 (10K2928-MS1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.236	0.0099	0.0030	ug/l	0.248	ND	95	65-135			
1,2-Dibromo-3-chloropropane	0.231	0.050	0.0030	ug/l	0.248	ND	93	65-135			
Surrogate: 4-Bromofluorobenzene	*3.95*			*ug/l*	*3.96*		*100*	*50-150*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2928-MSD1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.230	0.0098	0.0029	ug/l	0.246	ND	93	65-135	2	20	
1,2-Dibromo-3-chloropropane	0.227	0.049	0.0029	ug/l	0.246	ND	92	65-135	1	20	
Surrogate: 4-Bromofluorobenzene	*3.80*			*ug/l*	*3.93*		*97*	*50-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
Acenaphthene	ND	10	3.0	ug/l							
Acenaphthylene	ND	10	3.0	ug/l							
Aniline	ND	10	3.5	ug/l							
Anthracene	ND	10	2.5	ug/l							
Benzo(a)anthracene	ND	10	2.5	ug/l							
Benzo(a)pyrene	ND	10	3.0	ug/l							
Benzo(b)fluoranthene	ND	10	2.0	ug/l							
Benzo(g,h,i)perylene	ND	10	4.0	ug/l							
Benzo(k)fluoranthene	ND	10	2.5	ug/l							
Benzoic acid	ND	20	10	ug/l							
Benzyl alcohol	ND	20	3.5	ug/l							
4-Bromophenyl phenyl ether	ND	10	3.0	ug/l							
Butyl benzyl phthalate	ND	20	4.0	ug/l							
4-Chloro-3-methylphenol	ND	20	2.5	ug/l							
4-Chloroaniline	ND	10	2.0	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.0	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	2.5	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	4.0	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	3.0	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.5	ug/l							
Chrysene	ND	10	2.5	ug/l							
Dibenz(a,h)anthracene	ND	20	3.0	ug/l							
Dibenzofuran	ND	10	4.0	ug/l							
Di-n-butyl phthalate	ND	20	3.0	ug/l							
1,2-Dichlorobenzene	ND	10	3.0	ug/l							
1,3-Dichlorobenzene	ND	10	3.0	ug/l							
1,4-Dichlorobenzene	ND	10	2.5	ug/l							
2,2'-/4,4'-Dichlorobenzil	ND	10	4.5	ug/l							
3,3'-Dichlorobenzidine	ND	20	7.5	ug/l							
2,4-Dichlorophenol	ND	10	3.5	ug/l							
Diethyl phthalate	ND	10	3.5	ug/l							
2,4-Dimethylphenol	ND	20	3.5	ug/l							
Dimethyl phthalate	ND	10	2.5	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
4,6-Dinitro-2-methylphenol	ND	20	4.0	ug/l							
2,4-Dinitrophenol	ND	20	8.0	ug/l							
2,4-Dinitrotoluene	ND	10	3.5	ug/l							
2,6-Dinitrotoluene	ND	10	2.0	ug/l							
Di-n-octyl phthalate	ND	20	3.5	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	2.5	ug/l							
Fluoranthene	ND	10	3.0	ug/l							
Fluorene	ND	10	3.0	ug/l							
Hexachlorobenzene	ND	10	3.0	ug/l							
Hexachlorobutadiene	ND	10	4.0	ug/l							
Hexachlorocyclopentadiene	ND	20	5.0	ug/l							
Hexachloroethane	ND	10	3.5	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	3.5	ug/l							
Isophorone	ND	10	3.0	ug/l							
2-Methylnaphthalene	ND	10	2.0	ug/l							
2-Methylphenol	ND	10	3.0	ug/l							
4-Methylphenol	ND	10	3.0	ug/l							
Naphthalene	ND	10	3.0	ug/l							
2-Nitroaniline	ND	20	2.0	ug/l							
3-Nitroaniline	ND	20	3.0	ug/l							
4-Nitroaniline	ND	20	4.0	ug/l							
Nitrobenzene	ND	20	3.0	ug/l							
2-Nitrophenol	ND	10	3.5	ug/l							
4-Nitrophenol	ND	20	5.5	ug/l							
N-Nitroso-di-n-propylamine	ND	10	3.5	ug/l							
N-Nitrosodimethylamine	ND	20	2.5	ug/l							
N-Nitrosodiphenylamine	ND	10	2.0	ug/l							
Pentachlorophenol	ND	20	3.5	ug/l							
Phenanthrene	ND	10	3.5	ug/l							
Phenol	ND	10	2.0	ug/l							
Pyrene	ND	10	4.0	ug/l							
Pyridine	ND	20	2.5	ug/l							
1,2,4-Trichlorobenzene	ND	10	2.5	ug/l							
2,4,5-Trichlorophenol	ND	20	3.0	ug/l							
2,4,6-Trichlorophenol	ND	20	4.5	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
n-Hydroxymethylphthalimide	ND	200	25	ug/l							
Octachlorostyrene	ND	20	6.5	ug/l							
Pentachlorobenzene	ND	10	3.0	ug/l							
Phenyl disulfide	ND	10	2.5	ug/l							
Phenyl sulfide	ND	10	2.5	ug/l							
Thiophenol	ND	200	30	ug/l							
4,4'-Dichlorobenzophenone	ND	10	2.5	ug/l							
4-Chlorobenzenethiol	ND	200	40	ug/l							
4-Chlorophenyl methyl sulfide	ND	10	3.5	ug/l							
4-Chlorophenyl methyl sulfone	ND	10	3.0	ug/l							
4-Chlorophenyl sulfone	ND	10	3.5	ug/l							
Benzophenone	ND	10	3.0	ug/l							
bis(4-chlorophenyl)disulfide	ND	10	4.0	ug/l							
Diphenyl sulfone	ND	10	3.0	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	3.0	ug/l							
Surrogate: 2,4,6-Tribromophenol	*181*			*ug/l*	*200*		*91*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*74.1*			*ug/l*	*100*		*74*	*50-120*			
Surrogate: 2-Fluorophenol	*146*			*ug/l*	*200*		*73*	*30-120*			
Surrogate: Nitrobenzene-d5	*77.0*			*ug/l*	*100*		*77*	*45-120*			
Surrogate: Phenol-d6	*159*			*ug/l*	*200*		*79*	*35-120*			
Surrogate: Terphenyl-d14	*86.7*			*ug/l*	*100*		*87*	*50-125*			
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
Acenaphthene	81.7	10	3.0	ug/l	100		82	60-120			
Acenaphthylene	89.7	10	3.0	ug/l	100		90	60-120			
Aniline	80.4	10	3.5	ug/l	100		80	35-120			
Anthracene	90.8	10	2.5	ug/l	100		91	65-120			
Benzo(a)anthracene	89.4	10	2.5	ug/l	100		89	65-120			
Benzo(a)pyrene	91.3	10	3.0	ug/l	100		91	55-130			
Benzo(b)fluoranthene	89.8	10	2.0	ug/l	100		90	55-125			
Benzo(g,h,i)perylene	90.8	10	4.0	ug/l	100		91	45-135			
Benzo(k)fluoranthene	92.4	10	2.5	ug/l	100		92	50-125			
Benzoic acid	58.4	20	10	ug/l	100		58	25-120			
Benzyl alcohol	78.2	20	3.5	ug/l	100		78	50-120			
4-Bromophenyl phenyl ether	94.3	10	3.0	ug/l	100		94	60-120			
Butyl benzyl phthalate	81.4	20	4.0	ug/l	100		81	55-130			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
4-Chloro-3-methylphenol	98.5	20	2.5	ug/l	100		98	60-120			
4-Chloroaniline	82.7	10	2.0	ug/l	100		83	55-120			
Bis(2-chloroethoxy)methane	83.9	10	3.0	ug/l	100		84	55-120			
Bis(2-chloroethyl)ether	77.1	10	3.0	ug/l	100		77	50-120			
Bis(2-chloroisopropyl)ether	64.8	10	2.5	ug/l	100		65	45-120			
Bis(2-ethylhexyl)phthalate	97.9	50	4.0	ug/l	100		98	65-130			
2-Chloronaphthalene	79.6	10	3.0	ug/l	100		80	60-120			
2-Chlorophenol	70.3	10	3.0	ug/l	100		70	45-120			
4-Chlorophenyl phenyl ether	102	10	2.5	ug/l	100		102	65-120			
Chrysene	87.7	10	2.5	ug/l	100		88	65-120			
Dibenz(a,h)anthracene	89.5	20	3.0	ug/l	100		90	50-135			
Dibenzofuran	88.7	10	4.0	ug/l	100		89	65-120			
Di-n-butyl phthalate	96.5	20	3.0	ug/l	100		96	60-125			
1,2-Dichlorobenzene	63.5	10	3.0	ug/l	100		64	40-120			
1,3-Dichlorobenzene	56.9	10	3.0	ug/l	100		57	35-120			
1,4-Dichlorobenzene	59.7	10	2.5	ug/l	100		60	35-120			
2,2'-/4,4'-Dichlorobenzil	96.1	10	4.5	ug/l	100		96	50-130			
3,3'-Dichlorobenzidine	72.0	20	7.5	ug/l	100		72	45-135			
2,4-Dichlorophenol	79.3	10	3.5	ug/l	100		79	55-120			
Diethyl phthalate	103	10	3.5	ug/l	100		103	55-120			
2,4-Dimethylphenol	67.2	20	3.5	ug/l	100		67	40-120			
Dimethyl phthalate	96.5	10	2.5	ug/l	100		96	30-120			
4,6-Dinitro-2-methylphenol	94.0	20	4.0	ug/l	100		94	45-120			
2,4-Dinitrophenol	86.1	20	8.0	ug/l	100		86	40-120			
2,4-Dinitrotoluene	105	10	3.5	ug/l	100		105	65-120			
2,6-Dinitrotoluene	96.7	10	2.0	ug/l	100		97	65-120			
Di-n-octyl phthalate	92.3	20	3.5	ug/l	100		92	65-135			
1,2-Diphenylhydrazine/Azobenzene	96.0	20	2.5	ug/l	100		96	60-120			
Fluoranthene	88.5	10	3.0	ug/l	100		88	60-120			
Fluorene	98.0	10	3.0	ug/l	100		98	65-120			
Hexachlorobenzene	92.1	10	3.0	ug/l	100		92	60-120			
Hexachlorobutadiene	68.1	10	4.0	ug/l	100		68	40-120			
Hexachlorocyclopentadiene	47.6	20	5.0	ug/l	100		48	25-120			
Hexachloroethane	56.8	10	3.5	ug/l	100		57	35-120			
Indeno(1,2,3-cd)pyrene	88.9	20	3.5	ug/l	100		89	45-135			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
Isophorone	92.1	10	3.0	ug/l	100		92	50-120			
2-Methylnaphthalene	85.1	10	2.0	ug/l	100		85	55-120			
2-Methylphenol	77.7	10	3.0	ug/l	100		78	50-120			
4-Methylphenol	83.8	10	3.0	ug/l	100		84	50-120			
Naphthalene	76.4	10	3.0	ug/l	100		76	55-120			
2-Nitroaniline	91.3	20	2.0	ug/l	100		91	65-120			
3-Nitroaniline	93.1	20	3.0	ug/l	100		93	60-120			
4-Nitroaniline	99.4	20	4.0	ug/l	100		99	55-125			
Nitrobenzene	82.1	20	3.0	ug/l	100		82	55-120			
2-Nitrophenol	75.4	10	3.5	ug/l	100		75	50-120			
4-Nitrophenol	115	20	5.5	ug/l	100		115	45-120			
N-Nitroso-di-n-propylamine	93.4	10	3.5	ug/l	100		93	45-120			
N-Nitrosodimethylamine	64.7	20	2.5	ug/l	100		65	45-120			
N-Nitrosodiphenylamine	94.5	10	2.0	ug/l	100		95	60-120			
Pentachlorophenol	97.0	20	3.5	ug/l	100		97	24-121			
Phenanthrene	90.0	10	3.5	ug/l	100		90	65-120			
Phenol	69.6	10	2.0	ug/l	100		70	40-120			
Pyrene	93.8	10	4.0	ug/l	100		94	55-125			
Pyridine	51.7	20	2.5	ug/l	100		52	30-120			
1,2,4-Trichlorobenzene	68.3	10	2.5	ug/l	100		68	45-120			
2,4,5-Trichlorophenol	83.2	20	3.0	ug/l	100		83	55-120			
2,4,6-Trichlorophenol	80.8	20	4.5	ug/l	100		81	55-120			
Surrogate: 2,4,6-Tribromophenol	*178*			*ug/l*	*200*		*89*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*79.0*			*ug/l*	*100*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*141*			*ug/l*	*200*		*71*	*30-120*			
Surrogate: Nitrobenzene-d5	*78.8*			*ug/l*	*100*		*79*	*45-120*			
Surrogate: Phenol-d6	*136*			*ug/l*	*200*		*68*	*35-120*			
Surrogate: Terphenyl-d14	*90.9*			*ug/l*	*100*		*91*	*50-125*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**						
Acenaphthene	55.6	9.5	2.9	ug/l	95.2	ND	58	60-120			*M2*
Acenaphthylene	47.2	9.5	2.9	ug/l	95.2	ND	50	60-120			*M2*
Aniline	ND	9.5	3.3	ug/l	95.2	ND		35-120			*M2*
Anthracene	67.8	9.5	2.4	ug/l	95.2	ND	71	65-120			
Benzo(a)anthracene	80.1	9.5	2.4	ug/l	95.2	ND	84	65-120			
Benzo(a)pyrene	71.8	9.5	2.9	ug/l	95.2	ND	75	55-130			
Benzo(b)fluoranthene	90.1	9.5	1.9	ug/l	95.2	ND	95	55-125			
Benzo(g,h,i)perylene	90.4	9.5	3.8	ug/l	95.2	ND	95	45-135			
Benzo(k)fluoranthene	90.9	9.5	2.4	ug/l	95.2	ND	95	55-125			
Benzoic acid	63.5	19	9.5	ug/l	95.2	ND	67	25-125			
Benzyl alcohol	80.5	19	3.3	ug/l	95.2	ND	85	40-120			
4-Bromophenyl phenyl ether	94.6	9.5	2.9	ug/l	95.2	ND	99	60-120			
Butyl benzyl phthalate	77.8	19	3.8	ug/l	95.2	ND	82	55-130			
4-Chloro-3-methylphenol	37.9	19	2.4	ug/l	95.2	ND	40	60-120			*M2*
4-Chloroaniline	ND	9.5	1.9	ug/l	95.2	ND		55-120			*M2*
Bis(2-chloroethoxy)methane	80.7	9.5	2.9	ug/l	95.2	ND	85	50-120			
Bis(2-chloroethyl)ether	72.4	9.5	2.9	ug/l	95.2	ND	76	50-120			
Bis(2-chloroisopropyl)ether	75.8	9.5	2.4	ug/l	95.2	ND	80	45-120			
Bis(2-ethylhexyl)phthalate	94.2	48	3.8	ug/l	95.2	ND	99	65-130			
2-Chloronaphthalene	72.6	9.5	2.9	ug/l	95.2	ND	76	60-120			
2-Chlorophenol	50.2	9.5	2.9	ug/l	95.2	ND	53	45-120			
4-Chlorophenyl phenyl ether	93.7	9.5	2.4	ug/l	95.2	ND	98	65-120			
Chrysene	83.5	9.5	2.4	ug/l	95.2	ND	88	65-120			
Dibenz(a,h)anthracene	85.8	19	2.9	ug/l	95.2	ND	90	45-135			
Dibenzofuran	81.4	9.5	3.8	ug/l	95.2	ND	86	65-120			
Di-n-butyl phthalate	94.6	19	2.9	ug/l	95.2	ND	99	60-125			
1,2-Dichlorobenzene	109	9.5	2.9	ug/l	95.2	ND	114	40-120			
1,3-Dichlorobenzene	65.3	9.5	2.9	ug/l	95.2	ND	69	35-120			
1,4-Dichlorobenzene	62.8	9.5	2.4	ug/l	95.2	ND	66	35-120			
2,2'-/4,4'-Dichlorobenzil	77.2	9.5	4.3	ug/l	95.2	ND	81	50-130			
3,3'-Dichlorobenzidine	ND	19	7.1	ug/l	95.2	ND		45-135			*M2*
2,4-Dichlorophenol	60.7	9.5	3.3	ug/l	95.2	ND	64	55-120			
Diethyl phthalate	94.4	9.5	3.3	ug/l	95.2	ND	99	55-120			
2,4-Dimethylphenol	ND	19	3.3	ug/l	95.2	ND		40-120			*M2*
Dimethyl phthalate	89.1	9.5	2.4	ug/l	95.2	ND	94	30-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**						
4,6-Dinitro-2-methylphenol	104	19	3.8	ug/l	95.2	ND	109	45-120			
2,4-Dinitrophenol	75.9	19	7.6	ug/l	95.2	ND	80	40-120			
2,4-Dinitrotoluene	95.0	9.5	3.3	ug/l	95.2	ND	100	65-120			
2,6-Dinitrotoluene	89.5	9.5	1.9	ug/l	95.2	ND	94	65-120			
Di-n-octyl phthalate	90.0	19	3.3	ug/l	95.2	ND	95	65-135			
1,2-Diphenylhydrazine/Azobenzene	80.2	19	2.4	ug/l	95.2	ND	84	60-120			
Fluoranthene	82.9	9.5	2.9	ug/l	95.2	ND	87	60-120			
Fluorene	87.8	9.5	2.9	ug/l	95.2	ND	92	65-120			
Hexachlorobenzene	93.8	9.5	2.9	ug/l	95.2	ND	99	60-120			
Hexachlorobutadiene	71.4	9.5	3.8	ug/l	95.2	ND	75	40-120			
Hexachlorocyclopentadiene	57.0	19	4.8	ug/l	95.2	ND	60	25-120			
Hexachloroethane	70.1	9.5	3.3	ug/l	95.2	ND	74	35-120			
Indeno(1,2,3-cd)pyrene	86.6	19	3.3	ug/l	95.2	ND	91	40-135			
Isophorone	101	9.5	2.9	ug/l	95.2	ND	106	50-120			
2-Methylnaphthalene	54.5	9.5	1.9	ug/l	95.2	ND	57	55-120			
2-Methylphenol	13.4	9.5	2.9	ug/l	95.2	ND	14	50-120			*M2*
4-Methylphenol	13.1	9.5	2.9	ug/l	95.2	ND	14	50-120			*M2*
Naphthalene	61.0	9.5	2.9	ug/l	95.2	ND	64	55-120			
2-Nitroaniline	27.7	19	1.9	ug/l	95.2	ND	29	65-120			*M2*
3-Nitroaniline	4.74	19	2.9	ug/l	95.2	ND	5	60-120			*M2, J*
4-Nitroaniline	9.35	19	3.8	ug/l	95.2	ND	10	55-125			*M2, J*
Nitrobenzene	195	19	2.9	ug/l	95.2	ND	205	55-120			*M1*
2-Nitrophenol	88.2	9.5	3.3	ug/l	95.2	ND	93	50-120			
4-Nitrophenol	128	19	5.2	ug/l	95.2	ND	134	45-120			*M1*
N-Nitroso-di-n-propylamine	106	9.5	3.3	ug/l	95.2	ND	111	45-120			
N-Nitrosodimethylamine	56.3	19	2.4	ug/l	95.2	ND	59	45-120			
N-Nitrosodiphenylamine	32.3	9.5	1.9	ug/l	95.2	ND	34	60-120			*M2*
Pentachlorophenol	93.4	19	3.3	ug/l	95.2	ND	98	24-121			
Phenanthrene	79.3	9.5	3.3	ug/l	95.2	ND	83	65-120			
Phenol	10.6	9.5	1.9	ug/l	95.2	ND	11	40-120			*M2*
Pyrene	66.8	9.5	3.8	ug/l	95.2	ND	70	55-125			
Pyridine	44.0	19	2.4	ug/l	95.2	ND	46	30-120			
1,2,4-Trichlorobenzene	70.6	9.5	2.4	ug/l	95.2	ND	74	45-120			
2,4,5-Trichlorophenol	73.0	19	2.9	ug/l	95.2	ND	77	55-120			
2,4,6-Trichlorophenol	78.1	19	4.3	ug/l	95.2	ND	82	55-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**						
Surrogate: 2,4,6-Tribromophenol	*102*			*ug/l*	*190*		*54*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*75.5*			*ug/l*	*95.2*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*59.9*			*ug/l*	*190*		*31*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.3*			*ug/l*	*95.2*		*92*	*45-120*			
Surrogate: Phenol-d6	*14.3*			*ug/l*	*190*		*8*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*46.6*			*ug/l*	*95.2*		*49*	*50-125*			*Z*
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**						
Acenaphthene	55.9	9.5	2.9	ug/l	95.2	ND	59	60-120	0.4	25	*M2*
Acenaphthylene	54.9	9.5	2.9	ug/l	95.2	ND	58	60-120	15	25	*M2*
Aniline	ND	9.5	3.3	ug/l	95.2	ND		35-120		30	*M2*
Anthracene	63.4	9.5	2.4	ug/l	95.2	ND	67	65-120	7	25	
Benzo(a)anthracene	78.2	9.5	2.4	ug/l	95.2	ND	82	65-120	2	20	
Benzo(a)pyrene	66.0	9.5	2.9	ug/l	95.2	ND	69	55-130	8	25	
Benzo(b)fluoranthene	84.0	9.5	1.9	ug/l	95.2	ND	88	55-125	7	25	
Benzo(g,h,i)perylene	87.0	9.5	3.8	ug/l	95.2	ND	91	45-135	4	30	
Benzo(k)fluoranthene	90.2	9.5	2.4	ug/l	95.2	ND	95	55-125	0.7	30	
Benzoic acid	59.2	19	9.5	ug/l	95.2	ND	62	25-125	7	30	
Benzyl alcohol	76.2	19	3.3	ug/l	95.2	ND	80	40-120	5	30	
4-Bromophenyl phenyl ether	91.0	9.5	2.9	ug/l	95.2	ND	96	60-120	4	25	
Butyl benzyl phthalate	75.1	19	3.8	ug/l	95.2	ND	79	55-130	4	25	
4-Chloro-3-methylphenol	33.9	19	2.4	ug/l	95.2	ND	36	60-120	11	25	*M2*
4-Chloroaniline	ND	9.5	1.9	ug/l	95.2	ND		55-120		25	*M2*
Bis(2-chloroethoxy)methane	77.1	9.5	2.9	ug/l	95.2	ND	81	50-120	5	25	
Bis(2-chloroethyl)ether	72.0	9.5	2.9	ug/l	95.2	ND	76	50-120	0.6	25	
Bis(2-chloroisopropyl)ether	59.4	9.5	2.4	ug/l	95.2	ND	62	45-120	24	25	
Bis(2-ethylhexyl)phthalate	89.5	48	3.8	ug/l	95.2	ND	94	65-130	5	25	
2-Chloronaphthalene	80.8	9.5	2.9	ug/l	95.2	ND	85	60-120	11	20	
2-Chlorophenol	46.7	9.5	2.9	ug/l	95.2	ND	49	45-120	7	25	
4-Chlorophenyl phenyl ether	90.3	9.5	2.4	ug/l	95.2	ND	95	65-120	4	25	
Chrysene	79.5	9.5	2.4	ug/l	95.2	ND	83	65-120	5	25	
Dibenz(a,h)anthracene	83.0	19	2.9	ug/l	95.2	ND	87	45-135	3	30	
Dibenzofuran	78.6	9.5	3.8	ug/l	95.2	ND	83	65-120	4	25	
Di-n-butyl phthalate	95.2	19	2.9	ug/l	95.2	ND	100	60-125	0.6	25	
1,2-Dichlorobenzene	99.4	9.5	2.9	ug/l	95.2	ND	104	40-120	9	25	
1,3-Dichlorobenzene	65.4	9.5	2.9	ug/l	95.2	ND	69	35-120	0.1	25	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**						
1,4-Dichlorobenzene	62.9	9.5	2.4	ug/l	95.2	ND	66	35-120	0.2	25	
2,2'-/4,4'-Dichlorobenzil	73.3	9.5	4.3	ug/l	95.2	ND	77	50-130	5	30	
3,3'-Dichlorobenzidine	ND	19	7.1	ug/l	95.2	ND		45-135		25	*M2*
2,4-Dichlorophenol	54.9	9.5	3.3	ug/l	95.2	ND	58	55-120	10	25	
Diethyl phthalate	93.8	9.5	3.3	ug/l	95.2	ND	98	55-120	0.6	30	
2,4-Dimethylphenol	ND	19	3.3	ug/l	95.2	ND		40-120		25	*M2*
Dimethyl phthalate	99.8	9.5	2.4	ug/l	95.2	ND	105	30-120	11	30	
4,6-Dinitro-2-methylphenol	96.6	19	3.8	ug/l	95.2	ND	101	45-120	7	25	
2,4-Dinitrophenol	65.1	19	7.6	ug/l	95.2	ND	68	40-120	15	25	
2,4-Dinitrotoluene	94.3	9.5	3.3	ug/l	95.2	ND	99	65-120	0.7	25	
2,6-Dinitrotoluene	101	9.5	1.9	ug/l	95.2	ND	106	65-120	12	20	
Di-n-octyl phthalate	86.6	19	3.3	ug/l	95.2	ND	91	65-135	4	20	
1,2-Diphenylhydrazine/Azobenzene	77.8	19	2.4	ug/l	95.2	ND	82	60-120	3	25	
Fluoranthene	84.6	9.5	2.9	ug/l	95.2	ND	89	60-120	2	25	
Fluorene	85.0	9.5	2.9	ug/l	95.2	ND	89	65-120	3	25	
Hexachlorobenzene	89.7	9.5	2.9	ug/l	95.2	ND	94	60-120	5	25	
Hexachlorobutadiene	70.7	9.5	3.8	ug/l	95.2	ND	74	40-120	1	25	
Hexachlorocyclopentadiene	61.8	19	4.8	ug/l	95.2	ND	65	25-120	8	30	
Hexachloroethane	61.7	9.5	3.3	ug/l	95.2	ND	65	35-120	13	25	
Indeno(1,2,3-cd)pyrene	81.4	19	3.3	ug/l	95.2	ND	85	40-135	6	30	
Isophorone	82.6	9.5	2.9	ug/l	95.2	ND	87	50-120	20	25	
2-Methylnaphthalene	63.7	9.5	1.9	ug/l	95.2	ND	67	55-120	16	20	
2-Methylphenol	9.77	9.5	2.9	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3*
4-Methylphenol	9.43	9.5	2.9	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3, J*
Naphthalene	57.5	9.5	2.9	ug/l	95.2	ND	60	55-120	6	25	
2-Nitroaniline	29.5	19	1.9	ug/l	95.2	ND	31	65-120	6	25	*M2*
3-Nitroaniline	ND	19	2.9	ug/l	95.2	ND		60-120		25	*M2*
4-Nitroaniline	5.28	19	3.8	ug/l	95.2	ND	6	55-125	56	25	*M2, R-3, J*
Nitrobenzene	169	19	2.9	ug/l	95.2	ND	177	55-120	15	25	*M1*
2-Nitrophenol	72.2	9.5	3.3	ug/l	95.2	ND	76	50-120	20	25	
4-Nitrophenol	111	19	5.2	ug/l	95.2	ND	117	45-120	14	30	
N-Nitroso-di-n-propylamine	86.7	9.5	3.3	ug/l	95.2	ND	91	45-120	20	25	
N-Nitrosodimethylamine	57.8	19	2.4	ug/l	95.2	ND	61	45-120	3	25	
N-Nitrosodiphenylamine	11.2	9.5	1.9	ug/l	95.2	ND	12	60-120	97	25	*M2, R-3*
Pentachlorophenol	88.5	19	3.3	ug/l	95.2	ND	93	24-121	5	25	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)					**Source: ITK1710-04**						
Phenanthrene	77.8	9.5	3.3	ug/l	95.2	ND	82	65-120	2	25	
Phenol	7.14	9.5	1.9	ug/l	95.2	ND	8	40-120	39	25	*M2, R-3, J*
Pyrene	64.7	9.5	3.8	ug/l	95.2	ND	68	55-125	3	25	
Pyridine	46.8	19	2.4	ug/l	95.2	ND	49	30-120	6	30	
1,2,4-Trichlorobenzene	68.6	9.5	2.4	ug/l	95.2	ND	72	45-120	3	20	
2,4,5-Trichlorophenol	77.3	19	2.9	ug/l	95.2	ND	81	55-120	6	30	
2,4,6-Trichlorophenol	83.9	19	4.3	ug/l	95.2	ND	88	55-120	7	30	
Surrogate: 2,4,6-Tribromophenol	*91.2*			*ug/l*	*190*		*48*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*84.0*			*ug/l*	*95.2*		*88*	*50-120*			
Surrogate: 2-Fluorophenol	*52.2*			*ug/l*	*190*		*27*	*30-120*			*Z*
Surrogate: Nitrobenzene-d5	*74.9*			*ug/l*	*95.2*		*79*	*45-120*			
Surrogate: Phenol-d6	*9.16*			*ug/l*	*190*		*5*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*47.2*			*ug/l*	*95.2*		*50*	*50-125*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2644 Extracted: 11/20/10											
Blank Analyzed: 11/22/2010 (10K2644-BLK1)											
1,4-Dioxane	ND	1.0	0.30	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.17*			*ug/l*	*2.00*		*58*	*30-120*			
LCS Analyzed: 11/22/2010 (10K2644-BS1)											
1,4-Dioxane	1.24	1.0	0.30	ug/l	2.00		62	35-120			
Surrogate: 1,4-Dioxane-d8	*1.26*			*ug/l*	*2.00*		*63*	*30-120*			
Matrix Spike Analyzed: 11/22/2010 (10K2644-MS1)						**Source: ITK1710-04**					
1,4-Dioxane	1.62	0.96	0.29	ug/l	1.92	0.467	60	35-120			
Surrogate: 1,4-Dioxane-d8	*1.36*			*ug/l*	*1.92*		*71*	*30-120*			
Matrix Spike Dup Analyzed: 11/22/2010 (10K2644-MSD1)						**Source: ITK1710-04**					
1,4-Dioxane	1.64	0.94	0.28	ug/l	1.89	0.467	62	35-120	1	25	
Surrogate: 1,4-Dioxane-d8	*1.33*			*ug/l*	*1.89*		*71*	*30-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2767 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2767-BLK1)											
Dichloroacetaldehyde	ND	350	40	ug/l							
Trichloroacetaldehyde	ND	150	27	ug/l							
Surrogate: 1,4-Dioxane-d8	*371*			*ug/l*	*667*		*56*	*20-120*			
LCS Analyzed: 11/23/2010 (10K2767-BS1)											
Dichloroacetaldehyde	299	350	40	ug/l	667		45	10-120			*J*
Trichloroacetaldehyde	711	150	27	ug/l	667		107	20-120			
Surrogate: 1,4-Dioxane-d8	*403*			*ug/l*	*667*		*60*	*20-120*			
Matrix Spike Analyzed: 11/23/2010 (10K2767-MS1)						**Source: ITK1710-04**					
Dichloroacetaldehyde	270	350	40	ug/l	667	ND	40	10-120			*J*
Trichloroacetaldehyde	613	150	27	ug/l	667	ND	92	20-120			
Surrogate: 1,4-Dioxane-d8	*351*			*ug/l*	*667*		*53*	*20-120*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2767-MSD1)						**Source: ITK1710-04**					
Dichloroacetaldehyde	285	350	40	ug/l	667	ND	43	10-120	5	30	*J*
Trichloroacetaldehyde	609	150	27	ug/l	667	ND	91	20-120	0.7	30	
Surrogate: 1,4-Dioxane-d8	*330*			*ug/l*	*667*		*50*	*20-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/24/2010 (10K2349-BLK1)											
Tentatively Identified Compounds	ND	50	N/A	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
2,4'-DDD	ND	0.10	0.020	ug/l							
2,4'-DDE	ND	0.10	0.020	ug/l							
2,4'-DDT	ND	0.10	0.020	ug/l							
4,4'-DDD	ND	0.10	0.030	ug/l							
4,4'-DDE	ND	0.10	0.030	ug/l							
4,4'-DDT	ND	0.10	0.030	ug/l							
Aldrin	ND	0.10	0.030	ug/l							
alpha-BHC	ND	0.10	0.020	ug/l							
beta-BHC	ND	0.10	0.040	ug/l							
delta-BHC	ND	0.20	0.020	ug/l							
Dieldrin	ND	0.10	0.030	ug/l							
Endosulfan I	ND	0.10	0.030	ug/l							
Endosulfan II	ND	0.10	0.040	ug/l							
Endosulfan sulfate	ND	0.20	0.050	ug/l							
Endrin	ND	0.10	0.030	ug/l							
Endrin aldehyde	ND	0.10	0.050	ug/l							
Endrin ketone	ND	0.10	0.040	ug/l							
gamma-BHC (Lindane)	ND	0.10	0.030	ug/l							
Heptachlor	ND	0.10	0.030	ug/l							
Heptachlor epoxide	ND	0.10	0.030	ug/l							
Methoxychlor	ND	0.10	0.040	ug/l							
Chlordane	ND	1.0	0.30	ug/l							
Toxaphene	ND	5.0	0.80	ug/l							
Surrogate: Decachlorobiphenyl	*0.471*			*ug/l*	*0.500*		*94*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.408*			*ug/l*	*0.500*		*82*	*35-120*			
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
2,4'-DDD	0.439	0.10	0.020	ug/l	0.500		88	55-120			
2,4'-DDE	0.443	0.10	0.020	ug/l	0.500		89	50-120			
2,4'-DDT	0.491	0.10	0.020	ug/l	0.500		98	55-120			
4,4'-DDD	0.520	0.10	0.030	ug/l	0.500		104	55-120			
4,4'-DDE	0.515	0.10	0.030	ug/l	0.500		103	50-120			
4,4'-DDT	0.614	0.10	0.030	ug/l	0.500		123	55-120			*L*
Aldrin	0.488	0.10	0.030	ug/l	0.500		98	40-115			
alpha-BHC	0.473	0.10	0.020	ug/l	0.500		95	45-115			
beta-BHC	0.503	0.10	0.040	ug/l	0.500		101	55-115			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
delta-BHC	0.535	0.20	0.020	ug/l	0.500		107	55-115			
Dieldrin	0.519	0.10	0.030	ug/l	0.500		104	55-115			
Endosulfan I	0.480	0.10	0.030	ug/l	0.500		96	55-115			
Endosulfan II	0.497	0.10	0.040	ug/l	0.500		99	55-120			
Endosulfan sulfate	0.556	0.20	0.050	ug/l	0.500		111	60-120			
Endrin	0.507	0.10	0.030	ug/l	0.500		101	55-115			
Endrin aldehyde	0.509	0.10	0.050	ug/l	0.500		102	50-120			
Endrin ketone	0.542	0.10	0.040	ug/l	0.500		108	55-120			
gamma-BHC (Lindane)	0.482	0.10	0.030	ug/l	0.500		96	45-115			
Heptachlor	0.525	0.10	0.030	ug/l	0.500		105	45-115			
Heptachlor epoxide	0.483	0.10	0.030	ug/l	0.500		97	55-115			
Methoxychlor	0.495	0.10	0.040	ug/l	0.500		99	60-120			
Surrogate: Decachlorobiphenyl	*0.454*			*ug/l*	*0.500*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.405*			*ug/l*	*0.500*		*81*	*35-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
2,4'-DDD	0.412	0.094	0.019	ug/l	0.472	ND	87	50-125			
2,4'-DDE	0.413	0.094	0.019	ug/l	0.472	ND	88	45-125			
2,4'-DDT	0.466	0.094	0.019	ug/l	0.472	ND	99	50-125			
4,4'-DDD	0.490	0.094	0.028	ug/l	0.472	ND	104	50-125			
4,4'-DDE	0.481	0.094	0.028	ug/l	0.472	ND	102	45-125			
4,4'-DDT	0.590	0.094	0.028	ug/l	0.472	ND	125	50-125			
Aldrin	0.521	0.094	0.028	ug/l	0.472	ND	110	35-120			
alpha-BHC	0.441	0.094	0.019	ug/l	0.472	ND	93	40-120			
beta-BHC	0.464	0.094	0.038	ug/l	0.472	ND	98	50-120			
delta-BHC	0.490	0.19	0.019	ug/l	0.472	ND	104	50-120			
Dieldrin	0.484	0.094	0.028	ug/l	0.472	ND	103	50-120			
Endosulfan I	0.443	0.094	0.028	ug/l	0.472	ND	94	50-120			
Endosulfan II	0.469	0.094	0.038	ug/l	0.472	ND	99	50-125			
Endosulfan sulfate	0.527	0.19	0.047	ug/l	0.472	ND	112	55-125			
Endrin	0.476	0.094	0.028	ug/l	0.472	ND	101	50-120			
Endrin aldehyde	0.479	0.094	0.047	ug/l	0.472	ND	102	45-125			
Endrin ketone	0.495	0.094	0.038	ug/l	0.472	ND	105	50-125			
gamma-BHC (Lindane)	0.456	0.094	0.028	ug/l	0.472	ND	97	40-120			
Heptachlor	0.531	0.094	0.028	ug/l	0.472	ND	113	40-120			
Heptachlor epoxide	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
Methoxychlor	0.493	0.094	0.038	ug/l	0.472	ND	105	55-125			
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.360*			*ug/l*	*0.472*		*76*	*35-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD1)						**Source: ITK1710-04**					
2,4'-DDD	0.414	0.094	0.019	ug/l	0.472	ND	88	50-125	0.5	30	
2,4'-DDE	0.416	0.094	0.019	ug/l	0.472	ND	88	45-125	0.6	30	
2,4'-DDT	0.468	0.094	0.019	ug/l	0.472	ND	99	50-125	0.4	30	
4,4'-DDD	0.492	0.094	0.028	ug/l	0.472	ND	104	50-125	0.4	30	
4,4'-DDE	0.485	0.094	0.028	ug/l	0.472	ND	103	45-125	1	30	
4,4'-DDT	0.591	0.094	0.028	ug/l	0.472	ND	125	50-125	0.1	30	
Aldrin	0.529	0.094	0.028	ug/l	0.472	ND	112	35-120	2	30	
alpha-BHC	0.443	0.094	0.019	ug/l	0.472	ND	94	40-120	0.5	30	
beta-BHC	0.468	0.094	0.038	ug/l	0.472	ND	99	50-120	0.8	30	
delta-BHC	0.492	0.19	0.019	ug/l	0.472	ND	104	50-120	0.4	30	
Dieldrin	0.488	0.094	0.028	ug/l	0.472	ND	103	50-120	0.8	30	
Endosulfan I	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Endosulfan II	0.470	0.094	0.038	ug/l	0.472	ND	100	50-125	0.3	30	
Endosulfan sulfate	0.521	0.19	0.047	ug/l	0.472	ND	111	55-125	1	30	
Endrin	0.478	0.094	0.028	ug/l	0.472	ND	101	50-120	0.4	30	
Endrin aldehyde	0.488	0.094	0.047	ug/l	0.472	ND	103	45-125	2	30	
Endrin ketone	0.500	0.094	0.038	ug/l	0.472	ND	106	50-125	0.9	30	
gamma-BHC (Lindane)	0.459	0.094	0.028	ug/l	0.472	ND	97	40-120	0.6	30	
Heptachlor	0.537	0.094	0.028	ug/l	0.472	ND	114	40-120	1	30	
Heptachlor epoxide	0.449	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Methoxychlor	0.494	0.094	0.038	ug/l	0.472	ND	105	55-125	0.2	30	
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.365*			*ug/l*	*0.472*		*77*	*35-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
Aroclor 1016	ND	1.0	0.25	ug/l							
Aroclor 1221	ND	1.0	0.25	ug/l							
Aroclor 1232	ND	1.0	0.25	ug/l							
Aroclor 1242	ND	1.0	0.25	ug/l							
Aroclor 1248	ND	1.0	0.25	ug/l							
Aroclor 1254	ND	1.0	0.25	ug/l							
Aroclor 1260	ND	1.0	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.418*			*ug/l*	*0.500*		*84*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2443-BS2)											
Aroclor 1016	3.64	1.0	0.25	ug/l	4.00		91	50-115			
Aroclor 1260	3.70	1.0	0.25	ug/l	4.00		93	60-120			
Surrogate: Decachlorobiphenyl	*0.451*			*ug/l*	*0.500*		*90*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS2)					**Source: ITK1710-04**						
Aroclor 1016	3.36	0.94	0.24	ug/l	3.77	ND	89	45-120			
Aroclor 1260	3.39	0.94	0.24	ug/l	3.77	ND	90	55-125			
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD2)					**Source: ITK1710-04**						
Aroclor 1016	3.44	0.94	0.24	ug/l	3.77	ND	91	45-120	2	30	
Aroclor 1260	3.44	0.94	0.24	ug/l	3.77	ND	91	55-125	2	25	
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2779 Extracted: 11/22/10											
Blank Analyzed: 11/23/2010 (10K2779-BLK1)											
Boron	0.0267	0.050	0.020	mg/l							*J*
Calcium	ND	0.10	0.050	mg/l							
Iron	ND	0.040	0.015	mg/l							
Lithium	ND	0.050	0.030	mg/l							
Magnesium	ND	0.020	0.012	mg/l							
Phosphorus	ND	0.040	0.020	mg/l							
Potassium	ND	0.50	0.37	mg/l							
Sodium	ND	0.50	0.19	mg/l							
Strontium	ND	0.020	0.0050	mg/l							
Tin	ND	0.10	0.012	mg/l							
Titanium	ND	0.0050	0.0020	mg/l							
LCS Analyzed: 11/23/2010 (10K2779-BS1)											
Boron	1.03	0.050	0.020	mg/l	1.00		103	80-120			
Calcium	4.96	0.10	0.050	mg/l	5.00		99	80-120			
Iron	0.974	0.040	0.015	mg/l	1.00		97	80-120			
Lithium	0.985	0.050	0.030	mg/l	1.00		99	80-120			
Magnesium	4.97	0.020	0.012	mg/l	5.00		99	80-120			
Phosphorus	0.913	0.040	0.020	mg/l	1.00		91	80-120			
Potassium	9.84	0.50	0.37	mg/l	10.0		98	80-120			
Sodium	10.0	0.50	0.19	mg/l	10.0		100	80-120			
Strontium	0.998	0.020	0.0050	mg/l	1.00		100	80-120			
Tin	0.929	0.10	0.012	mg/l	1.00		93	80-120			
Titanium	0.982	0.0050	0.0020	mg/l	1.00		98	80-120			
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2779-MS1)						**Source: ITK1710-04**					
Boron	10.6	0.050	0.020	mg/l	1.00	9.51	109	75-125			*MHA*
Calcium	587	0.20	0.10	mg/l	5.00	574	247	75-125			*MHA*
Iron	0.957	0.040	0.015	mg/l	1.00	ND	96	75-125			
Lithium	0.907	0.050	0.030	mg/l	1.00	0.247	66	75-125			*M2*
Magnesium	273	0.020	0.012	mg/l	5.00	263	215	75-125			*MHA*
Phosphorus	1.12	0.040	0.020	mg/l	1.00	0.103	102	75-125			
Potassium	37.5	0.50	0.37	mg/l	10.0	25.9	116	75-125			
Sodium	1400	1.0	0.38	mg/l	10.0	1350	497	75-125			*MHA*
Strontium	16.1	0.020	0.0050	mg/l	1.00	14.9	122	75-125			*MHA*
Tin	0.970	0.10	0.012	mg/l	1.00	0.0447	92	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2779 Extracted: 11/22/10											
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2779-MS1)						**Source: ITK1710-04**					
Titanium	1.01	0.0050	0.0020	mg/l	1.00	ND	101	75-125			
Matrix Spike Dup Analyzed: 11/23/2010-11/24/2010 (10K2779-MSD1)						**Source: ITK1710-04**					
Boron	10.3	0.050	0.020	mg/l	1.00	9.51	83	75-125	2	20	*MHA*
Calcium	571	0.20	0.10	mg/l	5.00	574	-59	75-125	3	20	*MHA*
Iron	0.939	0.040	0.015	mg/l	1.00	ND	94	75-125	2	20	
Lithium	0.892	0.050	0.030	mg/l	1.00	0.247	64	75-125	2	20	*M2*
Magnesium	265	0.020	0.012	mg/l	5.00	263	52	75-125	3	20	*MHA*
Phosphorus	1.10	0.040	0.020	mg/l	1.00	0.103	99	75-125	3	20	
Potassium	36.5	0.50	0.37	mg/l	10.0	25.9	106	75-125	3	20	
Sodium	1400	1.0	0.38	mg/l	10.0	1350	492	75-125	0.03	20	*MHA*
Strontium	15.8	0.020	0.0050	mg/l	1.00	14.9	95	75-125	2	20	*MHA*
Tin	0.944	0.10	0.012	mg/l	1.00	0.0447	90	75-125	3	20	
Titanium	0.992	0.0050	0.0020	mg/l	1.00	ND	99	75-125	2	20	
Batch: 10K2789 Extracted: 11/22/10											
Blank Analyzed: 11/23/2010-11/24/2010 (10K2789-BLK1)											
Aluminum	ND	10	8.5	ug/l							
Uranium	ND	1.0	0.20	ug/l							
Antimony	ND	2.0	0.30	ug/l							
Arsenic	ND	1.0	0.90	ug/l							
Barium	ND	1.0	0.30	ug/l							
Beryllium	ND	0.50	0.10	ug/l							
Cadmium	ND	1.0	0.10	ug/l							
Chromium	1.00	2.0	0.90	ug/l							*J*
Cobalt	ND	1.0	0.10	ug/l							
Copper	ND	2.0	0.50	ug/l							
Lead	ND	1.0	0.20	ug/l							
Manganese	ND	1.0	0.70	ug/l							
Molybdenum	ND	2.0	0.20	ug/l							
Nickel	ND	2.0	0.50	ug/l							
Selenium	ND	2.0	0.50	ug/l							
Silver	ND	1.0	0.10	ug/l							
Thallium	ND	1.0	0.20	ug/l							
Vanadium	ND	2.0	0.80	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2789 Extracted: 11/22/10											
Blank Analyzed: 11/23/2010-11/24/2010 (10K2789-BLK1)											
Zinc	ND	20	4.0	ug/l							
LCS Analyzed: 11/23/2010-11/24/2010 (10K2789-BS1)											
Aluminum	82.8	10	8.5	ug/l	80.0		104	80-120			
Uranium	76.2	1.0	0.20	ug/l	80.0		95	85-115			
Antimony	75.9	2.0	0.30	ug/l	80.0		95	80-120			
Arsenic	81.7	1.0	0.90	ug/l	80.0		102	80-120			
Barium	76.4	1.0	0.30	ug/l	80.0		96	80-120			
Beryllium	88.1	0.50	0.10	ug/l	80.0		110	80-120			
Cadmium	78.5	1.0	0.10	ug/l	80.0		98	80-120			
Chromium	86.6	2.0	0.90	ug/l	80.0		108	80-120			
Cobalt	81.7	1.0	0.10	ug/l	80.0		102	80-120			
Copper	79.8	2.0	0.50	ug/l	80.0		100	80-120			
Lead	78.0	1.0	0.20	ug/l	80.0		98	80-120			
Manganese	85.4	1.0	0.70	ug/l	80.0		107	80-120			
Molybdenum	75.7	2.0	0.20	ug/l	80.0		95	80-120			
Nickel	80.4	2.0	0.50	ug/l	80.0		101	80-120			
Selenium	78.0	2.0	0.50	ug/l	80.0		98	80-120			
Silver	87.4	1.0	0.10	ug/l	80.0		109	80-120			
Thallium	77.7	1.0	0.20	ug/l	80.0		97	80-120			
Vanadium	87.5	2.0	0.80	ug/l	80.0		109	80-120			
Zinc	76.2	20	4.0	ug/l	80.0		95	80-120			
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2789-MS1)						**Source: ITK1710-04**					
Aluminum	75.7	10	8.5	ug/l	80.0	8.56	84	75-125			
Uranium	90.2	1.0	0.20	ug/l	80.0	20.4	87	70-130			
Antimony	84.9	2.0	0.30	ug/l	80.0	ND	106	75-125			
Arsenic	143	1.0	0.90	ug/l	80.0	60.5	103	75-125			
Barium	148	1.0	0.30	ug/l	80.0	64.1	105	75-125			
Beryllium	53.4	0.50	0.10	ug/l	80.0	ND	67	75-125			*M2*
Cadmium	75.9	1.0	0.10	ug/l	80.0	ND	95	75-125			
Chromium	1940	2.0	0.90	ug/l	80.0	1870	88	75-125			*MHA*
Cobalt	81.1	1.0	0.10	ug/l	80.0	1.53	99	75-125			
Copper	74.2	2.0	0.50	ug/l	80.0	5.79	85	75-125			
Lead	66.3	1.0	0.20	ug/l	80.0	ND	83	75-125			
Manganese	96.1	1.0	0.70	ug/l	80.0	12.4	105	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2789 Extracted: 11/22/10											
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2789-MS1)						**Source: ITK1710-04**					
Molybdenum	124	2.0	0.20	ug/l	80.0	35.6	110	75-125			
Nickel	75.0	2.0	0.50	ug/l	80.0	2.35	91	75-125			
Selenium	88.5	2.0	0.50	ug/l	80.0	6.53	103	75-125			
Silver	81.0	1.0	0.10	ug/l	80.0	ND	101	75-125			
Thallium	68.6	1.0	0.20	ug/l	80.0	ND	86	75-125			
Vanadium	141	2.0	0.80	ug/l	80.0	43.9	121	75-125			
Zinc	65.8	20	4.0	ug/l	80.0	6.90	74	75-125			*M2*
Matrix Spike Dup Analyzed: 11/23/2010-11/24/2010 (10K2789-MSD1)						**Source: ITK1710-04**					
Aluminum	77.8	10	8.5	ug/l	80.0	8.56	87	75-125	3	20	
Uranium	90.7	1.0	0.20	ug/l	80.0	20.4	88	70-130	0.6	20	
Antimony	84.4	2.0	0.30	ug/l	80.0	ND	105	75-125	0.6	20	
Arsenic	143	1.0	0.90	ug/l	80.0	60.5	103	75-125	0.2	20	
Barium	143	1.0	0.30	ug/l	80.0	64.1	99	75-125	3	20	
Beryllium	51.1	0.50	0.10	ug/l	80.0	ND	64	75-125	4	20	*M2*
Cadmium	74.2	1.0	0.10	ug/l	80.0	ND	93	75-125	2	20	
Chromium	1930	2.0	0.90	ug/l	80.0	1870	69	75-125	0.8	20	*MHA*
Cobalt	79.0	1.0	0.10	ug/l	80.0	1.53	97	75-125	3	20	
Copper	72.9	2.0	0.50	ug/l	80.0	5.79	84	75-125	2	20	
Lead	66.4	1.0	0.20	ug/l	80.0	ND	83	75-125	0.3	20	
Manganese	95.0	1.0	0.70	ug/l	80.0	12.4	103	75-125	1	20	
Molybdenum	122	2.0	0.20	ug/l	80.0	35.6	108	75-125	2	20	
Nickel	72.2	2.0	0.50	ug/l	80.0	2.35	87	75-125	4	20	
Selenium	87.4	2.0	0.50	ug/l	80.0	6.53	101	75-125	1	20	
Silver	78.7	1.0	0.10	ug/l	80.0	ND	98	75-125	3	20	
Thallium	68.6	1.0	0.20	ug/l	80.0	ND	86	75-125	0.08	20	
Vanadium	135	2.0	0.80	ug/l	80.0	43.9	114	75-125	4	20	
Zinc	66.6	20	4.0	ug/l	80.0	6.90	75	75-125	1	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2790 Extracted: 11/22/10											
Blank Analyzed: 11/23/2010-11/24/2010 (10K2790-BLK1)											
Aluminum	ND	10	8.5	ug/l							
Uranium	ND	1.0	0.20	ug/l							
Antimony	ND	2.0	0.30	ug/l							
Arsenic	ND	1.0	0.90	ug/l							
Barium	ND	1.0	0.30	ug/l							
Beryllium	ND	0.50	0.10	ug/l							
Cadmium	ND	1.0	0.10	ug/l							
Chromium	1.27	2.0	0.90	ug/l							*J*
Cobalt	ND	1.0	0.10	ug/l							
Copper	0.685	2.0	0.50	ug/l							*J*
Lead	ND	1.0	0.20	ug/l							
Manganese	ND	1.0	0.70	ug/l							
Molybdenum	ND	2.0	0.20	ug/l							
Nickel	ND	2.0	0.50	ug/l							
Selenium	ND	2.0	0.50	ug/l							
Silver	ND	1.0	0.10	ug/l							
Thallium	ND	1.0	0.20	ug/l							
Vanadium	ND	2.0	0.80	ug/l							
Zinc	ND	20	4.0	ug/l							
LCS Analyzed: 11/23/2010-11/24/2010 (10K2790-BS1)											
Aluminum	83.5	10	8.5	ug/l	80.0		104	80-120			
Uranium	75.6	1.0	0.20	ug/l	80.0		94	85-115			
Antimony	76.7	2.0	0.30	ug/l	80.0		96	80-120			
Arsenic	78.5	1.0	0.90	ug/l	80.0		98	80-120			
Barium	77.9	1.0	0.30	ug/l	80.0		97	80-120			
Beryllium	91.4	0.50	0.10	ug/l	80.0		114	80-120			
Cadmium	77.8	1.0	0.10	ug/l	80.0		97	80-120			
Chromium	87.2	2.0	0.90	ug/l	80.0		109	80-120			
Cobalt	82.5	1.0	0.10	ug/l	80.0		103	80-120			
Copper	81.6	2.0	0.50	ug/l	80.0		102	80-120			
Lead	79.0	1.0	0.20	ug/l	80.0		99	80-120			
Manganese	85.5	1.0	0.70	ug/l	80.0		107	80-120			
Molybdenum	77.5	2.0	0.20	ug/l	80.0		97	80-120			
Nickel	81.7	2.0	0.50	ug/l	80.0		102	80-120			
Selenium	80.1	2.0	0.50	ug/l	80.0		100	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2790 Extracted: 11/22/10											
LCS Analyzed: 11/23/2010-11/24/2010 (10K2790-BS1)											
Silver	88.8	1.0	0.10	ug/l	80.0		111	80-120			
Thallium	78.5	1.0	0.20	ug/l	80.0		98	80-120			
Vanadium	87.8	2.0	0.80	ug/l	80.0		110	80-120			
Zinc	77.5	20	4.0	ug/l	80.0		97	80-120			
Duplicate Analyzed: 11/23/2010-11/24/2010 (10K2790-DUP1)						**Source: ITK2058-12**					
Aluminum	34900	2500	2100	ug/l		35700			2	200	
Uranium	ND	250	50	ug/l		ND				200	
Antimony	ND	500	75	ug/l		51.8				200	
Arsenic	ND	250	220	ug/l		ND				200	
Barium	742	250	75	ug/l		751			1	200	
Beryllium	ND	120	25	ug/l		ND				200	
Cadmium	222	250	25	ug/l		232			4	200	*J*
Chromium	700	500	220	ug/l		442			45	200	
Cobalt	240	250	25	ug/l		239			0.7	200	*J*
Copper	69100	500	120	ug/l		71800			4	200	
Lead	977	250	50	ug/l		973			0.5	200	
Manganese	1200	250	180	ug/l		1220			2	200	
Molybdenum	523	500	50	ug/l		531			2	200	
Nickel	1300	500	120	ug/l		1320			1	200	
Selenium	ND	500	120	ug/l		ND				200	
Silver	458	250	25	ug/l		459			0.3	200	
Thallium	ND	250	50	ug/l		ND				200	
Vanadium	ND	500	200	ug/l		65.2				200	
Zinc	96000	5000	1000	ug/l		101000			6	200	
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2790-MS1)						**Source: ITK1710-05**					
Aluminum	81.4	10	8.5	ug/l	80.0	18.3	79	75-125			
Uranium	89.9	1.0	0.20	ug/l	80.0	17.1	91	70-130			
Antimony	83.1	2.0	0.30	ug/l	80.0	0.384	103	75-125			
Arsenic	96.4	1.0	0.90	ug/l	80.0	21.1	94	75-125			
Barium	157	1.0	0.30	ug/l	80.0	73.9	104	75-125			
Beryllium	66.0	0.50	0.10	ug/l	80.0	ND	82	75-125			
Cadmium	75.3	1.0	0.10	ug/l	80.0	ND	94	75-125			
Chromium	89.0	2.0	0.90	ug/l	80.0	1.65	109	75-125			
Cobalt	83.0	1.0	0.10	ug/l	80.0	1.71	102	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2790 Extracted: 11/22/10											
Matrix Spike Analyzed: 11/23/2010-11/24/2010 (10K2790-MS1)						**Source: ITK1710-05**					
Copper	77.0	2.0	0.50	ug/l	80.0	18.6	73	75-125			*M2*
Lead	70.0	1.0	0.20	ug/l	80.0	ND	87	75-125			
Manganese	367	1.0	0.70	ug/l	80.0	246	151	75-125			*M1*
Molybdenum	113	2.0	0.20	ug/l	80.0	26.4	109	75-125			
Nickel	76.6	2.0	0.50	ug/l	80.0	2.14	93	75-125			
Selenium	81.4	2.0	0.50	ug/l	80.0	2.74	98	75-125			
Silver	81.7	1.0	0.10	ug/l	80.0	ND	102	75-125			
Thallium	70.9	1.0	0.20	ug/l	80.0	0.745	88	75-125			
Vanadium	106	2.0	0.80	ug/l	80.0	12.9	117	75-125			
Zinc	78.5	20	4.0	ug/l	80.0	15.7	78	75-125			
Matrix Spike Dup Analyzed: 11/23/2010-11/24/2010 (10K2790-MSD1)						**Source: ITK1710-05**					
Aluminum	84.1	10	8.5	ug/l	80.0	18.3	82	75-125	3	20	
Uranium	89.2	1.0	0.20	ug/l	80.0	17.1	90	70-130	0.8	20	
Antimony	81.0	2.0	0.30	ug/l	80.0	0.384	101	75-125	3	20	
Arsenic	94.8	1.0	0.90	ug/l	80.0	21.1	92	75-125	2	20	
Barium	154	1.0	0.30	ug/l	80.0	73.9	100	75-125	2	20	
Beryllium	66.4	0.50	0.10	ug/l	80.0	ND	83	75-125	0.6	20	
Cadmium	74.6	1.0	0.10	ug/l	80.0	ND	93	75-125	0.8	20	
Chromium	87.9	2.0	0.90	ug/l	80.0	1.65	108	75-125	1	20	
Cobalt	81.9	1.0	0.10	ug/l	80.0	1.71	100	75-125	1	20	
Copper	78.2	2.0	0.50	ug/l	80.0	18.6	75	75-125	1	20	
Lead	68.6	1.0	0.20	ug/l	80.0	ND	86	75-125	2	20	
Manganese	361	1.0	0.70	ug/l	80.0	246	144	75-125	2	20	*M1*
Molybdenum	113	2.0	0.20	ug/l	80.0	26.4	108	75-125	0.3	20	
Nickel	76.2	2.0	0.50	ug/l	80.0	2.14	93	75-125	0.5	20	
Selenium	80.5	2.0	0.50	ug/l	80.0	2.74	97	75-125	1	20	
Silver	80.8	1.0	0.10	ug/l	80.0	ND	101	75-125	1	20	
Thallium	70.4	1.0	0.20	ug/l	80.0	0.745	87	75-125	0.6	20	
Vanadium	105	2.0	0.80	ug/l	80.0	12.9	115	75-125	1	20	
Zinc	82.6	20	4.0	ug/l	80.0	15.7	84	75-125	5	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

DISSOLVED INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2165 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2165-BLK1)											
Chromium VI	ND	0.0020	0.00025	mg/l							
LCS Analyzed: 11/17/2010 (10K2165-BS1)											
Chromium VI	0.0479	0.0020	0.00025	mg/l	0.0500		96	90-110			
Matrix Spike Analyzed: 11/17/2010 (10K2165-MS1)						**Source: ITK1710-06**					
Chromium VI	0.0492	0.0020	0.00025	mg/l	0.0500	ND	98	85-115			
Matrix Spike Analyzed: 11/17/2010 (10K2165-MS2)						**Source: ITK1710-04**					
Chromium VI	1.64	0.20	0.025	mg/l	0.0500	1.59	102	85-115			*MHA*
Matrix Spike Dup Analyzed: 11/17/2010 (10K2165-MSD1)						**Source: ITK1710-06**					
Chromium VI	0.0495	0.0020	0.00025	mg/l	0.0500	ND	99	85-115	0.7	20	
Matrix Spike Dup Analyzed: 11/17/2010 (10K2165-MSD2)						**Source: ITK1710-04**					
Chromium VI	1.65	0.20	0.025	mg/l	0.0500	1.59	116	85-115	0.4	20	*MHA*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2133 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2133-BLK1)											
Bromide	0.398	0.50	0.35	mg/l							*J*
Chloride	ND	0.50	0.25	mg/l							
Fluoride	0.396	0.50	0.15	mg/l							*J*
Nitrate-N	ND	0.11	0.060	mg/l							
Sulfate	ND	0.50	0.20	mg/l							
LCS Analyzed: 11/17/2010 (10K2133-BS1)											
Bromide	4.87	0.50	0.35	mg/l	5.00		97	90-110			
Chloride	4.57	0.50	0.25	mg/l	5.00		91	90-110			*M-3*
Fluoride	4.62	0.50	0.15	mg/l	5.00		92	90-110			
Nitrate-N	1.08	0.11	0.060	mg/l	1.13		96	90-110			*M-3*
Sulfate	9.42	0.50	0.20	mg/l	10.0		94	90-110			*M-3*
Duplicate Analyzed: 11/18/2010 (10K2133-DUP1)						**Source: ITK1710-06**					
Bromide	ND	5.0	3.5	mg/l		ND				200	
Fluoride	4.30	5.0	1.5	mg/l		4.24			1	200	*J*
Nitrate-N	ND	1.1	0.60	mg/l		ND				200	
Matrix Spike Analyzed: 11/17/2010 (10K2133-MS1)						**Source: ITK1710-04**					
Bromide	52.4	5.0	3.5	mg/l	50.0	4.84	95	80-120			
Fluoride	46.4	5.0	1.5	mg/l	50.0	4.23	84	80-120			
Matrix Spike Analyzed: 11/18/2010 (10K2133-MS2)						**Source: ITK1658-01**					
Bromide	4.76	0.50	0.35	mg/l	5.00	ND	95	80-120			
Chloride	4.82	0.50	0.25	mg/l	5.00	0.510	86	80-120			
Fluoride	4.70	0.50	0.15	mg/l	5.00	ND	94	80-120			
Nitrate-N	1.12	0.11	0.060	mg/l	1.13	0.107	90	80-120			
Sulfate	9.24	0.50	0.20	mg/l	10.0	ND	92	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2133 Extracted: 11/17/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2133-MSD1)						**Source: ITK1710-04**					
Bromide	50.7	5.0	3.5	mg/l	50.0	4.84	92	80-120	3	20	
Fluoride	46.5	5.0	1.5	mg/l	50.0	4.23	84	80-120	0.2	20	
Batch: 10K2134 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2134-BLK1)											
Orthophosphate - P	ND	0.16	0.13	mg/l							
LCS Analyzed: 11/17/2010 (10K2134-BS1)											
Orthophosphate - P	1.66	0.16	0.13	mg/l	1.63		102	90-110			
Duplicate Analyzed: 11/18/2010 (10K2134-DUP1)						**Source: ITK1710-05**					
Orthophosphate - P	ND	1.6	1.3	mg/l		ND				200	
Matrix Spike Analyzed: 11/18/2010 (10K2134-MS1)						**Source: ITK1710-04**					
Orthophosphate - P	22.5	3.2	2.6	mg/l	16.3	ND	138	80-120			*M1*
Matrix Spike Analyzed: 11/18/2010 (10K2134-MS2)						**Source: ITK1742-01**					
Orthophosphate - P	0.965	0.16	0.13	mg/l	1.63	ND	59	80-120			*M2*
Matrix Spike Dup Analyzed: 11/18/2010 (10K2134-MSD1)						**Source: ITK1710-04**					
Orthophosphate - P	20.8	3.2	2.6	mg/l	16.3	ND	128	80-120	8	20	*M1*
Batch: 10K2203 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2203-BLK1)											
Bromide	ND	0.50	0.35	mg/l							
Chloride	ND	0.50	0.25	mg/l							
Orthophosphate - P	ND	0.16	0.13	mg/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2203 Extracted: 11/17/10											
LCS Analyzed: 11/17/2010 (10K2203-BS1)											
Bromide	5.16	0.50	0.35	mg/l	5.00		103	90-110			
Chloride	5.14	0.50	0.25	mg/l	5.00		103	90-110			*M-3*
Orthophosphate - P	1.67	0.16	0.13	mg/l	1.63		102	90-110			
Duplicate Analyzed: 11/18/2010 (10K2203-DUP1)						**Source: ITK1710-02**					
Bromide	ND	1.0	0.70	mg/l		ND				200	
Orthophosphate - P	ND	0.32	0.26	mg/l		ND				200	
Matrix Spike Analyzed: 11/17/2010 (10K2203-MS1)						**Source: ITK1423-11**					
Bromide	6.93	0.50	0.35	mg/l	5.00	1.85	101	80-120			
Orthophosphate - P	1.79	0.16	0.13	mg/l	1.63	ND	110	80-120			
Matrix Spike Analyzed: 11/18/2010 (10K2203-MS2)						**Source: ITK1772-01**					
Bromide	5.18	0.50	0.35	mg/l	5.00	ND	104	80-120			
Chloride	8.77	0.50	0.25	mg/l	5.00	3.35	109	80-120			
Orthophosphate - P	1.63	0.16	0.13	mg/l	1.63	ND	100	80-120			
Matrix Spike Dup Analyzed: 11/17/2010 (10K2203-MSD1)						**Source: ITK1423-11**					
Bromide	7.07	0.50	0.35	mg/l	5.00	1.85	104	80-120	2	20	
Orthophosphate - P	1.91	0.16	0.13	mg/l	1.63	ND	117	80-120	7	20	
Batch: 10K2236 Extracted: 11/17/10											
Blank Analyzed: 11/17/2010 (10K2236-BLK1)											
Nitrite-N	ND	0.15	0.090	mg/l							
LCS Analyzed: 11/17/2010 (10K2236-BS1)											
Nitrite-N	1.45	0.15	0.090	mg/l	1.52		95	90-110			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2236 Extracted: 11/17/10											
Duplicate Analyzed: 11/18/2010 (10K2236-DUP1)						**Source: ITK1710-05**					
Nitrite-N	ND	1.5	0.90	mg/l		ND				200	
Matrix Spike Analyzed: 11/18/2010 (10K2236-MS1)						**Source: ITK1710-04**					
Nitrite-N	20.5	3.0	1.8	mg/l	15.2	ND	135	80-120			*M1*
Matrix Spike Dup Analyzed: 11/18/2010 (10K2236-MSD1)						**Source: ITK1710-04**					
Nitrite-N	22.9	3.0	1.8	mg/l	15.2	ND	151	80-120	11	20	*M1*
Batch: 10K2368 Extracted: 11/18/10											
Duplicate Analyzed: 11/18/2010 (10K2368-DUP1)						**Source: ITK1710-04**					
pH	7.70	0.100	0.100	pH Units		7.69			0.1	5	*HFT*
Duplicate Analyzed: 11/18/2010 (10K2368-DUP2)						**Source: ITK1819-02**					
pH	7.97	0.100	0.100	pH Units		7.96			0.1	5	*HFT*
Batch: 10K2390 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2390-BLK1)											
Total Cyanide	ND	0.025	0.017	mg/l							
LCS Analyzed: 11/18/2010 (10K2390-BS1)											
Total Cyanide	0.197	0.025	0.017	mg/l	0.200		99	90-110			
Matrix Spike Analyzed: 11/18/2010 (10K2390-MS1)						**Source: ITK1710-04**					
Total Cyanide	0.168	0.025	0.017	mg/l	0.200	ND	84	70-115			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2390 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2390-MSD1)						**Source: ITK1710-04**					
Total Cyanide	0.191	0.025	0.017	mg/l	0.200	ND	95	70-115	13	15	
Batch: 10K2438 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2438-BLK1)											
Total Dissolved Solids	ND	10	1.0	mg/l							
LCS Analyzed: 11/19/2010 (10K2438-BS1)											
Total Dissolved Solids	1010	10	1.0	mg/l	1000		101	90-110			
Duplicate Analyzed: 11/19/2010 (10K2438-DUP1)						**Source: ITK1710-04**					
Total Dissolved Solids	8520	100	10	mg/l		8360			2	10	
Batch: 10K2597 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2597-BLK1)											
Ammonia-N	ND	0.50	0.10	mg/l							
LCS Analyzed: 11/19/2010 (10K2597-BS1)											
Ammonia-N	0.998	0.50	0.10	mg/l	1.00		100	85-115			
Matrix Spike Analyzed: 11/19/2010 (10K2597-MS1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2597-MSD1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125	0	15	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2956 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2956-BLK1)											
Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Bicarbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
LCS Analyzed: 11/23/2010 (10K2956-BS1)											
Alkalinity as CaCO3	376	2.0	2.0	mg/l	399		94	90-110			
Duplicate Analyzed: 11/23/2010 (10K2956-DUP1)						**Source: ITK1710-04**					
Alkalinity as CaCO3	96.0	2.0	2.0	mg/l		96.0			0	20	
Bicarbonate Alkalinity as CaCO3	96.0	2.0	2.0	mg/l		96.0			0	20	
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Duplicate Analyzed: 11/23/2010 (10K2956-DUP2)						**Source: ITK1772-02**					
Alkalinity as CaCO3	130	2.0	2.0	mg/l		132			2	20	
Bicarbonate Alkalinity as CaCO3	130	2.0	2.0	mg/l		132			2	20	
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Batch: 10K3444 Extracted: 11/29/10											
Blank Analyzed: 11/29/2010 (10K3444-BLK1)											
Phosphorus	ND	0.050	0.020	mg/l							
LCS Analyzed: 11/29/2010 (10K3444-BS1)											
Phosphorus	0.480	0.050	0.020	mg/l	0.500		96	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3444 Extracted: 11/29/10											
Matrix Spike Analyzed: 11/29/2010 (10K3444-MS1)						**Source: ITK1710-04**					
Phosphorus	0.799	0.10	0.040	mg/l	1.00	ND	80	65-130			
Matrix Spike Dup Analyzed: 11/29/2010 (10K3444-MSD1)						**Source: ITK1710-04**					
Phosphorus	0.797	0.10	0.040	mg/l	1.00	ND	80	65-130	0.2	15	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

General Chemistry Parameters

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L1302 Extracted: 12/07/10											
Blank Analyzed: 12/07/2010 (10L1302-BLK1)											
Total Inorganic Carbon	ND	1.00	0.500	mg/L							
LCS Analyzed: 12/07/2010 (10L1302-BS1)											
Total Inorganic Carbon	9.98	1.00	0.500	mg/L	10.0		100	90-110			
Duplicate Analyzed: 12/07/2010 (10L1302-DUP1)						**Source: ITK1710-06**					
Total Inorganic Carbon	27.2	1.00	0.500	mg/L		26.9			1	20	
Matrix Spike Analyzed: 12/07/2010 (10L1302-MS1)						**Source: ITK1710-04**					
Total Inorganic Carbon	41.8	1.00	0.500	mg/L	20.0	22.3	98	80-120			
Matrix Spike Dup Analyzed: 12/07/2010 (10L1302-MSD1)						**Source: ITK1710-04**					
Total Inorganic Carbon	41.5	1.00	0.500	mg/L	20.0	22.3	96	80-120	0.8	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Aldehydes by EPA Method 8315A

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3685 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K3685-BLK1)											
Acetaldehyde	ND	50.0	29.0	ug/L							
Formaldehyde	ND	50.0	27.0	ug/L							
Surrogate: Butyraldehyde	*158*			*ug/L*	*200*		*79*	*54-128*			
LCS Analyzed: 11/19/2010 (10K3685-BS1)											
Acetaldehyde	88.5	50.0	29.0	ug/L	100		88	51-131			
Formaldehyde	82.9	50.0	27.0	ug/L	100		83	39-130			
Surrogate: Butyraldehyde	*164*			*ug/L*	*200*		*82*	*54-128*			
Matrix Spike Analyzed: 11/19/2010 (10K3685-MS1)						**Source: ITK1710-04**					
Acetaldehyde	78.3	50.0	29.0	ug/L	100	72.0	6	40-138			*M8*
Formaldehyde	67.9	50.0	27.0	ug/L	100	ND	68	33-137			
Surrogate: Butyraldehyde	*170*			*ug/L*	*200*		*85*	*54-128*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K3685-MSD1)						**Source: ITK1710-04**					
Acetaldehyde	116	50.0	29.0	ug/L	100	72.0	44	40-138	39	29	*R2*
Formaldehyde	58.3	50.0	27.0	ug/L	100	ND	58	33-137	15	32	
Surrogate: Butyraldehyde	*157*			*ug/L*	*200*		*78*	*54-128*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Anions by EPA Method 300.0/300.1/326

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: W0L0090 Extracted: 12/02/10											
Blank Analyzed: 12/02/2010 (W0L0090-BLK1)											
Iodide	ND	10	2.7	ug/l							
LCS Analyzed: 12/02/2010 (W0L0090-BS1)											
Iodide	39.3	10	2.7	ug/l	40.0		98	80-120			
Matrix Spike Analyzed: 12/02/2010 (W0L0090-MS1)						**Source: ITK1710-05**					
Iodide	595	50	13	ug/l	200	390	103	80-120			
Matrix Spike Dup Analyzed: 12/02/2010 (W0L0090-MSD1)						**Source: ITK1710-05**					
Iodide	591	50	13	ug/l	200	390	100	80-120	0.7	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
Matrix Spike Dup Analyzed: 12/16/2010 (G0K180557001D)						**Source: ITK1710-04**					
PCB 105 (BZ)	2.08	0.02	0.0012	ng/L	1.98	0.001	105	50-150	2.1	50	*Ca*
PCB 114 (BZ)	2.04	0.02	0.0012	ng/L	1.98	ND	103	50-150	0.77	50	
PCB 118 (BZ)	2.1	0.02	0.0012	ng/L	1.98	0.0027	106	50-150	0.29	50	*Ca, B*
PCB 123 (BZ)	2.05	0.02	0.0012	ng/L	1.98	ND	104	50-150	0.97	50	
PCB 126 (BZ)	2.05	0.02	0.0013	ng/L	1.98	ND	103	50-150	0.93	50	
PCB 15 (BZ)	1.98	0.2	0.00056	ng/L	1.98	0.0017	100	50-150	1.8	50	
PCB 156 (BZ)	2.06	0.02	0.0014	ng/L	1.98	ND	104	50-150	1.7	50	
PCB 157 (BZ)	2.06	0.02	0.0013	ng/L	1.98	ND	104	50-150	1.2	50	
PCB 167 (BZ)	2.12	0.02	0.0016	ng/L	1.98	ND	107	50-150	9.2	50	
PCB 169 (BZ)	2.04	0.02	0.0013	ng/L	1.98	ND	103	50-150	1.6	50	
PCB 189 (BZ)	1.88	0.02	0.00072	ng/L	1.98	ND	95	50-150	1	50	
PCB 77 (BZ)	2.08	0.02	0.0011	ng/L	1.98	ND	105	50-150	0.83	50	
PCB 81 (BZ)	2.1	0.02	0.0011	ng/L	1.98	ND	106	50-150	0.78	50	
Surrogate: 13C12-PCB 105	*0.0017*			*ng/L*	*0.00198*		*86*	*25-150*			
Surrogate: 13C12-PCB 114	*0.00165*			*ng/L*	*0.00198*		*84*	*25-150*			
Surrogate: 13C12-PCB 118	*0.00164*			*ng/L*	*0.00198*		*83*	*25-150*			
Surrogate: 13C12-PCB 126	*0.00188*			*ng/L*	*0.00198*		*95*	*25-150*			
Surrogate: 13C12-PCB 15	*0.0015*			*ng/L*	*0.00198*		*76*	*25-150*			
Surrogate: 13C12-PCB 156	*0.0018*			*ng/L*	*0.00198*		*91*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00181*			*ng/L*	*0.00198*		*92*	*25-150*			
Surrogate: 13C12-PCB 167	*0.0017*			*ng/L*	*0.00198*		*86*	*25-150*			
Surrogate: 13C12-PCB 169	*0.00204*			*ng/L*	*0.00198*		*103*	*25-150*			
Surrogate: 13C12-PCB 189	*0.00204*			*ng/L*	*0.00198*		*103*	*25-150*			
Surrogate: 13C12-PCB 77	*0.00167*			*ng/L*	*0.00198*		*84*	*25-150*			
Surrogate: 13C12-PCB 81	*0.0016*			*ng/L*	*0.00198*		*81*	*25-150*			
Matrix Spike Analyzed: 12/16/2010 (G0K180557001S)						**Source: ITK1710-04**					
PCB 105 (BZ)	2.04	0.02	0.00087	ng/L	1.94	0.001	105	50-150	105		*Ca*
PCB 114 (BZ)	2.03	0.02	0.00083	ng/L	1.94	ND	105	50-150	105		
PCB 118 (BZ)	2.1	0.02	0.00085	ng/L	1.94	0.0027	108	50-150	108		*Ca, B*
PCB 123 (BZ)	2.03	0.02	0.00087	ng/L	1.94	ND	105	50-150	105		
PCB 126 (BZ)	2.03	0.02	0.00088	ng/L	1.94	ND	104	50-150	104		
PCB 15 (BZ)	1.94	0.2	0.00049	ng/L	1.94	0.0017	100	50-150	100		
PCB 156 (BZ)	2.03	0.02	0.0015	ng/L	1.94	ND	105	50-150	105		
PCB 157 (BZ)	2.03	0.02	0.0015	ng/L	1.94	ND	105	50-150	105		
PCB 167 (BZ)	1.94	0.02	0.0017	ng/L	1.94	ND	100	50-150	100		

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
Matrix Spike Analyzed: 12/16/2010 (G0K180557001S)						**Source: ITK1710-04**					
PCB 169 (BZ)	2.01	0.02	0.0014	ng/L	1.94	ND	104	50-150	104		
PCB 189 (BZ)	1.86	0.02	0.0008	ng/L	1.94	ND	96	50-150	96		
PCB 77 (BZ)	2.06	0.02	0.00098	ng/L	1.94	ND	106	50-150	106		
PCB 81 (BZ)	2.09	0.02	0.00095	ng/L	1.94	ND	107	50-150	107		
Surrogate: 13C12-PCB 105	*0.00175*			*ng/L*	*0.00194*		*90*	*25-150*			
Surrogate: 13C12-PCB 114	*0.00169*			*ng/L*	*0.00194*		*87*	*25-150*			
Surrogate: 13C12-PCB 118	*0.00164*			*ng/L*	*0.00194*		*84*	*25-150*			
Surrogate: 13C12-PCB 126	*0.00196*			*ng/L*	*0.00194*		*101*	*25-150*			
Surrogate: 13C12-PCB 15	*0.00151*			*ng/L*	*0.00194*		*78*	*25-150*			
Surrogate: 13C12-PCB 156	*0.00184*			*ng/L*	*0.00194*		*95*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00183*			*ng/L*	*0.00194*		*94*	*25-150*			
Surrogate: 13C12-PCB 167	*0.00172*			*ng/L*	*0.00194*		*89*	*25-150*			
Surrogate: 13C12-PCB 169	*0.00213*			*ng/L*	*0.00194*		*110*	*25-150*			
Surrogate: 13C12-PCB 189	*0.00208*			*ng/L*	*0.00194*		*107*	*25-150*			
Surrogate: 13C12-PCB 77	*0.00173*			*ng/L*	*0.00194*		*89*	*25-150*			
Surrogate: 13C12-PCB 81	*0.00164*			*ng/L*	*0.00194*		*85*	*25-150*			
Blank Analyzed: 12/15/2010 (G0K230000484B)						**Source:**					
PCB 10 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 105 (BZ)	ND	0.02	0.00058	ng/L				-			
PCB 11 (BZ)	0.022	0.2	0.0015	ng/L				-			*J*
PCB 114 (BZ)	ND	0.02	0.00058	ng/L				-			
PCB 118 (BZ)	0.003	0.02	0.0006	ng/L				-			*Ca, J, Q*
PCB 12 (BZ)	ND	0.2	0.0015	ng/L				-			
PCB 123 (BZ)	ND	0.02	0.0006	ng/L				-			
PCB 126 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 13 (BZ)	ND	0.2	0.0015	ng/L				-			
PCB 14 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 15 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 156 (BZ)	ND	0.02	0.00057	ng/L				-			
PCB 157 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 167 (BZ)	ND	0.02	0.00062	ng/L				-			
PCB 169 (BZ)	ND	0.02	0.00056	ng/L				-			
PCB 189 (BZ)	ND	0.02	0.00051	ng/L				-			
PCB 4 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 5 (BZ)	ND	0.2	0.00066	ng/L				-			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
Blank Analyzed: 12/15/2010 (G0K230000484B)						**Source:**					
PCB 6 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 7 (BZ)	ND	0.2	0.0014	ng/L				-			
PCB 77 (BZ)	ND	0.02	0.00047	ng/L				-			
PCB 8 (BZ)	ND	0.2	0.00066	ng/L				-			
PCB 81 (BZ)	ND	0.02	0.00047	ng/L				-			
PCB 9 (BZ)	ND	0.2	0.0014	ng/L				-			
Surrogate: 13C12-PCB 105	*0.0018*			*ng/L*	*0.002*		*90*	*25-150*			
Surrogate: 13C12-PCB 114	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
Surrogate: 13C12-PCB 118	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
Surrogate: 13C12-PCB 126	*0.002*			*ng/L*	*0.002*		*101*	*25-150*			
Surrogate: 13C12-PCB 15	*0.0015*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 156	*0.0019*			*ng/L*	*0.002*		*94*	*25-150*			
Surrogate: 13C12-PCB 157	*0.0019*			*ng/L*	*0.002*		*94*	*25-150*			
Surrogate: 13C12-PCB 167	*0.0018*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 169	*0.0022*			*ng/L*	*0.002*		*110*	*25-150*			
Surrogate: 13C12-PCB 189	*0.0021*			*ng/L*	*0.002*		*107*	*25-150*			
Surrogate: 13C12-PCB 77	*0.0018*			*ng/L*	*0.002*		*90*	*25-150*			
Surrogate: 13C12-PCB 81	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
LCS Analyzed: 12/15/2010 (G0K230000484C)						**Source:**					
PCB 105 (BZ)	2.08	0.02	0.00086	ng/L	2		104	50-150	104		*Ca*
PCB 114 (BZ)	2.03	0.02	0.00085	ng/L	2		102	50-150	102		
PCB 118 (BZ)	2.13	0.02	0.00089	ng/L	2		106	50-150	106		*Ca*
PCB 123 (BZ)	2.07	0.02	0.00089	ng/L	2		104	50-150	104		
PCB 126 (BZ)	2.05	0.02	0.00084	ng/L	2		103	50-150	103		
PCB 15 (BZ)	1.97	0.2	0.00062	ng/L	2		99	50-150	99		
PCB 156 (BZ)	2.08	0.02	0.0011	ng/L	2		104	50-150	104		
PCB 157 (BZ)	2.09	0.02	0.0011	ng/L	2		104	50-150	104		
PCB 167 (BZ)	2.24	0.02	0.0012	ng/L	2		112	50-150	112		
PCB 169 (BZ)	2.06	0.02	0.0011	ng/L	2		103	50-150	103		
PCB 189 (BZ)	1.93	0.02	0.00067	ng/L	2		96	50-150	96		
PCB 77 (BZ)	2.08	0.02	0.00095	ng/L	2		104	50-150	104		
PCB 81 (BZ)	2.11	0.02	0.00096	ng/L	2		106	50-150	106		
Surrogate: 13C12-PCB 105	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 114	*0.00165*			*ng/L*	*0.002*		*83*	*25-150*			
Surrogate: 13C12-PCB 118	*0.00162*			*ng/L*	*0.002*		*81*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 327484 Extracted: 11/23/10											
LCS Analyzed: 12/15/2010 (G0K230000484C)						**Source:**					
Surrogate: 13C12-PCB 126	*0.00193*			*ng/L*	*0.002*		*97*	*25-150*			
Surrogate: 13C12-PCB 15	*0.00148*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 156	*0.00175*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 167	*0.00166*			*ng/L*	*0.002*		*83*	*25-150*			
Surrogate: 13C12-PCB 169	*0.002*			*ng/L*	*0.002*		*100*	*25-150*			
Surrogate: 13C12-PCB 189	*0.00197*			*ng/L*	*0.002*		*98*	*25-150*			
Surrogate: 13C12-PCB 77	*0.00174*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 81	*0.00165*			*ng/L*	*0.002*		*83*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SW846 6850-DISSx

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 340124 Extracted: 12/06/10											
Matrix Spike Dup Analyzed: 12/10/2010 (G0K180557001D)						**Source: ITK1710-04**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120	0	15	*MSA, a*
Matrix Spike Analyzed: 12/10/2010 (G0K180557001S)						**Source: ITK1710-04**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120	0		*MSA, a*
Blank Analyzed: 12/10/2010 (G0L060000124B)						**Source:**					
Perchlorate	ND	0.5	0.082	ug/L				-			
LCS Analyzed: 12/10/2010 (G0L060000124C)						**Source:**					
Perchlorate	4.57	0.5	0.082	ug/L	5		91	80-120	91		
LCS Analyzed: 12/10/2010 (G0L060000124R)						**Source:**					
Perchlorate	4.6	0.5	0.082	ug/L	5		92	80-120	92		

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 44242 Extracted: 11/18/10											
Blank Analyzed: 12/07/2010 (280-44242-10)						**Source:**					
Azinphos-methyl	ND	2.5	0.17	ug/L				-			
Bolstar	ND	1.0	0.31	ug/L				-			
Chlorpyrifos	ND	1.5	0.36	ug/L				-			
Coumaphos	ND	1.0	0.14	ug/L				-			
Demeton, Total	ND	3.0	0.21	ug/L				-			
Diazinon	ND	0.50	0.15	ug/L				-			
Dichlorvos	ND	0.50	0.16	ug/L				-			
Dimethoate	ND	1.5	0.45	ug/L				-			
Disulfoton	ND	1.0	0.32	ug/L				-			
EPN	ND	1.2	0.15	ug/L				-			
Ethoprop	ND	1.5	0.18	ug/L				-			
Ethyl Parathion	ND	1.0	0.14	ug/L				-			
Famphur	ND	1.0	0.18	ug/L				-			
Fensulfothion	ND	2.5	0.54	ug/L				-			
Fenthion	ND	2.5	0.15	ug/L				-			
Malathion	ND	2.0	0.13	ug/L				-			
Merphos	ND	5.0	0.17	ug/L				-			
Methyl Carbophenothion	ND	0.80	0.080	ug/L				-			
Methyl parathion	ND	4.0	0.14	ug/L				-			
Mevinphos	ND	6.2	0.46	ug/L				-			
Naled	ND	2.0	0.25	ug/L				-			
o,o',o"-Triethylphosphorothioate	ND	0.50	0.14	ug/L				-			
Phorate	ND	1.2	0.15	ug/L				-			
Ronnel	ND	10	0.12	ug/L				-			
Sulfotepp	ND	1.5	0.17	ug/L				-			
Tetrachlorvinphos (Stirophos)	ND	3.5	0.12	ug/L				-			
Thionazin	ND	1.0	0.31	ug/L				-			
Tokuthion	ND	1.6	0.12	ug/L				-			
Trichloronate	ND	1.5	0.24	ug/L				-			
Surrogate: Chlormefos	*1.91*			*ug/L*	*2.00*		*95*	*49-171*			
Surrogate: Triphenylphosphate	*1.96*			*ug/L*	*2.01*		*98*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 44242 Extracted: 11/18/10											
LCS Analyzed: 12/07/2010 (280-44242-11)						**Source:**					
Azinphos-methyl	3.44	2.5	0.17	ug/L	4.00		86	42-125			
Chlorpyrifos	3.97	1.5	0.36	ug/L	4.00		99	60-120			
Coumaphos	3.95	1.0	0.14	ug/L	4.00		99	61-115			
Demeton, Total	4.26	3.0	0.21	ug/L	4.00		106	33-141			
Diazinon	3.58	0.50	0.15	ug/L	4.00		90	47-149			
Dichlorvos	3.37	0.50	0.16	ug/L	4.00		84	40-193			
Dimethoate	2.55	1.5	0.45	ug/L	4.00		64	33-139			
Disulfoton	3.37	1.0	0.32	ug/L	4.00		84	44-139			
EPN	4.14	1.2	0.15	ug/L	4.00		104	50-150			
Ethoprop	4.17	1.5	0.18	ug/L	4.00		104	43-165			
Ethyl Parathion	3.68	1.0	0.14	ug/L	4.00		92	47-142			
Famphur	4.21	1.0	0.18	ug/L	4.00		105	51-131			
Fensulfothion	2.31	2.5	0.54	ug/L	4.00		58	46-115			*Jb*
Fenthion	3.56	2.5	0.15	ug/L	4.00		89	63-128			
Malathion	3.57	2.0	0.13	ug/L	4.24		84	53-137			
Merphos	2.83	5.0	0.17	ug/L	4.00		71	50-150			*Jb*
Methyl parathion	4.00	4.0	0.14	ug/L	4.00		100	55-131			
Mevinphos	6.00	6.2	0.46	ug/L	4.00		150	39-175			*Jb*
o,o',o"-Triethylphosphorothioate	3.96	0.50	0.14	ug/L	4.00		99	65-143			
Phorate	3.39	1.2	0.15	ug/L	4.00		85	46-142			
Ronnel	3.85	10	0.12	ug/L	4.00		96	43-115			*Jb*
Sulfotepp	3.71	1.5	0.17	ug/L	4.00		93	29-166			
Tetrachlorvinphos (Stirophos)	3.59	3.5	0.12	ug/L	4.00		90	53-123			
Thionazin	3.71	1.0	0.31	ug/L	4.18		89	39-180			
Trichloronate	3.54	1.5	0.24	ug/L	4.00		89	60-115			
Surrogate: Chlormefos	*2.04*			*ug/L*	*2.00*		*102*	*49-171*			
Surrogate: Triphenylphosphate	*2.97*			*ug/L*	*2.01*		*148*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 44242 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 12/07/2010 (99392D)					**Source: ITK1710-04**						
Azinphos-methyl	2.95	2.4	0.16	ug/L	3.79	ND	78	42-125	13	30	
Chlorpyrifos	3.06	1.4	0.34	ug/L	3.79	ND	81	60-120	1	34	
Coumaphos	3.32	0.95	0.13	ug/L	3.79	ND	88	61-115	9	43	
Demeton, Total	3.34	2.8	0.20	ug/L	3.79	ND	88	33-141	14	50	
Diazinon	2.92	0.47	0.14	ug/L	3.79	ND	77	47-149	10	40	
Dichlorvos	2.46	0.47	0.15	ug/L	3.79	ND	65	40-193	23	49	
Dimethoate	2.65	1.4	0.43	ug/L	3.79	ND	70	33-139	28	50	
Disulfoton	2.66	0.95	0.31	ug/L	3.79	ND	70	44-139	17	40	
EPN	3.22	1.1	0.14	ug/L	3.79	ND	85	50-150	7	50	
Ethoprop	3.14	1.4	0.17	ug/L	3.79	ND	83	43-165	14	36	
Ethyl Parathion	2.89	0.95	0.14	ug/L	3.79	ND	76	47-142	16	40	
Famphur	3.45	0.95	0.17	ug/L	3.79	ND	91	51-131	10	88	
Fensulfothion	3.15	2.4	0.52	ug/L	3.79	ND	83	46-115	16	62	
Fenthion	2.82	2.4	0.15	ug/L	3.79	ND	74	63-128	11	41	
Malathion	2.87	1.9	0.13	ug/L	4.02	0.35	71	53-137	10	28	
Merphos	2.33	4.7	0.17	ug/L	3.79	ND	61	50-150	6	50	*Jb*
Methyl parathion	3.01	3.8	0.13	ug/L	3.79	ND	79	55-131	24	30	*Jb*
Mevinphos	5.82	5.9	0.44	ug/L	3.79	ND	153	39-175	26	40	*Jb*
o,o',o"-Triethylphosphorothioate	2.44	0.47	0.14	ug/L	3.79	ND	64	65-143	40	40	*F*
Phorate	2.50	1.1	0.15	ug/L	3.79	ND	66	46-142	14	40	
Ronnel	2.92	9.5	0.11	ug/L	3.79	ND	77	43-115	13	39	*Jb*
Sulfotepp	2.70	1.4	0.16	ug/L	3.79	ND	71	29-166	18	40	
Tetrachlorvinphos (Stirophos)	2.86	3.3	0.12	ug/L	3.79	ND	75	53-123	11	40	*Jb*
Thionazin	2.85	0.95	0.30	ug/L	3.96	0.51	72	39-180	15	40	
Trichloronate	2.70	1.4	0.23	ug/L	3.79	ND	71	60-115	13	38	
Surrogate: Chlormefos	*1.48*			*ug/L*	*1.90*		*78*	*49-171*			
Surrogate: Triphenylphosphate	*2.29*			*ug/L*	*1.90*		*120*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 44242 Extracted: 11/18/10											
Matrix Spike Analyzed: 12/07/2010 (99392S)						**Source: ITK1710-04**					
Azinphos-methyl	3.36	2.4	0.16	ug/L	3.79	ND	89	42-125			
Chlorpyrifos	3.04	1.4	0.34	ug/L	3.79	ND	80	60-120			
Coumaphos	3.63	0.95	0.13	ug/L	3.79	ND	96	61-115			
Demeton, Total	3.85	2.8	0.20	ug/L	3.79	ND	102	33-141			
Diazinon	3.22	0.47	0.14	ug/L	3.79	ND	85	47-149			
Dichlorvos	3.08	0.47	0.15	ug/L	3.79	ND	81	40-193			
Dimethoate	3.50	1.4	0.43	ug/L	3.79	ND	92	33-139			
Disulfoton	3.15	0.95	0.31	ug/L	3.79	ND	83	44-139			
EPN	3.45	1.1	0.14	ug/L	3.79	ND	91	50-150			
Ethoprop	3.60	1.4	0.17	ug/L	3.79	ND	95	43-165			
Ethyl Parathion	3.39	0.95	0.14	ug/L	3.79	ND	90	47-142			
Famphur	3.80	0.95	0.17	ug/L	3.79	ND	100	51-131			
Fensulfothion	3.71	2.4	0.52	ug/L	3.79	ND	98	46-115			
Fenthion	3.15	2.4	0.15	ug/L	3.79	ND	83	63-128			
Malathion	3.17	1.9	0.13	ug/L	4.02	0.35	79	53-137			
Merphos	2.21	4.7	0.16	ug/L	3.79	ND	58	50-150			*Jb*
Methyl parathion	3.84	3.8	0.13	ug/L	3.79	ND	101	55-131			
Mevinphos	7.58	5.9	0.44	ug/L	3.79	ND	200	39-175			*F*
o,o',o"-Triethylphosphorothioate	3.65	0.47	0.14	ug/L	3.79	ND	96	65-143			
Phorate	2.86	1.1	0.15	ug/L	3.79	ND	76	46-142			
Ronnel	3.33	9.5	0.11	ug/L	3.79	ND	88	43-115			*Jb*
Sulfotepp	3.22	1.4	0.16	ug/L	3.79	ND	85	29-166			
Tetrachlorvinphos (Stirophos)	3.18	3.3	0.12	ug/L	3.79	ND	84	53-123			*Jb*
Thionazin	3.33	0.95	0.30	ug/L	3.96	0.51	84	39-180			
Trichloronate	3.06	1.4	0.23	ug/L	3.79	ND	81	60-115			
Surrogate: Chlormefos	*1.83*			*ug/L*	*1.90*		*97*	*49-171*			
Surrogate: Triphenylphosphate	*2.62*			*ug/L*	*1.90*		*138*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

Alpha Acids

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 25540 Extracted: 11/23/10											
Matrix Spike Analyzed: 11/22/2010 (10111941-01AMS)						**Source: 10111941-01A**					
4-Chlorobenzenesulfonic acid	0.518	0.050	N/A	mg/L	0.5	0.058	92	60-140	0		
Benzenesulfonic acid	0.471	0.050	N/A	mg/L	0.5	0	94	60-140	0		
Diethyl phosphorodithioic acid	0.444	0.050	N/A	mg/L	0.5	0	89	60-140	0		
Dimethyl phosphorodithioic acid	0.964	0.25	N/A	mg/L	1	0	96	50-150	0		
Phthalic acid	0.278	0.050	N/A	mg/L	0.5	0	56	60-140	0		
Matrix Spike Dup Analyzed: 11/23/2010 (10111941-01AMSD)						**Source: 10111941-01A**					
4-Chlorobenzenesulfonic acid	0.544	0.050	N/A	mg/L	0.5	0.058	97	60-140	4.9	20	
Benzenesulfonic acid	0.508	0.050	N/A	mg/L	0.5	0	102	60-140	7.6	20	
Diethyl phosphorodithioic acid	0.481	0.050	N/A	mg/L	0.5	0	96	60-140	8.0	20	
Dimethyl phosphorodithioic acid	1.05	0.25	N/A	mg/L	1	0	105	50-150	8.7	20	
Phthalic acid	0.185	0.050	N/A	mg/L	0.5	0	37	60-140	40	20	
LCS Analyzed: 11/22/2010 (LCS-25540)						**Source:**					
4-Chlorobenzenesulfonic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Benzenesulfonic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Diethyl phosphorodithioic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Dimethyl phosphorodithioic acid	0.999	0.25	N/A	mg/L	1		100	50-150			
Phthalic acid	0.508	0.050	N/A	mg/L	0.5		102	60-140			
Blank Analyzed: 11/22/2010 (MBLK-25540)						**Source:**					
4-Chlorobenzenesulfonic acid	ND	0.050	N/A	mg/L				-			
Benzenesulfonic acid	ND	0.050	N/A	mg/L				-			
Diethyl phosphorodithioic acid	ND	0.050	N/A	mg/L				-			
Dimethyl phosphorodithioic acid	ND	0.25	N/A	mg/L				-			
Phthalic acid	ND	0.050	N/A	mg/L				-			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

METHOD BLANK/QC DATA

SW846 6010B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 326248 Extracted: 11/22/10											
Matrix Spike Dup Analyzed: 11/29/2010 (F0K180476002D)						**Source: ITK1710-04**					
Sulfur	639000	100000	5340	ug/L	10000	669000	0	75-125	0	20	*N*
Matrix Spike Analyzed: 11/29/2010 (F0K180476002S)						**Source: ITK1710-04**					
Sulfur	642000	100000	5340	ug/L	10000	669000	0	75-125			*N*
Blank Analyzed: 11/29/2010 (F0K220000248B)						**Source:**					
Sulfur	ND	5000	267	ug/L				-			
LCS Analyzed: 11/29/2010 (F0K220000248C)						**Source:**					
Sulfur	9760	5000	267	ug/L	10000		98	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1710

Sampled: 11/15/10-11/16/10
Received: 11/17/10

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDT	1	122	ITK1710-02	10K2443
4,4'-DDT	1	122	ITK1710-04	10K2443
4,4'-DDT	1	122	ITK1710-05	10K2443

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

DATA QUALIFIERS AND DEFINITIONS

a	Spiked analyte recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
C8	Calibration Verification recovery was above the method control limit for this analyte. A high bias may be indicated.
Ca	Co-eluting isomer.
F	MS or MSD exceeds the control limits
H-1	Sample analysis performed past the method-specified holding time per client's approval.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MSA	The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.
N	Spiked analyte recovery is outside stated control limits.
P2	Sample received without chemical preservation, but preserved by the laboratory.
pH	pH = 7
Q	Estimated maximum possible concentration (EMPC).
QP1	Hydrocarbon result partly due to individual peak(s) in quantitation range.
R2	The RPD exceeded the acceptance limit.
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	Reporting limit raised due to sample matrix effects.
RL3	Reporting limit raised due to high concentrations of non-target analytes.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EDD + Level 4	Water	N/A	N/A
EPA 3510C/8081A	Water	X	
EPA 365.3	Water	X	X
EPA 504.1	Water	X	
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	
EPA 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8082	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	N/A	N/A
EPA 8270C	Water	X	X
EPA 9014	Water	X	
EPA 9040B	Water	X	
EPA 9056	Water	X	
SM2320B	Water	X	X
SM2540C	Water	X	X
SM4500NH3-D	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Alpha Analytical (Nevada) - SUB

255 Glendale Suite 21 - Sparks, NV 89431

Analysis Performed: Level 4 Data Package - Alpha, Sparks
Samples: ITK1710-04, ITK1710-05

Analysis Performed: Organic Acids
Samples: ITK1710-02, ITK1710-04, ITK1710-05, ITK1710-06

ALPS

Method Performed: ACIDS_HPLC_W
Samples: ITK1710-02, ITK1710-04, ITK1710-05, ITK1710-06

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/15/10-11/16/10
Long Beach, CA 90810	Report Number:	ITK1710	Received: 11/17/10
Attention: Alycia McCord			

TestAmerica - Nashville, TN *NELAC Cert #1168CA, Nevada Cert #TN00032*

2960 Foster Creighton Drive - Nashville, TN 37204

Method Performed: SW846 8315A
Samples: ITK1710-04, ITK1710-05

Method Performed: SW846 9060
Samples: ITK1710-02RE1, ITK1710-04RE1, ITK1710-05RE1, ITK1710-06RE1

TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: 8141A STD
Samples: ITK1710-02, ITK1710-04, ITK1710-05, ITK1710-06

TestAmerica St. Louis *California Cert #2542, Nevada Cert #MO00542009A*

13715 Rider Trail North - Earth City, MO 63045

Method Performed: SW846 6010B
Samples: ITK1710-02, ITK1710-04, ITK1710-05, ITK1710-06

TestAmerica West Sacramento *NELAC Cert #1119CA, Nevada Cert #CA44*

880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: EPA-14 1668
Samples: ITK1710-04, ITK1710-05, ITK1710-06

Method Performed: SW846 6850-DISS
Samples: ITK1710-04, ITK1710-05, ITK1710-06

Weck Laboratories, Inc. *California Cert #1132*

14859 E. Clark Avenue - City of Industry, CA 91745

Method Performed: EPA 9056 M
Samples: ITK1710-04, ITK1710-05, ITK1710-06

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt 3.3 c

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ITK1710

Client: AECOM	Project Manager: ALYCIA McCORD	Date: 11/16/10	Chain of Custody Number: 165103
Address: 3995 VIA ORO	Telephone Number (Area Code)/Fax Number: 562-213-4152	Lab Number	Page 1 of
City: LONG BEACH; State: CA; Zip Code: 90810	Site Contact: K. Green	Lab Contact: P. MATA / K. Robb	
Project Name and Location (State): Henderson Remedial Trust	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B-Hendr*	Cr6+7199 rev	See PM For Full analyte list									Special Instructions/ Conditions of Receipt
TB111610	11/16/10	655		X						X			X											
MC-MW-36	11/16/10	0700		X			X	X	X	X	X		X	X	X									LEVEL IV DATA PKG all analyses.
MC-MW-36FB	11/15/10	1600		X						X			X											
MC-MW-37	11/16/10	1015		X			X	X	X	X	X		X	X	X		MS/MSD							LEVEL IV DATA PKG all analyses
MC-MW-38	11/16/10	1315		X			X	X	X	X	X		X	X	X									LEVEL IV DATA PKG. all analyses.
MC-MW-32	11/16/10	1530		X			X	X	X	X	X		X	X	X									
MC-MW-32FB	11/16/10	1515		X						X			X	~~X~~	~~X~~									

KW KW

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____ *RUSH ON 8260B-Hend.

QC Requirements (Specify)

1. Relinquished By: K. Green	Date: 11/16/10	Time: 1536	1. Received By:	Date: 11/16/10	Time: 1532
2. Relinquished By:	Date: 11/16/10	Time: 1200 Fed Ex	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: VuBanh (CS) 4.4°	Date: 11/17/10	Time: 10:50

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TOTAL BOTTLE COUNT 101 120

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. ITK1710

TestAmerica Irvine

Lot #: F0K180476

Patty Mata

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817

TESTAMERICA LABORATORIES, INC.

Lynn Fussner
Project Manager

November 30, 2010

13715 Rider Trail North Earth City, MO 63045 **tel** 314.298.8566 **fax** 314.298.8757 **www.testamericainc.com**

Case Narrative
LOT NUMBER: F0K180476

This report contains the analytical results for the four samples received under chain of custody by TestAmerica St. Louis on November 18, 2010. These samples are associated with your TestAmerica Irvine project.

The analytical results included in this report meet all applicable quality control procedure requirements, except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. **TestAmerica St. Louis' Florida certification number is E87689.** The case narrative is an integral part of this report.

This report shall not be reproduced, except in full, without the written approval of the laboratory.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Inductively Coupled Plasma (ICP) Metals (SW-846 6010B)

Batch: 0326248
The samples were analyzed at a dilution due to high concentrations of target and interfering analytes. The reporting limit has been adjusted for the dilution since no analysis at a lesser dilution was performed.

The MS and MSD recoveries for Sulfur are outside the established QC limits. The said analyte concentration in the original sample is greater than four times the amount spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:
F0K180476 (1): ITK1710-02
F0K180476 (2): ITK1710-04
F0K180476 (3): ITK1710-05
F0K180476 (4): ITK1710-06

METHODS SUMMARY

F0K180476

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F0K180476

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L98EF	001	ITK1710-02	11/16/10	07:00
L98EL	002	ITK1710-04	11/16/10	10:15
L98EN	003	ITK1710-05	11/16/10	13:15
L98EP	004	ITK1710-06	11/16/10	15:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ITK1710-02

TOTAL Metals

Lot-Sample #...: F0K180476-001 Matrix.....: WATER
Date Sampled...: 11/16/10 07:00 Date Received..: 11/18/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	98500	25000	ug/L	SW846 6010B	11/22-11/29/10	L98EF1AA
		Dilution Factor: 5		Analysis Time..: 14:30		

TestAmerica Irvine

Client Sample ID: ITK1710-04

TOTAL Metals

Lot-Sample #...: F0K180476-002 Matrix.....: WATER
Date Sampled...: 11/16/10 10:15 Date Received..: 11/18/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	669000	100000	ug/L	SW846 6010B	11/22-11/29/10	L98EL1AA
		Dilution Factor: 20		Analysis Time..: 14:36		

TestAmerica Irvine

Client Sample ID: ITK1710-05

TOTAL Metals

Lot-Sample #...: F0K180476-003 Matrix.....: WATER
Date Sampled...: 11/16/10 13:15 Date Received..: 11/18/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	383000	50000	ug/L	SW846 6010B	11/22-11/29/10	L98EN1AA
		Dilution Factor: 10		Analysis Time..: 15:14		

TestAmerica Irvine

Client Sample ID: ITK1710-06

TOTAL Metals

Lot-Sample #...: F0K180476-004 Matrix.....: WATER
Date Sampled...: 11/16/10 15:30 Date Received..: 11/18/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	561000	50000	ug/L	SW846 6010B	11/22-11/29/10	L98EP1AA
		Dilution Factor: 10		Analysis Time..: 15:20		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F0K180476 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F0K220000-248 Prep Batch #...: 0326248						
Sulfur	ND	5000	ug/L	SW846 6010B	11/22-11/29/10	MAEFM1AA
		Dilution Factor: 1				
		Analysis Time..: 14:17				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F0K180476 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#:	F0K220000-248	Prep Batch #...: 0326248			
Sulfur	98	(80 - 120)	SW846 6010B	11/22-11/29/10	MAEFM1AC
		Dilution Factor: 1	Analysis Time..: 14:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F0K180476 Matrix.....: WATER
Date Sampled...: 11/16/10 10:15 Date Received..: 11/18/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F0K180476-002 Prep Batch #...: 0326248							
Sulfur	0.0 N	(75 - 125)			SW846 6010B	11/22-11/29/10	L98EL1AC
	0.0 N	(75 - 125)	0.0	(0-20)	SW846 6010B	11/22-11/29/10	L98EL1AD
		Dilution Factor: 20					
		Analysis Time..: 15:01					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

F0K180476

CLIENT ANALYSIS SUMMARY

Storage Loc: METS

Project Manager: LMF
Quote #: 77635
SDG: ITK1710
Project: ITK1710
TestAmerica Irvine
PO#: ITK1710
Report to: Debbie Wilson
Client: 440 TestAmerica Irvine
#SMPS In LOT: 4

Date Received: 2010-11-18
Analytical Due Date: 2010-11-29
Report Due Date: 2010-11-30
Report Type: B Standard Report
EDD Code: 00

GEOSYNTEC do not login % moisture for this client only GEOSYNTEC ***Please log LEVEL 4***** Login - Please include the 7 digit client ID # at the top o the subcontract sheet as the SDG #, Project and PO #.

LOG IN SAMPLES FOR A 14 DAY TAT - DO NOT LOG THEM IN FOR LESS UNLESS CLEARED WTIH PM

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
1	ITK1710-02			2010-11-16 / 700	L98EF	WATER

SAMPLE COMMENTS:

	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
2	ITK1710-04			2010-11-16 / 1015	L98EL	WATER

SAMPLE COMMENTS:

	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
D	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
S	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
3	ITK1710-05			2010-11-16 / 1315	L98EN	WATER

SAMPLE COMMENTS:

	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
4	ITK1710-06			2010-11-16 / 1530	L98EP	WATER

SAMPLE COMMENTS:

	SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06

CW 11/18

SUBCONTRACT ORDER
TestAmerica Irvine

ITK1710

F0K180476

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata
Client: AECOM Inc - Long Beach

RECEIVING LABORATORY:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone :(314) 298-8566
Fax: (314) 298-8757
Project Location: NV - NEVADA
Receipt Temperature:_____°C Ice: Y / N

Cadm 500P

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ITK1710-02 (MC-MW-36 - Water) Sampled: 11/16/10 07:00						
Sulfur-6010-OUT	mg/l	11/30/10	05/15/11 07:00	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (B)						
Sample ID: ITK1710-04 (MC-MW-37 - Water) Sampled: 11/16/10 10:15 MS/MSD						
Sulfur-6010-OUT	mg/l	11/30/10	05/15/11 10:15	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (AG)						
Sample ID: ITK1710-05 (MC-MW-38 - Water) Sampled: 11/16/10 13:15						
Sulfur-6010-OUT	mg/l	11/30/10	05/15/11 13:15	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (L)						
Sample ID: ITK1710-06 (MC-MW-32 - Water) Sampled: 11/16/10 15:30						
Sulfur-6010-OUT	mg/l	11/30/10	05/15/11 15:30	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (Q)						

Released By	Date/Time	Received By	Date/Time
[signature]	11/17/10 17:08	FedEx	11/17/10 17:00
		[signature]	11/18/10 0930

Released By	Date/Time	Received By	Date/Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F0K180476

CONDITION UPON RECEIPT FORM

Client: TA Irvine
Quote No: 77635
COC/RFA No: ITK1710
168
Initiated By: AB
Date: 11-18-10
Time: 0930

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*

1. 4289 2372 130
2.
3.
4.
5.
6.
7.
8.
9.
10.

Sample Temperature (s):**

1. 2
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	Y (N)	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N (N/A)	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	(Y) N N/A	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	(Y) N N/A	Was pH taken by original TestAmerica lab?

[1] For DOB-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:
Received on ice - should be received cumbient

Corrective Action:
☐ Client Contact Name: _____ Informed by: _____
☐ Sample(s) processed "as is"
☐ Sample(s) on hold until: _____ If released, notify: _____
Project Management Review: Jayna Awalt Date: 11-20-10

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

Alpha Analytical, Inc.

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

Date: *26-Nov-2010*

Patty Mata
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614
(949) 261-1022

CASE NARRATIVE

Job: ITK1710
Work Order: TAC10111841 **Cooler Temp:** 4 °C

Alpha's Sample ID	Client's Sample ID	Matrix
10111841-01A	ITK1710-02 (MC-MW-36 - Water)	Aqueous
10111841-02A	ITK1710-04 (MC-MW-37 - Water)	Aqueous
10111841-03A	ITK1710-05 (MC-MW-38 - Water)	Aqueous
10111841-04A	ITK1710-06 (MC-MW-32 - Water)	Aqueous

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

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614

Attn: Patty Mata
Phone: (949) 261-1022
Fax: (949) 261-1228
Date Received : 11/18/10

Job: ITK1710

Organic Acids by HPLC
Alpha Acids

	Parameter	Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID: **ITK1710-02 (MC-MW-36 - Water)**						
Lab ID : TAC10111841-01A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/23/10 05:25
Date Sampled 11/16/10 07:00	Benzenesulfonic acid	0.038	J	0.050 mg/L	11/22/10 10:30	11/23/10 05:25
	Phthalic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 05:25
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 05:25
	4-Chlorobenzenesulfonic acid	7.7		0.25 mg/L	11/22/10 10:30	11/23/10 07:31
Client ID: **ITK1710-04 (MC-MW-37 - Water)**						
Lab ID : TAC10111841-02A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/23/10 09:36
Date Sampled 11/16/10 10:15	Benzenesulfonic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 09:36
	Phthalic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 09:36
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 09:36
	4-Chlorobenzenesulfonic acid	0.032	J	0.050 mg/L	11/22/10 10:30	11/23/10 09:36
Client ID: **ITK1710-05 (MC-MW-38 - Water)**						
Lab ID : TAC10111841-03A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/23/10 11:42
Date Sampled 11/16/10 13:15	Benzenesulfonic acid	0.033	J	0.050 mg/L	11/22/10 10:30	11/23/10 11:42
	Phthalic acid	0.032	J	0.050 mg/L	11/22/10 10:30	11/23/10 11:42
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 11:42
	4-Chlorobenzenesulfonic acid	29		1.0 mg/L	11/22/10 10:30	11/23/10 13:47
Client ID: **ITK1710-06 (MC-MW-32 - Water)**						
Lab ID : TAC10111841-04A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/23/10 16:59
Date Sampled 11/16/10 15:30	Benzenesulfonic acid	0.036	J	0.050 mg/L	11/22/10 10:30	11/23/10 16:59
	Phthalic acid	0.026	J	0.050 mg/L	11/22/10 10:30	11/23/10 16:59
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 16:59
	4-Chlorobenzenesulfonic acid	21		1.0 mg/L	11/22/10 10:30	11/23/10 19:05

Note: Samples were evaluated to half of the reporting limit.
Sample data was verified by spike addition confirmation.
This replaces the report signed 11/29/10 due to a change to the date extracted, due to lab error.

ND = Not Detected
J = The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

12/6/10
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *26-Nov-2010*

QC Summary Report

Work Order: 10111841

Method Blank

Type **MBLK** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 18:58**

Sample ID: **MBLK-25540** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	ND	0.25								
Benzenesulfonic acid	ND	0.05								
Phthalic acid	ND	0.05								
Diethyl phosphorodithioic acid	ND	0.05								
4-Chlorobenzenesulfonic acid	ND	0.05								

Laboratory Control Spike

Type **LCS** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 20:00**

Sample ID: **LCS-25540** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	0.999	0.25	1		99.9	50	150			
Benzenesulfonic acid	0.499	0.05	0.5		99.8	60	140			
Phthalic acid	0.508	0.05	0.5		102	60	140			
Diethyl phosphorodithioic acid	0.499	0.05	0.5		99.8	60	140			
4-Chlorobenzenesulfonic acid	0.499	0.05	0.5		99.8	60	140			

Sample Matrix Spike

Type **MS** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 23:09**

Sample ID: **10111941-01AMS** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	0.964	0.25	1	0	96	50	150			
Benzenesulfonic acid	0.471	0.05	0.5	0	94	60	140			
Phthalic acid	0.278	0.05	0.5	0	56	60	140			M2
Diethyl phosphorodithioic acid	0.444	0.05	0.5	0	89	60	140			
4-Chlorobenzenesulfonic acid	0.518	0.05	0.5	0.058	92	60	140			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/23/2010 11:54**

Sample ID: **10111941-01AMSD** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	1.05	0.25	1	0	105	50	150	0.964	8.7(20)	
Benzenesulfonic acid	0.508	0.05	0.5	0	102	60	140	0.471	7.6(20)	
Phthalic acid	0.185	0.05	0.5	0	37	60	140	0.278	40.2(20)	M2 R58
Diethyl phosphorodithioic acid	0.481	0.05	0.5	0	96	60	140	0.444	8.0(20)	
4-Chlorobenzenesulfonic acid	0.544	0.05	0.5	0.058	97	60	140	0.518	4.9(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

R58 = MS/MSD RPD exceeded the laboratory control limit.

Sample data was verified by spike addition confirmation.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : TAC10111841

Report Due By : 5:00 PM On : 30-Nov-10

Client:
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100

Irvine, CA 92614

Report Attention	Phone Number	EMail Address
Patty Mata	(949) 261-1022 x	patty.mata@testamericainc.com

Report J Values down to MDL : Yes

EDD Required : **Yes**

Sampled by : Client

PO :

Client's COC # : none Job : ITK1710

Cooler Temp	Samples Received	Date Printed
4 °C	18-Nov-10	18-Nov-10

QC Level : 4 = Final Rpt, MBLK, LCS, MS/MSD, InitCal/ConCal data

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: ACIDS_HPLC_W								Sample Remarks
TAC10111841-01A	ITK1710-02 (MC-MW-36 - Water)	AQ	11/16/10 07:00	1	0	7	OrganicAcids								Level IV QC/mult. dilutions
TAC10111841-02A	ITK1710-04 (MC-MW-37 - Water)	AQ	11/16/10 10:15	1	0	7	OrganicAcids								MS/MSD. Level IV QC/mult. dilutions
TAC10111841-03A	ITK1710-05 (MC-MW-38 - Water)	AQ	11/16/10 13:15	1	0	7	OrganicAcids								Level IV QC/mult. dilutions
TAC10111841-04A	ITK1710-06 (MC-MW-32 - Water)	AQ	11/16/10 15:30	1	0	7	OrganicAcids								Level IV QC/mult. dilutions

Comments: Security seals intact. Frozen ice. Client requests J-Flags. Level IV QC. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tae Jackson	Tae Jackson	Alpha Analytical, Inc.	11/18/10 1017

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

SUBCONTRACT ORDER
TestAmerica Irvine

ITK1710

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

Alpha Analytical (Nevada) - SUB
255 Glendale Suite 21
Sparks, NV 89431
Phone :(775) 355-1044
Fax: na
Project Location: NV - NEVADA
Receipt Temperature: 4 °C Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: _____ Initials: _____

Analysis	Units	Expires	Comments
TAC10111 841			
Sample ID: ITK1710-02 (MC-MW-36 - Water) -01		Sampled: 11/16/10 07:00	
Organic Acids-Out	mg/l	12/14/10 07:00	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied: 500 mL Poly (D)			
Sample ID: ITK1710-04 (MC-MW-37 - Water) -02		Sampled: 11/16/10 10:15	MS/MSD
Organic Acids-Out	mg/l	12/14/10 10:15	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied: 500 mL Poly (AQ)			
Sample ID: ITK1710-05 (MC-MW-38 - Water) -03		Sampled: 11/16/10 13:15	
Organic Acids-Out	mg/l	12/14/10 13:15	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied: 500 mL Poly (P)			
Sample ID: ITK1710-06 (MC-MW-32 - Water) -04		Sampled: 11/16/10 15:30	
Organic Acids-Out	mg/l	12/14/10 15:30	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied: 500 mL Poly (S)			

Released By	11/17/10 17:00 Date/Time	FedEx Received By	11/17/10 17:00 Date/Time
Released By	Date/Time	Received By	11/18/10 1014 Date/Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson - SRC Water Program
Henderson - SRC Water Program

Sampled: 11/17/10
Received: 11/18/10
Issued: 12/22/10 16:21

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: WATER, 6850, Perchlorate
Samples: 1, 2
Per method guidelines, a laboratory control sample (LCS) and a synthetic matrix check sample (SMCS) have been analyzed with this analytical batch. Each set of data is reported as an LCS with the following work order numbers assigned:
LCS: MAWRT1AA
SMCS: MAWRT1AD

WATER, 1668, PCB's - Custom List
Samples: 1, 2
Some analytes in theses samples and the associated method blank for these samples have an ion abundance ratio that is outside of criteria. The analytes are considered as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio. Analytical results are reported with a "Q" flag.
PCB-118 is detected in the associated method blank at a concentration above the reporting limit. There was not additional volume of sample available for re-extraction. With client approval, the data has been reported.

There are no other anomalies associated with this project.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

ADDITIONAL INFORMATION: Complete final report with all requested analyses.

LABORATORY ID	CLIENT ID	MATRIX
ITK1858-01	TB111710	Water
ITK1858-02	MC-MW-32	Water
ITK1858-03	MC-MW-33	Water
ITK1858-04	MC-MW-33B	Water
ITK1858-05	MC-MW-33FB	Water

Reviewed By:

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
Surrogate: n-Octacosane (45-120%)					*69 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
ORO (C25-C40)	EPA 8015B	10K2583	0.095	0.48	ND	0.952	11/19/10	11/19/10	
EFH (C10 - C40)	EPA 8015B	10K2583	0.095	0.48	**0.11**	0.952	11/19/10	11/19/10	J
Surrogate: n-Octacosane (45-120%)					*74 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3443	0.30	0.50	**0.66**	1	11/29/10	11/29/10	
Methanol	EPA 8015B	10K3443	0.30	0.50	**0.32**	1	11/29/10	11/29/10	J
Surrogate: 1-Pentanol (70-130%)					*123 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	10K3443	0.30	0.50	**0.72**	1	11/29/10	11/29/10	
Methanol	EPA 8015B	10K3443	0.30	0.50	ND	1	11/29/10	11/29/10	
Surrogate: 1-Pentanol (70-130%)					*119 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K2943	25	50	**51**	1	11/23/10	11/23/10	
Surrogate: 4-BFB (FID) (65-140%)					*94 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	10K2943	25	50	**46**	1	11/23/10	11/23/10	J
Surrogate: 4-BFB (FID) (65-140%)					*95 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-01 (TB111710 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2262	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2262	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2262	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2262	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2262	0.33	2.0	ND	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2262	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2262	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2262	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-01 (TB111710 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2262	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2262	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2262	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2262	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2262	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2262	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2262	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2262	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2262	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2262	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2262	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2262	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2262	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2262	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2262	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2262	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*89 %*				
Surrogate: Dibromofluoromethane (80-120%)					*100 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2262	4.5	10	ND	1	11/18/10	11/18/10	
Benzene	EPA 8260B	10K2262	0.28	2.0	**16**	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2262	0.30	2.0	**1.0**	1	11/18/10	11/18/10	J
Bromoform	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromomethane	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
2-Butanone (MEK)	EPA 8260B	10K2262	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2262	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2262	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2262	0.36	2.0	**12**	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2262	0.33	2.0	**10**	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2262	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2262	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2262	0.40	2.0	**0.65**	1	11/18/10	11/18/10	J
1,2-Dibromoethane (EDB)	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2262	0.32	2.0	**0.33**	1	11/18/10	11/18/10	J
1,3-Dichlorobenzene	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2262	0.37	2.0	**0.55**	1	11/18/10	11/18/10	J
Dichlorodifluoromethane	EPA 8260B	10K2262	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2262	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2262	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2262	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2262	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2262	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2262	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2262	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2262	0.95	5.0	ND	1	11/18/10	11/18/10	
Naphthalene	EPA 8260B	10K2262	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2262	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2262	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2262	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2262	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2262	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2262	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2262	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2262	4.5	10	**4.8**	1	11/18/10	11/18/10	J
Benzene	EPA 8260B	10K2262	0.28	2.0	**15**	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2262	0.30	2.0	**1.2**	1	11/18/10	11/18/10	J
Bromoform	EPA 8260B	10K2262	0.40	5.0	**0.92**	1	11/18/10	11/18/10	J
Bromomethane	EPA 8260B	10K2262	0.42	5.0	**0.86**	1	11/18/10	11/18/10	J
2-Butanone (MEK)	EPA 8260B	10K2262	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2262	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2262	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2262	0.36	2.0	**11**	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2262	0.33	2.0	**9.5**	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2262	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2262	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2262	0.40	2.0	**0.85**	1	11/18/10	11/18/10	J
1,2-Dibromoethane (EDB)	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2262	0.35	2.0	**0.52**	1	11/18/10	11/18/10	J
1,4-Dichlorobenzene	EPA 8260B	10K2262	0.37	2.0	**0.53**	1	11/18/10	11/18/10	J
Dichlorodifluoromethane	EPA 8260B	10K2262	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2262	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2262	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2262	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2262	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2262	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2262	1.5	5.0	**1.7**	1	11/18/10	11/18/10	J
Isopropylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2262	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2262	0.95	5.0	**1.4**	1	11/18/10	11/18/10	B, J
Naphthalene	EPA 8260B	10K2262	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2262	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2262	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichlorobenzene	EPA 8260B	10K2262	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2262	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2262	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2262	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2262	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*90 %*				
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-05 (MC-MW-33FB - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	10K2262	4.5	10	**5.2**	1	11/18/10	11/18/10	J
Benzene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Bromobenzene	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
Bromochloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
Bromodichloromethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Bromoform	EPA 8260B	10K2262	0.40	5.0	**0.68**	1	11/18/10	11/18/10	J
Bromomethane	EPA 8260B	10K2262	0.42	5.0	**0.55**	1	11/18/10	11/18/10	J
2-Butanone (MEK)	EPA 8260B	10K2262	4.7	10	ND	1	11/18/10	11/18/10	
n-Butylbenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
sec-Butylbenzene	EPA 8260B	10K2262	0.25	5.0	ND	1	11/18/10	11/18/10	
1,3,5-Trichlorobenzene	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
tert-Butylbenzene	EPA 8260B	10K2262	0.22	5.0	ND	1	11/18/10	11/18/10	
Carbon Disulfide	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
Carbon tetrachloride	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
2,2,3-Trimethylbutane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chlorobenzene	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
2,2-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
2,4-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Chloroform	EPA 8260B	10K2262	0.33	2.0	ND	1	11/18/10	11/18/10	
Chloromethane	EPA 8260B	10K2262	0.40	5.0	ND	1	11/18/10	11/18/10	
2-Chlorotoluene	EPA 8260B	10K2262	0.28	5.0	ND	1	11/18/10	11/18/10	
4-Chlorotoluene	EPA 8260B	10K2262	0.29	5.0	ND	1	11/18/10	11/18/10	
1,2-Dibromo-3-chloropropane	EPA 8260B	10K2262	0.97	5.0	ND	1	11/18/10	11/18/10	
2-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3,3-Dimethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromochloromethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dibromoethane (EDB)	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
3-Ethylpentane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
3-Methylhexane	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Dibromomethane	EPA 8260B	10K2262	0.36	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichlorobenzene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichlorobenzene	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,4-Dichlorobenzene	EPA 8260B	10K2262	0.37	2.0	ND	1	11/18/10	11/18/10	
Dichlorodifluoromethane	EPA 8260B	10K2262	0.26	5.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethane	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
1,2-Dichloroethane	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloroethene	EPA 8260B	10K2262	0.42	5.0	ND	1	11/18/10	11/18/10	
cis-1,2-Dichloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
trans-1,2-Dichloroethene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-05 (MC-MW-33FB - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	10K2262	0.35	2.0	ND	1	11/18/10	11/18/10	
1,3-Dichloropropane	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
2,2-Dichloropropane	EPA 8260B	10K2262	0.34	2.0	ND	1	11/18/10	11/18/10	
cis-1,3-Dichloropropene	EPA 8260B	10K2262	0.22	2.0	ND	1	11/18/10	11/18/10	
trans-1,3-Dichloropropene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
1,1-Dichloropropene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
Dimethyl disulfide	EPA 8260B	10K2262	0.50	2.0	ND	1	11/18/10	11/18/10	
Ethylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
Hexachlorobutadiene	EPA 8260B	10K2262	0.38	5.0	ND	1	11/18/10	11/18/10	
2-Hexanone	EPA 8260B	10K2262	2.6	10	ND	1	11/18/10	11/18/10	
n-Heptane	EPA 8260B	10K2262	0.50	5.0	ND	1	11/18/10	11/18/10	
Nonanal	EPA 8260B	10K2262	1.5	5.0	ND	1	11/18/10	11/18/10	
Isopropylbenzene	EPA 8260B	10K2262	0.25	2.0	ND	1	11/18/10	11/18/10	
p-Isopropyltoluene	EPA 8260B	10K2262	0.28	2.0	ND	1	11/18/10	11/18/10	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	10K2262	3.5	10	ND	1	11/18/10	11/18/10	
Methylene chloride	EPA 8260B	10K2262	0.95	5.0	**1.3**	1	11/18/10	11/18/10	B, J
Naphthalene	EPA 8260B	10K2262	0.41	5.0	ND	1	11/18/10	11/18/10	
n-Propylbenzene	EPA 8260B	10K2262	0.27	2.0	ND	1	11/18/10	11/18/10	
Styrene	EPA 8260B	10K2262	0.20	2.0	ND	1	11/18/10	11/18/10	
1,1,1,2-Tetrachloroethane	EPA 8260B	10K2262	0.27	5.0	ND	1	11/18/10	11/18/10	
1,1,2,2-Tetrachloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Tetrachloroethene	EPA 8260B	10K2262	0.32	2.0	ND	1	11/18/10	11/18/10	
Toluene	EPA 8260B	10K2262	0.36	2.0	**0.47**	1	11/18/10	11/18/10	J
1,2,3-Trichlorobenzene	EPA 8260B	10K2262	0.30	5.0	ND	1	11/18/10	11/18/10	
1,2,4-Trichlorobenzene	EPA 8260B	10K2262	0.48	5.0	ND	1	11/18/10	11/18/10	
1,1,1-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
1,1,2-Trichloroethane	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Trichloroethene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Trichlorofluoromethane	EPA 8260B	10K2262	0.34	5.0	ND	1	11/18/10	11/18/10	
1,2,3-Trichloropropane	EPA 8260B	10K2262	0.40	10	ND	1	11/18/10	11/18/10	
1,2,4-Trimethylbenzene	EPA 8260B	10K2262	0.23	2.0	ND	1	11/18/10	11/18/10	
1,3,5-Trimethylbenzene	EPA 8260B	10K2262	0.26	2.0	ND	1	11/18/10	11/18/10	
Vinyl chloride	EPA 8260B	10K2262	0.40	2.0	ND	1	11/18/10	11/18/10	
m,p-Xylenes	EPA 8260B	10K2262	0.60	2.0	ND	1	11/18/10	11/18/10	
o-Xylene	EPA 8260B	10K2262	0.30	2.0	ND	1	11/18/10	11/18/10	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	10K2262	0.32	5.0	ND	1	11/18/10	11/18/10	
Surrogate: 4-Bromofluorobenzene (80-120%)					*91 %*				
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-01 (TB111710 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2262	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2262	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2262	N/A	120	ND	1	11/18/10	11/18/10	
Sample ID: ITK1858-05 (MC-MW-33FB - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	10K2262	N/A	120	ND	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0030	0.0099	ND	0.99	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0030	0.050	ND	0.99	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*103 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	10K2928	0.0030	0.0099	ND	0.985	11/23/10	11/23/10	
1,2-Dibromo-3-chloropropane	EPA 504.1	10K2928	0.0030	0.049	ND	0.985	11/23/10	11/23/10	
Surrogate: 4-Bromofluorobenzene (50-150%)					*104 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Acenaphthylene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Aniline	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Anthracene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.4	19	ND	0.943	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	47	ND	0.943	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.2	9.4	ND	0.943	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.943	11/18/10	11/23/10	
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.5	19	ND	0.943	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.7	19	ND	0.943	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Methylphenol	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Naphthalene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.943	11/18/10	11/23/10	C
3-Nitroaniline	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.943	11/18/10	11/23/10	
Nitrobenzene	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.943	11/18/10	11/23/10	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.943	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.4	ND	0.943	11/18/10	11/23/10	
Pyrene	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.943	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.8	19	ND	0.943	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.2	19	ND	0.943	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.943	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.1	19	ND	0.943	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	28	190	ND	0.943	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.4	ND	0.943	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water) - cont.									
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.4	ND	0.943	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.8	9.4	ND	0.943	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*95 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*71 %*				
Surrogate: 2-Fluorophenol (30-120%)					*59 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*73 %*				
Surrogate: Phenol-d6 (35-120%)					*71 %*				
Surrogate: Terphenyl-d14 (50-125%)					*38 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Acenaphthylene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Aniline	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)anthracene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(a)pyrene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(b)fluoranthene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(g,h,i)perylene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Benzo(k)fluoranthene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Benzoic acid	EPA 8270C	10K2349	9.5	19	ND	0.952	11/18/10	11/23/10	
Benzyl alcohol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
4-Bromophenyl phenyl ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Butyl benzyl phthalate	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
4-Chloro-3-methylphenol	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
4-Chloroaniline	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethoxy)methane	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroethyl)ether	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-chloroisopropyl)ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Bis(2-ethylhexyl)phthalate	EPA 8270C	10K2349	3.8	48	ND	0.952	11/18/10	11/23/10	
2-Chloronaphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Chlorophenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl phenyl ether	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Chrysene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Dibenz(a,h)anthracene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
Dibenzofuran	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Di-n-butyl phthalate	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
1,2-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,3-Dichlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,4-Dichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	10K2349	4.3	9.5	ND	0.952	11/18/10	11/23/10	
3,3'-Dichlorobenzidine	EPA 8270C	10K2349	7.1	19	ND	0.952	11/18/10	11/23/10	
2,4-Dichlorophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Diethyl phthalate	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,4-Dimethylphenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Dimethyl phthalate	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	C
4,6-Dinitro-2-methylphenol	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrophenol	EPA 8270C	10K2349	7.6	19	ND	0.952	11/18/10	11/23/10	
2,4-Dinitrotoluene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
2,6-Dinitrotoluene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	C
Di-n-octyl phthalate	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Fluorene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorobutadiene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Hexachlorocyclopentadiene	EPA 8270C	10K2349	4.8	19	ND	0.952	11/18/10	11/23/10	
Hexachloroethane	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Indeno(1,2,3-cd)pyrene	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Isophorone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylnaphthalene	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Methylphenol	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Naphthalene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
2-Nitroaniline	EPA 8270C	10K2349	1.9	19	ND	0.952	11/18/10	11/23/10	C
3-Nitroaniline	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
4-Nitroaniline	EPA 8270C	10K2349	3.8	19	ND	0.952	11/18/10	11/23/10	
Nitrobenzene	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2-Nitrophenol	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Nitrophenol	EPA 8270C	10K2349	5.2	19	ND	0.952	11/18/10	11/23/10	
N-Nitroso-di-n-propylamine	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
N-Nitrosodimethylamine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
N-Nitrosodiphenylamine	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pentachlorophenol	EPA 8270C	10K2349	3.3	19	ND	0.952	11/18/10	11/23/10	
Phenanthrene	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Phenol	EPA 8270C	10K2349	1.9	9.5	ND	0.952	11/18/10	11/23/10	
Pyrene	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Pyridine	EPA 8270C	10K2349	2.4	19	ND	0.952	11/18/10	11/23/10	
1,2,4-Trichlorobenzene	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
2,4,5-Trichlorophenol	EPA 8270C	10K2349	2.9	19	ND	0.952	11/18/10	11/23/10	
2,4,6-Trichlorophenol	EPA 8270C	10K2349	4.3	19	ND	0.952	11/18/10	11/23/10	
n-Hydroxymethylphthalimide	EPA 8270C	10K2349	24	190	ND	0.952	11/18/10	11/23/10	
Octachlorostyrene	EPA 8270C	10K2349	6.2	19	ND	0.952	11/18/10	11/23/10	
Pentachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl disulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Phenyl sulfide	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
Thiophenol	EPA 8270C	10K2349	29	190	ND	0.952	11/18/10	11/23/10	
4,4'-Dichlorobenzophenone	EPA 8270C	10K2349	2.4	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorobenzenethiol	EPA 8270C	10K2349	38	190	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfide	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl methyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
4-Chlorophenyl sulfone	EPA 8270C	10K2349	3.3	9.5	ND	0.952	11/18/10	11/23/10	
Benzophenone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water) - cont.									
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	10K2349	3.8	9.5	ND	0.952	11/18/10	11/23/10	
Diphenyl sulfone	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	10K2349	2.9	9.5	ND	0.952	11/18/10	11/23/10	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*95 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*73 %*				
Surrogate: 2-Fluorophenol (30-120%)					*63 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*79 %*				
Surrogate: Phenol-d6 (35-120%)					*78 %*				
Surrogate: Terphenyl-d14 (50-125%)					*48 %*				*Z*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10K2644	0.28	0.94	ND	0.943	11/20/10	11/22/10	
Surrogate: 1,4-Dioxane-d8 (30-120%)					*59 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	10K2644	0.28	0.95	ND	0.948	11/20/10	11/22/10	
Surrogate: 1,4-Dioxane-d8 (30-120%)					*63 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	10K2767	40	350	ND	1	11/23/10	11/23/10	
Trichloroacetaldehyde	EPA 8270C MOD	10K2767	27	150	ND	1	11/23/10	11/23/10	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*47 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	10K2767	40	350	ND	1	11/23/10	11/23/10	
Trichloroacetaldehyde	EPA 8270C MOD	10K2767	27	150	ND	1	11/23/10	11/23/10	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*47 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	47	ND	0.943	11/18/10	11/23/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	10K2349	N/A	48	ND	0.952	11/18/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	L, C-1
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/20/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/20/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/20/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/20/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*102 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*70 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	C-1, L
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	**0.028**	0.943	11/19/10	11/20/10	J
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	**0.047**	0.943	11/19/10	11/20/10	J
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/20/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/20/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/20/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/20/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*92 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*75 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDE	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
2,4'-DDT	EPA 3510C/8081A	10K2443	0.019	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDD	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDE	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
4,4'-DDT	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	L, C-1
Aldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
alpha-BHC	EPA 3510C/8081A	10K2443	0.019	0.094	**0.025**	0.943	11/19/10	11/20/10	J
beta-BHC	EPA 3510C/8081A	10K2443	0.038	0.094	**0.043**	0.943	11/19/10	11/20/10	J
delta-BHC	EPA 3510C/8081A	10K2443	0.019	0.19	ND	0.943	11/19/10	11/20/10	
Dieldrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan I	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan II	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Endosulfan sulfate	EPA 3510C/8081A	10K2443	0.047	0.19	ND	0.943	11/19/10	11/20/10	
Endrin	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Endrin aldehyde	EPA 3510C/8081A	10K2443	0.047	0.094	ND	0.943	11/19/10	11/20/10	
Endrin ketone	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
gamma-BHC (Lindane)	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Heptachlor epoxide	EPA 3510C/8081A	10K2443	0.028	0.094	ND	0.943	11/19/10	11/20/10	
Methoxychlor	EPA 3510C/8081A	10K2443	0.038	0.094	ND	0.943	11/19/10	11/20/10	
Chlordane	EPA 3510C/8081A	10K2443	0.28	0.94	ND	0.943	11/19/10	11/20/10	
Toxaphene	EPA 3510C/8081A	10K2443	0.75	4.7	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*90 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*70 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*90 %*				
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*86 %*				
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1221	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1232	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1242	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1248	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1254	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Aroclor 1260	EPA 8082	10K2443	0.24	0.94	ND	0.943	11/19/10	11/20/10	
Surrogate: Decachlorobiphenyl (45-120%)					*78 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: mg/l									
Boron	EPA 6010B	10K2939	0.020	0.050	**2.2**	1	11/23/10	11/25/10	
Calcium	EPA 6010B	10K2939	0.050	0.10	**410**	1	11/23/10	11/25/10	
Iron	EPA 6010B	10K2939	0.015	0.040	**0.35**	1	11/23/10	11/25/10	
Lithium	EPA 6010B	10K2939	0.030	0.050	**0.21**	1	11/23/10	11/25/10	
Magnesium	EPA 6010B	10K2939	0.012	0.020	**280**	1	11/23/10	11/25/10	
Phosphorus	EPA 6010B	10K2939	0.020	0.040	**0.072**	1	11/23/10	11/25/10	
Potassium	EPA 6010B	10K2939	0.37	0.50	**26**	1	11/23/10	11/25/10	
Sodium	EPA 6010B	10K2939	0.19	0.50	**860**	1	11/23/10	11/25/10	
Strontium	EPA 6010B	10K2939	0.0050	0.020	**13**	1	11/23/10	11/25/10	
Tin	EPA 6010B	10K2939	0.012	0.10	ND	1	11/23/10	11/25/10	
Titanium	EPA 6010B	10K2939	0.0020	0.0050	**0.0074**	1	11/23/10	11/25/10	
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/l									
Boron	EPA 6010B	10K2939	0.020	0.050	**0.68**	1	11/23/10	11/25/10	
Calcium	EPA 6010B	10K2939	0.050	0.10	**59**	1	11/23/10	11/25/10	
Iron	EPA 6010B	10K2939	0.015	0.040	**0.20**	1	11/23/10	11/25/10	
Lithium	EPA 6010B	10K2939	0.030	0.050	**0.063**	1	11/23/10	11/25/10	
Magnesium	EPA 6010B	10K2939	0.012	0.020	**11**	1	11/23/10	11/25/10	
Phosphorus	EPA 6010B	10K2939	0.020	0.040	**0.054**	1	11/23/10	11/25/10	
Potassium	EPA 6010B	10K2939	0.37	0.50	**13**	1	11/23/10	11/25/10	
Sodium	EPA 6010B	10K2939	0.19	0.50	**210**	1	11/23/10	11/25/10	
Strontium	EPA 6010B	10K2939	0.0050	0.020	**1.1**	1	11/23/10	11/25/10	
Tin	EPA 6010B	10K2939	0.012	0.10	ND	1	11/23/10	11/25/10	
Titanium	EPA 6010B	10K2939	0.0020	0.0050	**0.0043**	1	11/23/10	11/25/10	J
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/l									
Boron	EPA 6010B	10K2939	0.020	0.050	**0.66**	1	11/23/10	11/25/10	
Calcium	EPA 6010B	10K2939	0.050	0.10	**58**	1	11/23/10	11/25/10	
Iron	EPA 6010B	10K2939	0.015	0.040	**0.19**	1	11/23/10	11/25/10	
Lithium	EPA 6010B	10K2939	0.030	0.050	**0.062**	1	11/23/10	11/25/10	
Magnesium	EPA 6010B	10K2939	0.012	0.020	**10**	1	11/23/10	11/25/10	
Phosphorus	EPA 6010B	10K2939	0.020	0.040	**0.052**	1	11/23/10	11/25/10	
Potassium	EPA 6010B	10K2939	0.37	0.50	**12**	1	11/23/10	11/25/10	
Sodium	EPA 6010B	10K2939	0.19	0.50	**200**	1	11/23/10	11/25/10	
Strontium	EPA 6010B	10K2939	0.0050	0.020	**1.1**	1	11/23/10	11/25/10	
Tin	EPA 6010B	10K2939	0.012	0.10	ND	1	11/23/10	11/25/10	
Titanium	EPA 6010B	10K2939	0.0020	0.0050	**0.0043**	1	11/23/10	11/25/10	J

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: ug/l									
Aluminum	EPA 6020	10K3433	8.5	10	**130**	1	11/29/10	12/01/10	
Uranium	EPA 6020	10K3433	0.20	1.0	**10**	1	11/29/10	12/01/10	
Antimony	EPA 6020	10K3433	0.30	2.0	**0.35**	1	11/29/10	11/30/10	J
Arsenic	EPA 6020	10K3433	0.90	1.0	**10**	1	11/29/10	11/30/10	
Barium	EPA 6020	10K3433	0.30	1.0	**83**	1	11/29/10	12/01/10	
Beryllium	EPA 6020	10K3433	0.10	0.50	ND	1	11/29/10	11/30/10	M2
Cadmium	EPA 6020	10K3433	0.10	1.0	**0.21**	1	11/29/10	11/30/10	J
Chromium	EPA 6020	10K3433	0.90	2.0	**31**	1	11/29/10	11/30/10	
Cobalt	EPA 6020	10K3433	0.10	1.0	**1.4**	1	11/29/10	12/01/10	
Copper	EPA 6020	10K3433	0.50	2.0	**7.2**	1	11/29/10	12/01/10	M2
Lead	EPA 6020	10K3433	0.20	1.0	**0.34**	1	11/29/10	11/30/10	J
Manganese	EPA 6020	10K3433	0.70	1.0	**59**	1	11/29/10	11/30/10	M2
Molybdenum	EPA 6020	10K3433	0.20	2.0	**36**	1	11/29/10	11/30/10	
Nickel	EPA 6020	10K3433	0.50	2.0	**16**	1	11/29/10	12/01/10	M2
Selenium	EPA 6020	10K3433	0.50	2.0	**3.7**	1	11/29/10	12/01/10	M1
Silver	EPA 6020	10K3433	0.10	1.0	ND	1	11/29/10	12/01/10	
Thallium	EPA 6020	10K3433	0.20	1.0	ND	1	11/29/10	11/30/10	
Vanadium	EPA 6020	10K3433	0.80	2.0	**7.6**	1	11/29/10	12/01/10	
Zinc	EPA 6020	10K3433	4.0	20	**310**	1	11/29/10	12/01/10	
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Aluminum	EPA 6020	10K3433	8.5	10	**120**	1	11/29/10	12/01/10	
Uranium	EPA 6020	10K3433	0.20	1.0	**3.3**	1	11/29/10	12/01/10	
Antimony	EPA 6020	10K3433	0.30	2.0	**0.44**	1	11/29/10	11/30/10	J
Arsenic	EPA 6020	10K3433	0.90	1.0	**11**	1	11/29/10	11/30/10	
Barium	EPA 6020	10K3433	0.30	1.0	**20**	1	11/29/10	12/01/10	
Beryllium	EPA 6020	10K3433	0.10	0.50	ND	1	11/29/10	11/30/10	
Cadmium	EPA 6020	10K3433	0.10	1.0	ND	1	11/29/10	11/30/10	
Chromium	EPA 6020	10K3433	0.90	2.0	**18**	1	11/29/10	11/30/10	
Cobalt	EPA 6020	10K3433	0.10	1.0	**0.25**	1	11/29/10	12/01/10	J
Copper	EPA 6020	10K3433	0.50	2.0	**3.0**	1	11/29/10	12/01/10	
Lead	EPA 6020	10K3433	0.20	1.0	ND	1	11/29/10	11/30/10	
Manganese	EPA 6020	10K3433	0.70	1.0	**6.5**	1	11/29/10	11/30/10	
Molybdenum	EPA 6020	10K3433	0.20	2.0	**32**	1	11/29/10	11/30/10	
Nickel	EPA 6020	10K3433	0.50	2.0	**2.0**	1	11/29/10	12/01/10	
Selenium	EPA 6020	10K3433	0.50	2.0	**2.7**	1	11/29/10	12/01/10	
Silver	EPA 6020	10K3433	0.10	1.0	ND	1	11/29/10	12/01/10	
Thallium	EPA 6020	10K3433	0.20	1.0	ND	1	11/29/10	11/30/10	
Vanadium	EPA 6020	10K3433	0.80	2.0	**10**	1	11/29/10	12/01/10	
Zinc	EPA 6020	10K3433	4.0	20	**58**	1	11/29/10	12/01/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Aluminum	EPA 6020	10K3433	8.5	10	**120**	1	11/29/10	12/01/10	
Uranium	EPA 6020	10K3433	0.20	1.0	**3.4**	1	11/29/10	12/01/10	
Antimony	EPA 6020	10K3433	0.30	2.0	**0.41**	1	11/29/10	11/30/10	J
Arsenic	EPA 6020	10K3433	0.90	1.0	**10**	1	11/29/10	11/30/10	
Barium	EPA 6020	10K3433	0.30	1.0	**20**	1	11/29/10	12/01/10	
Beryllium	EPA 6020	10K3433	0.10	0.50	ND	1	11/29/10	11/30/10	
Cadmium	EPA 6020	10K3433	0.10	1.0	ND	1	11/29/10	11/30/10	
Chromium	EPA 6020	10K3433	0.90	2.0	**15**	1	11/29/10	11/30/10	
Cobalt	EPA 6020	10K3433	0.10	1.0	**0.25**	1	11/29/10	12/01/10	J
Copper	EPA 6020	10K3433	0.50	2.0	**2.9**	1	11/29/10	12/01/10	
Lead	EPA 6020	10K3433	0.20	1.0	ND	1	11/29/10	11/30/10	
Manganese	EPA 6020	10K3433	0.70	1.0	**8.5**	1	11/29/10	11/30/10	
Molybdenum	EPA 6020	10K3433	0.20	2.0	**32**	1	11/29/10	11/30/10	
Nickel	EPA 6020	10K3433	0.50	2.0	**1.7**	1	11/29/10	12/01/10	J
Selenium	EPA 6020	10K3433	0.50	2.0	**3.0**	1	11/29/10	12/01/10	
Silver	EPA 6020	10K3433	0.10	1.0	ND	1	11/29/10	12/01/10	
Thallium	EPA 6020	10K3433	0.20	1.0	ND	1	11/29/10	11/30/10	
Vanadium	EPA 6020	10K3433	0.80	2.0	**10**	1	11/29/10	12/01/10	
Zinc	EPA 6020	10K3433	4.0	20	**53**	1	11/29/10	12/01/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

DISSOLVED INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2337	0.00025	0.0020	**0.0032**	1	11/18/10	11/18/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	10K2337	0.00025	0.0020	**0.0022**	1	11/18/10	11/18/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**92**	1	11/24/10	11/24/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**92**	1	11/24/10	11/24/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Bromide	EPA 9056	10K2296	3.5	5.0	ND	10	11/18/10	11/18/10	RL1
Chloride	EPA 9056	10K2296	120	250	**1600**	500	11/18/10	11/19/10	
Fluoride	EPA 9056	10K3147	1.5	5.0	**4.3**	10	11/24/10	11/24/10	RL3, J
Orthophosphate - P	EPA 9056	10K2296	1.3	1.6	ND	10	11/18/10	11/18/10	RL1
Phosphorus	EPA 365.3	10K3556	0.040	0.10	ND	2	11/30/10	11/30/10	
Sulfate	EPA 9056	10K2296	100	250	**1500**	500	11/18/10	11/19/10	
Total Dissolved Solids	SM2540C	10K2734	10	100	**5800**	1	11/22/10	11/22/10	
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**76**	1	11/24/10	11/24/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**76**	1	11/24/10	11/24/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Bromide	EPA 9056	10K2296	0.35	0.50	**0.49**	1	11/18/10	11/18/10	J
Chloride	EPA 9056	10K2296	12	25	**210**	50	11/18/10	11/19/10	
Total Cyanide	EPA 9014	10K2390	0.017	0.025	ND	1	11/18/10	11/18/10	
Fluoride	EPA 9056	10K3147	0.15	0.50	**0.92**	1	11/24/10	11/24/10	
Nitrate-N	EPA 9056	10K2296	0.060	0.11	ND	1	11/18/10	11/18/10	
Nitrite-N	EPA 9056	10K2392	0.090	0.15	ND	1	11/18/10	11/19/10	
Orthophosphate - P	EPA 9056	10K2296	0.13	0.16	ND	1	11/18/10	11/18/10	
Phosphorus	EPA 365.3	10K3556	0.040	0.10	ND	2	11/30/10	11/30/10	
Sulfate	EPA 9056	10K2296	10	25	**300**	50	11/18/10	11/19/10	
Total Dissolved Solids	SM2540C	10K2734	1.0	10	**920**	1	11/22/10	11/22/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**64**	1	11/24/10	11/24/10	
Bicarbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	**64**	1	11/24/10	11/24/10	
Carbonate Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Hydroxide Alkalinity as CaCO3	SM2320B	10K3163	2.0	2.0	ND	1	11/24/10	11/24/10	
Ammonia-N	SM4500NH3-D	10K2597	0.10	0.50	ND	1	11/19/10	11/19/10	
Bromide	EPA 9056	10K2296	0.35	0.50	**0.48**	1	11/18/10	11/18/10	J
Chloride	EPA 9056	10K2296	12	25	**210**	50	11/18/10	11/19/10	
Total Cyanide	EPA 9014	10K2390	0.017	0.025	ND	1	11/18/10	11/18/10	
Fluoride	EPA 9056	10K3147	0.15	0.50	**0.96**	1	11/24/10	11/24/10	
Nitrate-N	EPA 9056	10K2296	0.060	0.11	ND	1	11/18/10	11/18/10	
Nitrite-N	EPA 9056	10K2392	0.090	0.15	ND	1	11/18/10	11/19/10	
Orthophosphate - P	EPA 9056	10K2296	0.13	0.16	ND	1	11/18/10	11/18/10	
Phosphorus	EPA 365.3	10K3556	0.040	0.10	ND	2	11/30/10	11/30/10	
Sulfate	EPA 9056	10K2296	10	25	**300**	50	11/18/10	11/19/10	
Total Dissolved Solids	SM2540C	10K2761	1.0	10	**900**	1	11/22/10	11/22/10	
Sample ID: ITK1858-02 (MC-MW-32 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10K2481	0.100	0.100	**7.47**	1	11/19/10	11/19/10	HFT
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10K2481	0.100	0.100	**8.20**	1	11/19/10	11/19/10	HFT
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	10K2481	0.100	0.100	**8.36**	1	11/19/10	11/19/10	HFT

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

General Chemistry Parameters

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/L									
Total Inorganic Carbon	SM 5310C	10L3671	N/A	1.00	**23.2**	1	12/17/10	12/20/10	H2
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/L									
Total Inorganic Carbon	SM 5310C	10L3671	N/A	1.00	**24.3**	1	12/17/10	12/20/10	H2

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

Aldehydes by EPA Method 8315A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-02RE1 (MC-MW-32 - Water)									
Reporting Units: ug/L									
Acetaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Formaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Surrogate: Butyraldehyde (54-128%)					*90 %*				
Sample ID: ITK1858-03RE1 (MC-MW-33 - Water)									
Reporting Units: ug/L									
Acetaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Formaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Surrogate: Butyraldehyde (54-128%)					*84 %*				
Sample ID: ITK1858-04RE1 (MC-MW-33B - Water)									
Reporting Units: ug/L									
Acetaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Formaldehyde	SW846 8315A	10K4513	N/A	50.0	ND	1	11/27/10	11/27/10	H2
Surrogate: Butyraldehyde (54-128%)					*81 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	334225	0.00038	0.2	**0.0095**	0.98	11/30/10	12/14/10	Ca, J, Ba
PCB 105 (BZ)	EPA-14 1668	334225	0.00063	0.02	**0.038**	0.98	11/30/10	12/14/10	Ca, Ba
PCB 11 (BZ)	EPA-14 1668	334225	0.00074	0.2	**0.55**	0.98	11/30/10	12/14/10	Ba
PCB 114 (BZ)	EPA-14 1668	334225	0.00062	0.02	ND	0.98	11/30/10	12/14/10	
PCB 118 (BZ)	EPA-14 1668	334225	0.00062	0.02	**0.1**	0.98	11/30/10	12/14/10	Ca, Ba
PCB 12 (BZ)	EPA-14 1668	334225	0.00077	0.2	**0.029**	0.98	11/30/10	12/14/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	334225	0.0029	0.02	ND	0.98	11/30/10	12/14/10	
PCB 126 (BZ)	EPA-14 1668	334225	0.00063	0.02	ND	0.98	11/30/10	12/14/10	
PCB 13 (BZ)	EPA-14 1668	334225	0.00077	0.2	**0.029**	0.98	11/30/10	12/14/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	334225	0.00071	0.2	ND	0.98	11/30/10	12/14/10	
PCB 15 (BZ)	EPA-14 1668	334225	0.00038	0.2	**0.004**	0.98	11/30/10	12/14/10	J, Ba
PCB 156 (BZ)	EPA-14 1668	334225	0.00047	0.02	**0.012**	0.98	11/30/10	12/14/10	J, Ba
PCB 157 (BZ)	EPA-14 1668	334225	0.00045	0.02	**0.0028**	0.98	11/30/10	12/14/10	J, Ba
PCB 167 (BZ)	EPA-14 1668	334225	0.00053	0.02	**0.0025**	0.98	11/30/10	12/14/10	J, Q, Ba
PCB 169 (BZ)	EPA-14 1668	334225	0.00044	0.02	**0.00069**	0.98	11/30/10	12/14/10	J, Q, Ba
PCB 189 (BZ)	EPA-14 1668	334225	0.00035	0.02	**0.0012**	0.98	11/30/10	12/14/10	J
PCB 4 (BZ)	EPA-14 1668	334225	0.00038	0.2	**0.0095**	0.98	11/30/10	12/14/10	Ca, J, Ba
PCB 5 (BZ)	EPA-14 1668	334225	0.00038	0.2	**0.024**	0.98	11/30/10	12/14/10	Ca, J, Ba
PCB 6 (BZ)	EPA-14 1668	334225	0.00075	0.2	**0.1**	0.98	11/30/10	12/14/10	J
PCB 7 (BZ)	EPA-14 1668	334225	0.00071	0.2	**0.059**	0.98	11/30/10	12/14/10	Ca, J
PCB 77 (BZ)	EPA-14 1668	334225	0.0021	0.02	ND	0.98	11/30/10	12/14/10	
PCB 8 (BZ)	EPA-14 1668	334225	0.00038	0.2	**0.024**	0.98	11/30/10	12/14/10	Ca, J, Ba
PCB 81 (BZ)	EPA-14 1668	334225	0.0021	0.02	ND	0.98	11/30/10	12/14/10	
PCB 9 (BZ)	EPA-14 1668	334225	0.00071	0.2	**0.059**	0.98	11/30/10	12/14/10	Ca, J
Surrogate: 13C12-PCB 105 (25-150%)					*82 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*78 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*74 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*95 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*58 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*85 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*85 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*81 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*100 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*102 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*74 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*70 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	334225	0.0003	0.2	**0.011**	0.99	11/30/10	12/14/10	Ca, J, Ba
PCB 105 (BZ)	EPA-14 1668	334225	0.00053	0.02	**0.025**	0.99	11/30/10	12/14/10	Ca, Ba
PCB 11 (BZ)	EPA-14 1668	334225	0.00059	0.2	**0.72**	0.99	11/30/10	12/14/10	Ba
PCB 114 (BZ)	EPA-14 1668	334225	0.00053	0.02	**0.0014**	0.99	11/30/10	12/14/10	J, Q
PCB 118 (BZ)	EPA-14 1668	334225	0.00053	0.02	**0.069**	0.99	11/30/10	12/14/10	Ca, Ba
PCB 12 (BZ)	EPA-14 1668	334225	0.00061	0.2	**0.037**	0.99	11/30/10	12/14/10	Ca, J
PCB 123 (BZ)	EPA-14 1668	334225	0.0026	0.02	ND	0.99	11/30/10	12/14/10	
PCB 126 (BZ)	EPA-14 1668	334225	0.00056	0.02	ND	0.99	11/30/10	12/14/10	
PCB 13 (BZ)	EPA-14 1668	334225	0.00061	0.2	**0.037**	0.99	11/30/10	12/14/10	Ca, J
PCB 14 (BZ)	EPA-14 1668	334225	0.00056	0.2	**0.0016**	0.99	11/30/10	12/14/10	J
PCB 15 (BZ)	EPA-14 1668	334225	0.0003	0.2	**0.0055**	0.99	11/30/10	12/14/10	J, Ba
PCB 156 (BZ)	EPA-14 1668	334225	0.00046	0.02	**0.0069**	0.99	11/30/10	12/14/10	J, Ba
PCB 157 (BZ)	EPA-14 1668	334225	0.00044	0.02	**0.0017**	0.99	11/30/10	12/14/10	J, Ba
PCB 167 (BZ)	EPA-14 1668	334225	0.00052	0.02	**0.0019**	0.99	11/30/10	12/14/10	J, Ba
PCB 169 (BZ)	EPA-14 1668	334225	0.00042	0.02	ND	0.99	11/30/10	12/14/10	
PCB 189 (BZ)	EPA-14 1668	334225	0.00035	0.02	**0.00064**	0.99	11/30/10	12/14/10	J
PCB 4 (BZ)	EPA-14 1668	334225	0.0003	0.2	**0.011**	0.99	11/30/10	12/14/10	Ca, J, Ba
PCB 5 (BZ)	EPA-14 1668	334225	0.0003	0.2	**0.027**	0.99	11/30/10	12/14/10	Ca, J, Ba
PCB 6 (BZ)	EPA-14 1668	334225	0.00059	0.2	**0.13**	0.99	11/30/10	12/14/10	J
PCB 7 (BZ)	EPA-14 1668	334225	0.00056	0.2	**0.078**	0.99	11/30/10	12/14/10	Ca, J
PCB 77 (BZ)	EPA-14 1668	334225	0.0021	0.02	ND	0.99	11/30/10	12/14/10	
PCB 8 (BZ)	EPA-14 1668	334225	0.0003	0.2	**0.027**	0.99	11/30/10	12/14/10	Ca, J, Ba
PCB 81 (BZ)	EPA-14 1668	334225	0.0018	0.02	ND	0.99	11/30/10	12/14/10	
PCB 9 (BZ)	EPA-14 1668	334225	0.00056	0.2	**0.078**	0.99	11/30/10	12/14/10	Ca, J
Surrogate: 13C12-PCB 105 (25-150%)					*94 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*89 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*86 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*107 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*71 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*94 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*93 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*89 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*109 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*110 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*88 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*86 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SW846 6850-DISSx

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	0.82	5	**39**	10	12/06/10	12/11/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	340124	0.82	5	**41**	10	12/06/10	12/11/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

Anions by EPA Method 300.0/300.1/326

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0148	N/A	50	**86**	5	12/03/10	12/03/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056 M	W0L0148	N/A	50	**60**	5	12/03/10	12/03/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	43023	0.16	2.4	ND	1	11/22/10	11/29/10	
Bolstar	8141A STD	43023	0.30	0.95	ND	1	11/22/10	11/29/10	
Chlorpyrifos	8141A STD	43023	0.34	1.4	ND	1	11/22/10	11/29/10	
Coumaphos	8141A STD	43023	0.13	0.95	ND	1	11/22/10	11/29/10	
Demeton, Total	8141A STD	43023	0.20	2.9	ND	1	11/22/10	11/29/10	
Diazinon	8141A STD	43023	0.14	0.48	ND	1	11/22/10	11/29/10	
Dichlorvos	8141A STD	43023	0.15	0.48	ND	1	11/22/10	11/29/10	
Dimethoate	8141A STD	43023	0.43	1.4	ND	1	11/22/10	11/29/10	
Disulfoton	8141A STD	43023	0.31	0.95	ND	1	11/22/10	11/29/10	
EPN	8141A STD	43023	0.14	1.1	ND	1	11/22/10	11/29/10	
Ethoprop	8141A STD	43023	0.17	1.4	ND	1	11/22/10	11/29/10	
Ethyl Parathion	8141A STD	43023	0.14	0.95	ND	1	11/22/10	11/29/10	
Famphur	8141A STD	43023	0.17	0.95	ND	1	11/22/10	11/29/10	
Fensulfothion	8141A STD	43023	0.52	2.4	ND	1	11/22/10	11/29/10	
Fenthion	8141A STD	43023	0.15	2.4	ND	1	11/22/10	11/29/10	
Malathion	8141A STD	43023	0.13	1.9	ND	1	11/22/10	11/29/10	
Merphos	8141A STD	43023	0.17	4.8	ND	1	11/22/10	11/29/10	
Methyl Carbophenothion	8141A STD	43023	0.076	0.76	ND	1	11/22/10	11/29/10	
Methyl parathion	8141A STD	43023	0.13	3.8	ND	1	11/22/10	11/29/10	
Mevinphos	8141A STD	43023	0.44	5.9	ND	1	11/22/10	11/29/10	
Naled	8141A STD	43023	0.24	1.9	ND	1	11/22/10	11/29/10	
o,o',o"-Triethylphosphorothioate	8141A STD	43023	0.14	0.48	ND	1	11/22/10	11/29/10	
Phorate	8141A STD	43023	0.15	1.1	ND	1	11/22/10	11/29/10	
Ronnel	8141A STD	43023	0.11	9.5	ND	1	11/22/10	11/29/10	
Sulfotepp	8141A STD	43023	0.16	1.4	ND	1	11/22/10	11/29/10	
Tetrachlorvinphos (Stirophos)	8141A STD	43023	0.12	3.3	ND	1	11/22/10	11/29/10	
Thionazin	8141A STD	43023	0.30	0.95	ND	1	11/22/10	11/29/10	
Tokuthion	8141A STD	43023	0.12	1.5	ND	1	11/22/10	11/29/10	
Trichloronate	8141A STD	43023	0.23	1.4	ND	1	11/22/10	11/29/10	
Surrogate: Chlormefos (49-171%)					*61 %*				
Surrogate: Triphenylphosphate (60-154%)					*122 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	43023	0.16	2.4	ND	1	11/22/10	11/29/10	
Bolstar	8141A STD	43023	0.30	0.95	ND	1	11/22/10	11/29/10	
Chlorpyrifos	8141A STD	43023	0.34	1.4	ND	1	11/22/10	11/29/10	
Coumaphos	8141A STD	43023	0.13	0.95	ND	1	11/22/10	11/29/10	
Demeton, Total	8141A STD	43023	0.20	2.9	ND	1	11/22/10	11/29/10	
Diazinon	8141A STD	43023	0.14	0.48	ND	1	11/22/10	11/29/10	
Dichlorvos	8141A STD	43023	0.15	0.48	ND	1	11/22/10	11/29/10	
Dimethoate	8141A STD	43023	0.43	1.4	ND	1	11/22/10	11/29/10	
Disulfoton	8141A STD	43023	0.31	0.95	ND	1	11/22/10	11/29/10	
EPN	8141A STD	43023	0.14	1.1	ND	1	11/22/10	11/29/10	
Ethoprop	8141A STD	43023	0.17	1.4	ND	1	11/22/10	11/29/10	
Ethyl Parathion	8141A STD	43023	0.14	0.95	ND	1	11/22/10	11/29/10	
Famphur	8141A STD	43023	0.17	0.95	ND	1	11/22/10	11/29/10	
Fensulfothion	8141A STD	43023	0.52	2.4	ND	1	11/22/10	11/29/10	
Fenthion	8141A STD	43023	0.15	2.4	ND	1	11/22/10	11/29/10	
Malathion	8141A STD	43023	0.13	1.9	ND	1	11/22/10	11/29/10	
Merphos	8141A STD	43023	0.17	4.8	ND	1	11/22/10	11/29/10	
Methyl Carbophenothion	8141A STD	43023	0.076	0.76	ND	1	11/22/10	11/29/10	
Methyl parathion	8141A STD	43023	0.13	3.8	ND	1	11/22/10	11/29/10	
Mevinphos	8141A STD	43023	0.44	5.9	ND	1	11/22/10	11/29/10	
Naled	8141A STD	43023	0.24	1.9	ND	1	11/22/10	11/29/10	
o,o',o"-Triethylphosphorothioate	8141A STD	43023	0.14	0.48	ND	1	11/22/10	11/29/10	
Phorate	8141A STD	43023	0.15	1.1	ND	1	11/22/10	11/29/10	
Ronnel	8141A STD	43023	0.11	9.5	ND	1	11/22/10	11/29/10	
Sulfotepp	8141A STD	43023	0.16	1.4	ND	1	11/22/10	11/29/10	
Tetrachlorvinphos (Stirophos)	8141A STD	43023	0.12	3.3	ND	1	11/22/10	11/29/10	
Thionazin	8141A STD	43023	0.30	0.95	ND	1	11/22/10	11/29/10	
Tokuthion	8141A STD	43023	0.12	1.5	ND	1	11/22/10	11/29/10	
Trichloronate	8141A STD	43023	0.23	1.4	ND	1	11/22/10	11/29/10	
Surrogate: Chlormefos (49-171%)					*57 %*				
Surrogate: Triphenylphosphate (60-154%)					*117 %*				

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

Alpha Acids

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	**0.058**	1	11/22/10	11/22/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/22/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/22/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/22/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/22/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	**0.056**	1	11/22/10	11/23/10	
Benzenesulfonic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	25540	N/A	0.25	ND	1	11/22/10	11/23/10	
Phthalic acid	ACIDS_HPLC_W	25540	N/A	0.050	ND	1	11/22/10	11/23/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SW846 6010B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ITK1858-03 (MC-MW-33 - Water)									
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	1340	25000	**89200**	5	11/22/10	11/29/10	
Sample ID: ITK1858-04 (MC-MW-33B - Water)									
Reporting Units: ug/L									
Sulfur	SW846 6010B	326248	1340	25000	**83600**	5	11/22/10	11/29/10	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: MC-MW-32 (ITK1858-02) - Water					
EPA 9040B	1	11/17/2010 06:45	11/18/2010 09:50	11/19/2010 08:40	11/19/2010 08:40
EPA 9056	2	11/17/2010 06:45	11/18/2010 09:50	11/18/2010 19:00	11/18/2010 19:01
Sample ID: MC-MW-32 (ITK1858-02RE1) - Water					
SW846 8315A	3	11/17/2010 06:45	11/18/2010 09:50	11/27/2010 06:10	11/27/2010 18:40
Sample ID: MC-MW-33 (ITK1858-03) - Water					
EPA 7199	1	11/17/2010 12:30	11/18/2010 09:50	11/18/2010 11:40	11/18/2010 12:00
EPA 9040B	1	11/17/2010 12:30	11/18/2010 09:50	11/19/2010 08:40	11/19/2010 08:40
EPA 9056	2	11/17/2010 12:30	11/18/2010 09:50	11/18/2010 19:00	11/18/2010 19:19
Nitrite-N				11/18/2010 16:15	11/19/2010 05:40
Orthophosphate - P				11/18/2010 19:00	11/18/2010 19:19
Sample ID: MC-MW-33 (ITK1858-03RE1) - Water					
SW846 8315A	3	11/17/2010 12:30	11/18/2010 09:50	11/27/2010 06:10	11/27/2010 18:57
Sample ID: MC-MW-33B (ITK1858-04) - Water					
EPA 7199	1	11/17/2010 12:30	11/18/2010 09:50	11/18/2010 11:40	11/18/2010 12:11
EPA 9040B	1	11/17/2010 12:30	11/18/2010 09:50	11/19/2010 08:40	11/19/2010 08:40
EPA 9056	2	11/17/2010 12:30	11/18/2010 09:50	11/18/2010 19:00	11/18/2010 19:37
Nitrite-N				11/18/2010 16:15	11/19/2010 06:10
Orthophosphate - P				11/18/2010 19:00	11/18/2010 19:37
Sample ID: MC-MW-33B (ITK1858-04RE1) - Water					
SW846 8315A	3	11/17/2010 12:30	11/18/2010 09:50	11/27/2010 06:10	11/27/2010 19:14

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2583 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2583-BLK1)											
DRO (C10-C24)	ND	0.50	0.10	mg/l							
ORO (C25-C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C28)	ND	0.50	0.10	mg/l							
Surrogate: n-Octacosane	*0.149*			*mg/l*	*0.200*		*74*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2583-BS1)											
EFH (C10 - C28)	0.665	0.50	0.10	mg/l	1.00		66	40-115			
Surrogate: n-Octacosane	*0.153*			*mg/l*	*0.200*		*76*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2583-MS1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.625	0.48	0.095	mg/l	0.952	ND	66	40-120			
Surrogate: n-Octacosane	*0.142*			*mg/l*	*0.190*		*74*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2583-MSD1)						**Source: ITK1710-04**					
EFH (C10 - C28)	0.552	0.47	0.094	mg/l	0.943	ND	58	40-120	13	30	
Surrogate: n-Octacosane	*0.125*			*mg/l*	*0.189*		*66*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3443 Extracted: 11/29/10											
Blank Analyzed: 11/29/2010 (10K3443-BLK1)											
Ethanol	ND	0.50	0.30	mg/l							
Methanol	ND	0.50	0.30	mg/l							
Surrogate: 1-Pentanol	*11.5*			*mg/l*	*10.0*		*115*	*70-130*			
LCS Analyzed: 11/29/2010 (10K3443-BS1)											
Ethanol	10.1	0.50	0.30	mg/l	10.0		101	80-120			
Methanol	9.57	0.50	0.30	mg/l	10.0		96	70-120			
Surrogate: 1-Pentanol	*11.7*			*mg/l*	*10.0*		*117*	*70-130*			
Matrix Spike Analyzed: 11/29/2010 (10K3443-MS1)						**Source: ITK2421-02**					
Ethanol	10.2	0.50	0.30	mg/l	10.0	ND	102	70-130			
Methanol	9.76	0.50	0.30	mg/l	10.0	ND	98	70-130			
Surrogate: 1-Pentanol	*11.6*			*mg/l*	*10.0*		*116*	*70-130*			
Matrix Spike Dup Analyzed: 11/29/2010 (10K3443-MSD1)						**Source: ITK2421-02**					
Ethanol	9.97	0.50	0.30	mg/l	10.0	ND	100	70-130	2	25	
Methanol	9.69	0.50	0.30	mg/l	10.0	ND	97	70-130	0.7	25	
Surrogate: 1-Pentanol	*12.3*			*mg/l*	*10.0*		*123*	*70-130*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2943 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2943-BLK1)											
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	25	ug/l							
Surrogate: 4-BFB (FID)	*10.1*			*ug/l*	*10.0*		*101*	*65-140*			
LCS Analyzed: 11/23/2010 (10K2943-BS1)											
Volatile Fuel Hydrocarbons (C6-C12)	821	50	25	ug/l	800		103	80-120			
Surrogate: 4-BFB (FID)	*13.4*			*ug/l*	*10.0*		*134*	*65-140*			
Matrix Spike Analyzed: 11/23/2010 (10K2943-MS1)					**Source: ITK1710-04**						
Volatile Fuel Hydrocarbons (C6-C12)	279	50	25	ug/l	220	ND	127	65-140			
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*65-140*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2943-MSD1)					**Source: ITK1710-04**						
Volatile Fuel Hydrocarbons (C6-C12)	283	50	25	ug/l	220	ND	129	65-140	1	20	
Surrogate: 4-BFB (FID)	*10.4*			*ug/l*	*10.0*		*104*	*65-140*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2262-BLK1)											
Acetone	ND	10	4.5	ug/l							
Benzene	ND	2.0	0.28	ug/l							
Bromobenzene	ND	5.0	0.27	ug/l							
Bromochloromethane	ND	5.0	0.40	ug/l							
Bromodichloromethane	ND	2.0	0.30	ug/l							
Bromoform	ND	5.0	0.40	ug/l							
Bromomethane	ND	5.0	0.42	ug/l							
2-Butanone (MEK)	ND	10	4.7	ug/l							
n-Butylbenzene	ND	2.0	0.37	ug/l							
sec-Butylbenzene	ND	5.0	0.25	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	0.50	ug/l							
tert-Butylbenzene	ND	5.0	0.22	ug/l							
Carbon Disulfide	ND	5.0	0.48	ug/l							
Carbon tetrachloride	ND	5.0	0.28	ug/l							
2,2,3-Trimethylbutane	ND	2.0	0.50	ug/l							
Chlorobenzene	ND	2.0	0.36	ug/l							
2,2-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroethane	ND	5.0	0.40	ug/l							
2,3-Dimethylpentane	ND	2.0	0.50	ug/l							
2,4-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroform	ND	2.0	0.33	ug/l							
Chloromethane	ND	5.0	0.40	ug/l							
2-Chlorotoluene	ND	5.0	0.28	ug/l							
4-Chlorotoluene	ND	5.0	0.29	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	0.97	ug/l							
2-Methylhexane	ND	2.0	0.50	ug/l							
3,3-Dimethylpentane	ND	2.0	0.50	ug/l							
Dibromochloromethane	ND	2.0	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	0.40	ug/l							
3-Ethylpentane	ND	2.0	0.50	ug/l							
3-Methylhexane	ND	2.0	0.50	ug/l							
Dibromomethane	ND	2.0	0.36	ug/l							
1,2-Dichlorobenzene	ND	2.0	0.32	ug/l							
1,3-Dichlorobenzene	ND	2.0	0.35	ug/l							
1,4-Dichlorobenzene	ND	2.0	0.37	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2262-BLK1)											
Dichlorodifluoromethane	ND	5.0	0.26	ug/l							
1,1-Dichloroethane	ND	2.0	0.40	ug/l							
1,2-Dichloroethane	ND	2.0	0.28	ug/l							
1,1-Dichloroethene	ND	5.0	0.42	ug/l							
cis-1,2-Dichloroethene	ND	2.0	0.32	ug/l							
trans-1,2-Dichloroethene	ND	2.0	0.30	ug/l							
1,2-Dichloropropane	ND	2.0	0.35	ug/l							
1,3-Dichloropropane	ND	5.0	0.32	ug/l							
2,2-Dichloropropane	ND	2.0	0.34	ug/l							
cis-1,3-Dichloropropene	ND	2.0	0.22	ug/l							
trans-1,3-Dichloropropene	ND	2.0	0.32	ug/l							
1,1-Dichloropropene	ND	2.0	0.28	ug/l							
Dimethyl disulfide	ND	2.0	0.50	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Hexachlorobutadiene	ND	5.0	0.38	ug/l							
2-Hexanone	ND	10	2.6	ug/l							
n-Heptane	ND	5.0	0.50	ug/l							
Nonanal	ND	5.0	1.5	ug/l							
Isopropylbenzene	ND	2.0	0.25	ug/l							
p-Isopropyltoluene	ND	2.0	0.28	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	3.5	ug/l							
Methylene chloride	1.05	5.0	0.95	ug/l							*J*
Naphthalene	ND	5.0	0.41	ug/l							
n-Propylbenzene	ND	2.0	0.27	ug/l							
Styrene	ND	2.0	0.20	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	0.27	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/l							
Tetrachloroethene	ND	2.0	0.32	ug/l							
Toluene	ND	2.0	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	0.48	ug/l							
1,1,1-Trichloroethane	ND	2.0	0.30	ug/l							
1,1,2-Trichloroethane	ND	2.0	0.30	ug/l							
Trichloroethene	ND	2.0	0.26	ug/l							
Trichlorofluoromethane	ND	5.0	0.34	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2262-BLK1)											
1,2,3-Trichloropropane	ND	10	0.40	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	0.23	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	0.26	ug/l							
Vinyl chloride	ND	2.0	0.40	ug/l							
m,p-Xylenes	ND	2.0	0.60	ug/l							
o-Xylene	ND	2.0	0.30	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.4*			*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
LCS Analyzed: 11/18/2010 (10K2262-BS1)											
Acetone	16.8	10	4.5	ug/l	25.0		67	30-140			
Benzene	25.4	2.0	0.28	ug/l	25.0		102	70-120			
Bromobenzene	26.1	5.0	0.27	ug/l	25.0		104	75-120			
Bromochloromethane	27.5	5.0	0.40	ug/l	25.0		110	70-130			
Bromodichloromethane	25.8	2.0	0.30	ug/l	25.0		103	70-135			
Bromoform	23.7	5.0	0.40	ug/l	25.0		95	55-130			
Bromomethane	27.8	5.0	0.42	ug/l	25.0		111	65-140			
2-Butanone (MEK)	26.6	10	4.7	ug/l	25.0		106	40-140			
n-Butylbenzene	25.1	2.0	0.37	ug/l	25.0		101	70-130			
sec-Butylbenzene	26.2	5.0	0.25	ug/l	25.0		105	70-125			
tert-Butylbenzene	25.4	5.0	0.22	ug/l	25.0		101	70-125			
Carbon Disulfide	27.5	5.0	0.48	ug/l	25.0		110	50-130			
Carbon tetrachloride	25.3	5.0	0.28	ug/l	25.0		101	65-140			
Chlorobenzene	25.0	2.0	0.36	ug/l	25.0		100	75-120			
Chloroethane	25.9	5.0	0.40	ug/l	25.0		103	60-140			
Chloroform	24.8	2.0	0.33	ug/l	25.0		99	70-130			
Chloromethane	20.8	5.0	0.40	ug/l	25.0		83	50-140			
2-Chlorotoluene	25.3	5.0	0.28	ug/l	25.0		101	70-125			
4-Chlorotoluene	25.3	5.0	0.29	ug/l	25.0		101	75-125			
1,2-Dibromo-3-chloropropane	24.6	5.0	0.97	ug/l	25.0		98	50-135			
Dibromochloromethane	27.0	2.0	0.40	ug/l	25.0		108	70-140			
1,2-Dibromoethane (EDB)	25.3	2.0	0.40	ug/l	25.0		101	75-125			
Dibromomethane	26.1	2.0	0.36	ug/l	25.0		104	70-125			
1,2-Dichlorobenzene	27.5	2.0	0.32	ug/l	25.0		110	75-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
LCS Analyzed: 11/18/2010 (10K2262-BS1)											
1,3-Dichlorobenzene	27.0	2.0	0.35	ug/l	25.0		108	75-120			
1,4-Dichlorobenzene	27.5	2.0	0.37	ug/l	25.0		110	75-120			
Dichlorodifluoromethane	22.4	5.0	0.26	ug/l	25.0		89	35-155			
1,1-Dichloroethane	25.8	2.0	0.40	ug/l	25.0		103	70-125			
1,2-Dichloroethane	23.0	2.0	0.28	ug/l	25.0		92	60-140			
1,1-Dichloroethene	26.9	5.0	0.42	ug/l	25.0		108	70-125			
cis-1,2-Dichloroethene	27.4	2.0	0.32	ug/l	25.0		110	70-125			
trans-1,2-Dichloroethene	27.5	2.0	0.30	ug/l	25.0		110	70-125			
1,2-Dichloropropane	25.4	2.0	0.35	ug/l	25.0		102	70-125			
1,3-Dichloropropane	25.1	5.0	0.32	ug/l	25.0		100	70-120			
2,2-Dichloropropane	25.0	2.0	0.34	ug/l	25.0		100	65-140			
cis-1,3-Dichloropropene	25.0	2.0	0.22	ug/l	25.0		100	75-125			
trans-1,3-Dichloropropene	25.5	2.0	0.32	ug/l	25.0		102	70-125			
1,1-Dichloropropene	24.8	2.0	0.28	ug/l	25.0		99	75-130			
Ethylbenzene	24.7	2.0	0.25	ug/l	25.0		99	75-125			
Hexachlorobutadiene	24.4	5.0	0.38	ug/l	25.0		97	65-135			
2-Hexanone	21.2	10	2.6	ug/l	25.0		85	45-140			
Isopropylbenzene	24.9	2.0	0.25	ug/l	25.0		100	75-130			
p-Isopropyltoluene	25.6	2.0	0.28	ug/l	25.0		102	75-125			
4-Methyl-2-pentanone (MIBK)	23.3	10	3.5	ug/l	25.0		93	45-140			
Methylene chloride	26.3	5.0	0.95	ug/l	25.0		105	55-130			
Naphthalene	26.6	5.0	0.41	ug/l	25.0		106	55-135			
n-Propylbenzene	25.8	2.0	0.27	ug/l	25.0		103	75-130			
Styrene	25.2	2.0	0.20	ug/l	25.0		101	75-130			
1,1,1,2-Tetrachloroethane	24.8	5.0	0.27	ug/l	25.0		99	70-130			
1,1,2,2-Tetrachloroethane	28.0	2.0	0.30	ug/l	25.0		112	55-130			
Tetrachloroethene	24.8	2.0	0.32	ug/l	25.0		99	70-125			
Toluene	26.0	2.0	0.36	ug/l	25.0		104	70-120			
1,2,3-Trichlorobenzene	26.4	5.0	0.30	ug/l	25.0		106	65-125			
1,2,4-Trichlorobenzene	24.9	5.0	0.48	ug/l	25.0		100	70-135			
1,1,1-Trichloroethane	25.4	2.0	0.30	ug/l	25.0		102	65-135			
1,1,2-Trichloroethane	26.6	2.0	0.30	ug/l	25.0		107	70-125			
Trichloroethene	25.8	2.0	0.26	ug/l	25.0		103	70-125			
Trichlorofluoromethane	27.9	5.0	0.34	ug/l	25.0		112	65-145			
1,2,3-Trichloropropane	24.0	10	0.40	ug/l	25.0		96	60-130			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
LCS Analyzed: 11/18/2010 (10K2262-BS1)											
1,2,4-Trimethylbenzene	25.1	2.0	0.23	ug/l	25.0		100	75-125			
1,3,5-Trimethylbenzene	25.5	2.0	0.26	ug/l	25.0		102	75-125			
Vinyl chloride	22.8	2.0	0.40	ug/l	25.0		91	55-135			
m,p-Xylenes	49.5	2.0	0.60	ug/l	50.0		99	75-125			
o-Xylene	25.5	2.0	0.30	ug/l	25.0		102	75-125			
Methyl-tert-butyl Ether (MTBE)	21.0	5.0	0.32	ug/l	25.0		84	60-135			
Surrogate: 4-Bromofluorobenzene	*22.8*			*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.3*			*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Analyzed: 11/18/2010 (10K2262-MS1)						**Source: ITK1858-03**					
Acetone	15.8	10	4.5	ug/l	25.0	ND	63	20-150			
Benzene	42.4	2.0	0.28	ug/l	25.0	15.9	106	65-125			
Bromobenzene	27.7	5.0	0.27	ug/l	25.0	ND	111	70-125			
Bromochloromethane	27.1	5.0	0.40	ug/l	25.0	ND	108	65-135			
Bromodichloromethane	27.9	2.0	0.30	ug/l	25.0	1.01	107	70-135			
Bromoform	25.4	5.0	0.40	ug/l	25.0	ND	102	55-135			
Bromomethane	27.7	5.0	0.42	ug/l	25.0	ND	111	55-145			
2-Butanone (MEK)	25.8	10	4.7	ug/l	25.0	ND	103	30-145			
n-Butylbenzene	26.3	2.0	0.37	ug/l	25.0	ND	105	65-135			
sec-Butylbenzene	27.7	5.0	0.25	ug/l	25.0	ND	111	70-125			
tert-Butylbenzene	26.5	5.0	0.22	ug/l	25.0	ND	106	65-130			
Carbon Disulfide	28.1	5.0	0.48	ug/l	25.0	ND	113	40-140			
Carbon tetrachloride	26.2	5.0	0.28	ug/l	25.0	ND	105	65-140			
Chlorobenzene	37.7	2.0	0.36	ug/l	25.0	11.7	104	75-125			
Chloroethane	25.9	5.0	0.40	ug/l	25.0	ND	104	55-140			
Chloroform	34.8	2.0	0.33	ug/l	25.0	10.0	99	65-135			
Chloromethane	21.1	5.0	0.40	ug/l	25.0	ND	84	45-145			
2-Chlorotoluene	26.2	5.0	0.28	ug/l	25.0	ND	105	65-135			
4-Chlorotoluene	26.8	5.0	0.29	ug/l	25.0	ND	107	70-135			
1,2-Dibromo-3-chloropropane	25.9	5.0	0.97	ug/l	25.0	ND	104	45-145			
Dibromochloromethane	29.8	2.0	0.40	ug/l	25.0	0.650	117	65-140			
1,2-Dibromoethane (EDB)	26.5	2.0	0.40	ug/l	25.0	ND	106	70-130			
Dibromomethane	26.6	2.0	0.36	ug/l	25.0	ND	106	65-135			
1,2-Dichlorobenzene	29.3	2.0	0.32	ug/l	25.0	0.330	116	75-125			
1,3-Dichlorobenzene	27.7	2.0	0.35	ug/l	25.0	ND	111	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/18/2010 (10K2262-MS1)						**Source: ITK1858-03**					
1,4-Dichlorobenzene	30.0	2.0	0.37	ug/l	25.0	0.550	118	75-125			
Dichlorodifluoromethane	22.6	5.0	0.26	ug/l	25.0	ND	90	25-155			
1,1-Dichloroethane	25.6	2.0	0.40	ug/l	25.0	ND	102	65-130			
1,2-Dichloroethane	23.6	2.0	0.28	ug/l	25.0	ND	94	60-140			
1,1-Dichloroethene	26.6	5.0	0.42	ug/l	25.0	ND	106	60-130			
cis-1,2-Dichloroethene	28.2	2.0	0.32	ug/l	25.0	ND	113	65-130			
trans-1,2-Dichloroethene	27.0	2.0	0.30	ug/l	25.0	ND	108	65-130			
1,2-Dichloropropane	26.4	2.0	0.35	ug/l	25.0	ND	106	65-130			
1,3-Dichloropropane	26.6	5.0	0.32	ug/l	25.0	ND	107	65-135			
2,2-Dichloropropane	27.1	2.0	0.34	ug/l	25.0	ND	109	60-145			
cis-1,3-Dichloropropene	26.6	2.0	0.22	ug/l	25.0	ND	106	70-130			
trans-1,3-Dichloropropene	27.2	2.0	0.32	ug/l	25.0	ND	109	65-135			
1,1-Dichloropropene	25.6	2.0	0.28	ug/l	25.0	ND	103	70-135			
Ethylbenzene	26.0	2.0	0.25	ug/l	25.0	ND	104	65-130			
Hexachlorobutadiene	26.1	5.0	0.38	ug/l	25.0	ND	104	60-135			
2-Hexanone	22.5	10	2.6	ug/l	25.0	ND	90	25-140			
Isopropylbenzene	25.8	2.0	0.25	ug/l	25.0	ND	103	70-135			
p-Isopropyltoluene	26.7	2.0	0.28	ug/l	25.0	ND	107	65-130			
4-Methyl-2-pentanone (MIBK)	23.8	10	3.5	ug/l	25.0	ND	95	40-140			
Methylene chloride	26.3	5.0	0.95	ug/l	25.0	ND	105	50-135			
Naphthalene	28.5	5.0	0.41	ug/l	25.0	ND	114	50-140			
n-Propylbenzene	26.7	2.0	0.27	ug/l	25.0	ND	107	70-135			
Styrene	26.5	2.0	0.20	ug/l	25.0	ND	106	50-145			
1,1,1,2-Tetrachloroethane	26.5	5.0	0.27	ug/l	25.0	ND	106	65-140			
1,1,2,2-Tetrachloroethane	29.9	2.0	0.30	ug/l	25.0	ND	120	55-135			
Tetrachloroethene	26.3	2.0	0.32	ug/l	25.0	ND	105	65-130			
Toluene	26.0	2.0	0.36	ug/l	25.0	ND	104	70-125			
1,2,3-Trichlorobenzene	28.0	5.0	0.30	ug/l	25.0	ND	112	60-135			
1,2,4-Trichlorobenzene	27.7	5.0	0.48	ug/l	25.0	ND	111	65-135			
1,1,1-Trichloroethane	25.8	2.0	0.30	ug/l	25.0	ND	103	65-140			
1,1,2-Trichloroethane	28.2	2.0	0.30	ug/l	25.0	ND	113	65-130			
Trichloroethene	26.4	2.0	0.26	ug/l	25.0	ND	105	65-125			
Trichlorofluoromethane	28.1	5.0	0.34	ug/l	25.0	ND	112	60-145			
1,2,3-Trichloropropane	26.8	10	0.40	ug/l	25.0	ND	107	55-135			
1,2,4-Trimethylbenzene	26.9	2.0	0.23	ug/l	25.0	ND	107	55-135			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/18/2010 (10K2262-MS1)						**Source: ITK1858-03**					
1,3,5-Trimethylbenzene	26.7	2.0	0.26	ug/l	25.0	ND	107	70-130			
Vinyl chloride	22.8	2.0	0.40	ug/l	25.0	ND	91	45-140			
m,p-Xylenes	52.8	2.0	0.60	ug/l	50.0	ND	106	65-130			
o-Xylene	26.9	2.0	0.30	ug/l	25.0	ND	108	65-125			
Methyl-tert-butyl Ether (MTBE)	21.8	5.0	0.32	ug/l	25.0	ND	87	55-145			
Surrogate: 4-Bromofluorobenzene	*22.6*			*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Dup Analyzed: 11/18/2010 (10K2262-MSD1)						**Source: ITK1858-03**					
Acetone	13.5	10	4.5	ug/l	25.0	ND	54	20-150	16	35	
Benzene	38.2	2.0	0.28	ug/l	25.0	15.9	89	65-125	10	20	
Bromobenzene	25.5	5.0	0.27	ug/l	25.0	ND	102	70-125	8	20	
Bromochloromethane	25.3	5.0	0.40	ug/l	25.0	ND	101	65-135	7	25	
Bromodichloromethane	25.6	2.0	0.30	ug/l	25.0	1.01	98	70-135	8	20	
Bromoform	23.4	5.0	0.40	ug/l	25.0	ND	94	55-135	8	25	
Bromomethane	25.7	5.0	0.42	ug/l	25.0	ND	103	55-145	7	25	
2-Butanone (MEK)	23.8	10	4.7	ug/l	25.0	ND	95	30-145	8	40	
n-Butylbenzene	24.2	2.0	0.37	ug/l	25.0	ND	97	65-135	8	20	
sec-Butylbenzene	25.0	5.0	0.25	ug/l	25.0	ND	100	70-125	10	20	
tert-Butylbenzene	24.1	5.0	0.22	ug/l	25.0	ND	96	65-130	10	20	
Carbon Disulfide	25.7	5.0	0.48	ug/l	25.0	ND	103	40-140	9	20	
Carbon tetrachloride	23.7	5.0	0.28	ug/l	25.0	ND	95	65-140	10	25	
Chlorobenzene	34.8	2.0	0.36	ug/l	25.0	11.7	93	75-125	8	20	
Chloroethane	23.6	5.0	0.40	ug/l	25.0	ND	94	55-140	10	25	
Chloroform	31.7	2.0	0.33	ug/l	25.0	10.0	87	65-135	9	20	
Chloromethane	19.4	5.0	0.40	ug/l	25.0	ND	78	45-145	8	25	
2-Chlorotoluene	24.1	5.0	0.28	ug/l	25.0	ND	96	65-135	8	20	
4-Chlorotoluene	25.1	5.0	0.29	ug/l	25.0	ND	100	70-135	7	20	
1,2-Dibromo-3-chloropropane	23.0	5.0	0.97	ug/l	25.0	ND	92	45-145	12	30	
Dibromochloromethane	27.4	2.0	0.40	ug/l	25.0	0.650	107	65-140	8	25	
1,2-Dibromoethane (EDB)	24.5	2.0	0.40	ug/l	25.0	ND	98	70-130	8	25	
Dibromomethane	24.6	2.0	0.36	ug/l	25.0	ND	98	65-135	8	25	
1,2-Dichlorobenzene	26.6	2.0	0.32	ug/l	25.0	0.330	105	75-125	9	20	
1,3-Dichlorobenzene	25.6	2.0	0.35	ug/l	25.0	ND	102	75-125	8	20	
1,4-Dichlorobenzene	26.8	2.0	0.37	ug/l	25.0	0.550	105	75-125	11	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2262-MSD1)						**Source: ITK1858-03**					
Dichlorodifluoromethane	20.7	5.0	0.26	ug/l	25.0	ND	83	25-155	9	30	
1,1-Dichloroethane	24.1	2.0	0.40	ug/l	25.0	ND	96	65-130	6	20	
1,2-Dichloroethane	21.3	2.0	0.28	ug/l	25.0	ND	85	60-140	10	20	
1,1-Dichloroethene	24.4	5.0	0.42	ug/l	25.0	ND	97	60-130	9	20	
cis-1,2-Dichloroethene	25.5	2.0	0.32	ug/l	25.0	ND	102	65-130	10	20	
trans-1,2-Dichloroethene	24.6	2.0	0.30	ug/l	25.0	ND	98	65-130	9	20	
1,2-Dichloropropane	24.6	2.0	0.35	ug/l	25.0	ND	98	65-130	7	20	
1,3-Dichloropropane	23.8	5.0	0.32	ug/l	25.0	ND	95	65-135	11	25	
2,2-Dichloropropane	24.0	2.0	0.34	ug/l	25.0	ND	96	60-145	12	25	
cis-1,3-Dichloropropene	24.0	2.0	0.22	ug/l	25.0	ND	96	70-130	10	20	
trans-1,3-Dichloropropene	24.4	2.0	0.32	ug/l	25.0	ND	97	65-135	11	25	
1,1-Dichloropropene	23.4	2.0	0.28	ug/l	25.0	ND	94	70-135	9	20	
Ethylbenzene	24.1	2.0	0.25	ug/l	25.0	ND	97	65-130	7	20	
Hexachlorobutadiene	23.8	5.0	0.38	ug/l	25.0	ND	95	60-135	9	20	
2-Hexanone	19.8	10	2.6	ug/l	25.0	ND	79	25-140	13	35	
Isopropylbenzene	23.8	2.0	0.25	ug/l	25.0	ND	95	70-135	8	20	
p-Isopropyltoluene	24.2	2.0	0.28	ug/l	25.0	ND	97	65-130	10	20	
4-Methyl-2-pentanone (MIBK)	21.4	10	3.5	ug/l	25.0	ND	86	40-140	11	35	
Methylene chloride	24.2	5.0	0.95	ug/l	25.0	ND	97	50-135	8	20	
Naphthalene	26.1	5.0	0.41	ug/l	25.0	ND	104	50-140	9	30	
n-Propylbenzene	24.4	2.0	0.27	ug/l	25.0	ND	98	70-135	9	20	
Styrene	24.5	2.0	0.20	ug/l	25.0	ND	98	50-145	8	30	
1,1,1,2-Tetrachloroethane	24.8	5.0	0.27	ug/l	25.0	ND	99	65-140	7	20	
1,1,2,2-Tetrachloroethane	26.6	2.0	0.30	ug/l	25.0	ND	106	55-135	12	30	
Tetrachloroethene	24.4	2.0	0.32	ug/l	25.0	ND	98	65-130	8	20	
Toluene	23.9	2.0	0.36	ug/l	25.0	ND	96	70-125	8	20	
1,2,3-Trichlorobenzene	25.8	5.0	0.30	ug/l	25.0	ND	103	60-135	8	20	
1,2,4-Trichlorobenzene	25.5	5.0	0.48	ug/l	25.0	ND	102	65-135	8	20	
1,1,1-Trichloroethane	23.4	2.0	0.30	ug/l	25.0	ND	94	65-140	10	20	
1,1,2-Trichloroethane	25.5	2.0	0.30	ug/l	25.0	ND	102	65-130	10	25	
Trichloroethene	24.2	2.0	0.26	ug/l	25.0	ND	97	65-125	9	20	
Trichlorofluoromethane	26.0	5.0	0.34	ug/l	25.0	ND	104	60-145	8	25	
1,2,3-Trichloropropane	24.2	10	0.40	ug/l	25.0	ND	97	55-135	10	30	
1,2,4-Trimethylbenzene	24.5	2.0	0.23	ug/l	25.0	ND	98	55-135	9	25	
1,3,5-Trimethylbenzene	23.9	2.0	0.26	ug/l	25.0	ND	95	70-130	11	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/18/2010 (10K2262-MSD1)						**Source: ITK1858-03**					
Vinyl chloride	21.1	2.0	0.40	ug/l	25.0	ND	84	45-140	8	30	
m,p-Xylenes	50.0	2.0	0.60	ug/l	50.0	ND	100	65-130	6	25	
o-Xylene	24.5	2.0	0.30	ug/l	25.0	ND	98	65-125	9	20	
Methyl-tert-butyl Ether (MTBE)	19.9	5.0	0.32	ug/l	25.0	ND	80	55-145	9	25	
Surrogate: 4-Bromofluorobenzene	*23.7*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2262 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2262-BLK1)											
Tentatively Identified Compounds	ND	120	N/A	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2928 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2928-BLK1)											
1,2-Dibromoethane (EDB)	ND	0.0099	0.0030	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.049	0.0030	ug/l							
Surrogate: 4-Bromofluorobenzene	*4.12*			*ug/l*	*3.95*		*104*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS1)											
1,2-Dibromoethane (EDB)	0.244	0.0099	0.0030	ug/l	0.247		99	70-130			
1,2-Dibromo-3-chloropropane	0.242	0.049	0.0030	ug/l	0.247		98	70-130			
Surrogate: 4-Bromofluorobenzene	*4.16*			*ug/l*	*3.95*		*105*	*50-150*			
LCS Analyzed: 11/23/2010 (10K2928-BS2)											
1,2-Dibromoethane (EDB)	0.232	0.0099	0.0030	ug/l	0.247		94	70-130			
1,2-Dibromo-3-chloropropane	0.239	0.049	0.0030	ug/l	0.247		97	70-130			
Surrogate: 4-Bromofluorobenzene	*3.94*			*ug/l*	*3.95*		*100*	*50-150*			
LCS Dup Analyzed: 11/23/2010 (10K2928-BSD1)											
1,2-Dibromoethane (EDB)	0.110	0.0099	0.0030	ug/l	0.0987		111	70-130	12	20	
1,2-Dibromo-3-chloropropane	0.107	0.049	0.0030	ug/l	0.0987		108	70-130	10	20	
Surrogate: 4-Bromofluorobenzene	*4.29*			*ug/l*	*3.95*		*109*	*50-150*			
Matrix Spike Analyzed: 11/23/2010 (10K2928-MS1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.236	0.0099	0.0030	ug/l	0.248	ND	95	65-135			
1,2-Dibromo-3-chloropropane	0.231	0.050	0.0030	ug/l	0.248	ND	93	65-135			
Surrogate: 4-Bromofluorobenzene	*3.95*			*ug/l*	*3.96*		*100*	*50-150*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2928-MSD1)						**Source: ITK1710-04**					
1,2-Dibromoethane (EDB)	0.230	0.0098	0.0029	ug/l	0.246	ND	93	65-135	2	20	
1,2-Dibromo-3-chloropropane	0.227	0.049	0.0029	ug/l	0.246	ND	92	65-135	1	20	
Surrogate: 4-Bromofluorobenzene	*3.80*			*ug/l*	*3.93*		*97*	*50-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
Acenaphthene	ND	10	3.0	ug/l							
Acenaphthylene	ND	10	3.0	ug/l							
Aniline	ND	10	3.5	ug/l							
Anthracene	ND	10	2.5	ug/l							
Benzo(a)anthracene	ND	10	2.5	ug/l							
Benzo(a)pyrene	ND	10	3.0	ug/l							
Benzo(b)fluoranthene	ND	10	2.0	ug/l							
Benzo(g,h,i)perylene	ND	10	4.0	ug/l							
Benzo(k)fluoranthene	ND	10	2.5	ug/l							
Benzoic acid	ND	20	10	ug/l							
Benzyl alcohol	ND	20	3.5	ug/l							
4-Bromophenyl phenyl ether	ND	10	3.0	ug/l							
Butyl benzyl phthalate	ND	20	4.0	ug/l							
4-Chloro-3-methylphenol	ND	20	2.5	ug/l							
4-Chloroaniline	ND	10	2.0	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.0	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	2.5	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	4.0	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	3.0	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.5	ug/l							
Chrysene	ND	10	2.5	ug/l							
Dibenz(a,h)anthracene	ND	20	3.0	ug/l							
Dibenzofuran	ND	10	4.0	ug/l							
Di-n-butyl phthalate	ND	20	3.0	ug/l							
1,2-Dichlorobenzene	ND	10	3.0	ug/l							
1,3-Dichlorobenzene	ND	10	3.0	ug/l							
1,4-Dichlorobenzene	ND	10	2.5	ug/l							
2,2'-/4,4'-Dichlorobenzil	ND	10	4.5	ug/l							
3,3'-Dichlorobenzidine	ND	20	7.5	ug/l							
2,4-Dichlorophenol	ND	10	3.5	ug/l							
Diethyl phthalate	ND	10	3.5	ug/l							
2,4-Dimethylphenol	ND	20	3.5	ug/l							
Dimethyl phthalate	ND	10	2.5	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
4,6-Dinitro-2-methylphenol	ND	20	4.0	ug/l							
2,4-Dinitrophenol	ND	20	8.0	ug/l							
2,4-Dinitrotoluene	ND	10	3.5	ug/l							
2,6-Dinitrotoluene	ND	10	2.0	ug/l							
Di-n-octyl phthalate	ND	20	3.5	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	2.5	ug/l							
Fluoranthene	ND	10	3.0	ug/l							
Fluorene	ND	10	3.0	ug/l							
Hexachlorobenzene	ND	10	3.0	ug/l							
Hexachlorobutadiene	ND	10	4.0	ug/l							
Hexachlorocyclopentadiene	ND	20	5.0	ug/l							
Hexachloroethane	ND	10	3.5	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	3.5	ug/l							
Isophorone	ND	10	3.0	ug/l							
2-Methylnaphthalene	ND	10	2.0	ug/l							
2-Methylphenol	ND	10	3.0	ug/l							
4-Methylphenol	ND	10	3.0	ug/l							
Naphthalene	ND	10	3.0	ug/l							
2-Nitroaniline	ND	20	2.0	ug/l							
3-Nitroaniline	ND	20	3.0	ug/l							
4-Nitroaniline	ND	20	4.0	ug/l							
Nitrobenzene	ND	20	3.0	ug/l							
2-Nitrophenol	ND	10	3.5	ug/l							
4-Nitrophenol	ND	20	5.5	ug/l							
N-Nitroso-di-n-propylamine	ND	10	3.5	ug/l							
N-Nitrosodimethylamine	ND	20	2.5	ug/l							
N-Nitrosodiphenylamine	ND	10	2.0	ug/l							
Pentachlorophenol	ND	20	3.5	ug/l							
Phenanthrene	ND	10	3.5	ug/l							
Phenol	ND	10	2.0	ug/l							
Pyrene	ND	10	4.0	ug/l							
Pyridine	ND	20	2.5	ug/l							
1,2,4-Trichlorobenzene	ND	10	2.5	ug/l							
2,4,5-Trichlorophenol	ND	20	3.0	ug/l							
2,4,6-Trichlorophenol	ND	20	4.5	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/23/2010 (10K2349-BLK1)											
n-Hydroxymethylphthalimide	ND	200	25	ug/l							
Octachlorostyrene	ND	20	6.5	ug/l							
Pentachlorobenzene	ND	10	3.0	ug/l							
Phenyl disulfide	ND	10	2.5	ug/l							
Phenyl sulfide	ND	10	2.5	ug/l							
Thiophenol	ND	200	30	ug/l							
4,4'-Dichlorobenzophenone	ND	10	2.5	ug/l							
4-Chlorobenzenethiol	ND	200	40	ug/l							
4-Chlorophenyl methyl sulfide	ND	10	3.5	ug/l							
4-Chlorophenyl methyl sulfone	ND	10	3.0	ug/l							
4-Chlorophenyl sulfone	ND	10	3.5	ug/l							
Benzophenone	ND	10	3.0	ug/l							
bis(4-chlorophenyl)disulfide	ND	10	4.0	ug/l							
Diphenyl sulfone	ND	10	3.0	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	3.0	ug/l							
Surrogate: 2,4,6-Tribromophenol	*181*			*ug/l*	*200*		*91*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*74.1*			*ug/l*	*100*		*74*	*50-120*			
Surrogate: 2-Fluorophenol	*146*			*ug/l*	*200*		*73*	*30-120*			
Surrogate: Nitrobenzene-d5	*77.0*			*ug/l*	*100*		*77*	*45-120*			
Surrogate: Phenol-d6	*159*			*ug/l*	*200*		*79*	*35-120*			
Surrogate: Terphenyl-d14	*86.7*			*ug/l*	*100*		*87*	*50-125*			
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
Acenaphthene	81.7	10	3.0	ug/l	100		82	60-120			
Acenaphthylene	89.7	10	3.0	ug/l	100		90	60-120			
Aniline	80.4	10	3.5	ug/l	100		80	35-120			
Anthracene	90.8	10	2.5	ug/l	100		91	65-120			
Benzo(a)anthracene	89.4	10	2.5	ug/l	100		89	65-120			
Benzo(a)pyrene	91.3	10	3.0	ug/l	100		91	55-130			
Benzo(b)fluoranthene	89.8	10	2.0	ug/l	100		90	55-125			
Benzo(g,h,i)perylene	90.8	10	4.0	ug/l	100		91	45-135			
Benzo(k)fluoranthene	92.4	10	2.5	ug/l	100		92	50-125			
Benzoic acid	58.4	20	10	ug/l	100		58	25-120			
Benzyl alcohol	78.2	20	3.5	ug/l	100		78	50-120			
4-Bromophenyl phenyl ether	94.3	10	3.0	ug/l	100		94	60-120			
Butyl benzyl phthalate	81.4	20	4.0	ug/l	100		81	55-130			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
4-Chloro-3-methylphenol	98.5	20	2.5	ug/l	100		98	60-120			
4-Chloroaniline	82.7	10	2.0	ug/l	100		83	55-120			
Bis(2-chloroethoxy)methane	83.9	10	3.0	ug/l	100		84	55-120			
Bis(2-chloroethyl)ether	77.1	10	3.0	ug/l	100		77	50-120			
Bis(2-chloroisopropyl)ether	64.8	10	2.5	ug/l	100		65	45-120			
Bis(2-ethylhexyl)phthalate	97.9	50	4.0	ug/l	100		98	65-130			
2-Chloronaphthalene	79.6	10	3.0	ug/l	100		80	60-120			
2-Chlorophenol	70.3	10	3.0	ug/l	100		70	45-120			
4-Chlorophenyl phenyl ether	102	10	2.5	ug/l	100		102	65-120			
Chrysene	87.7	10	2.5	ug/l	100		88	65-120			
Dibenz(a,h)anthracene	89.5	20	3.0	ug/l	100		90	50-135			
Dibenzofuran	88.7	10	4.0	ug/l	100		89	65-120			
Di-n-butyl phthalate	96.5	20	3.0	ug/l	100		96	60-125			
1,2-Dichlorobenzene	63.5	10	3.0	ug/l	100		64	40-120			
1,3-Dichlorobenzene	56.9	10	3.0	ug/l	100		57	35-120			
1,4-Dichlorobenzene	59.7	10	2.5	ug/l	100		60	35-120			
2,2'-/4,4'-Dichlorobenzil	96.1	10	4.5	ug/l	100		96	50-130			
3,3'-Dichlorobenzidine	72.0	20	7.5	ug/l	100		72	45-135			
2,4-Dichlorophenol	79.3	10	3.5	ug/l	100		79	55-120			
Diethyl phthalate	103	10	3.5	ug/l	100		103	55-120			
2,4-Dimethylphenol	67.2	20	3.5	ug/l	100		67	40-120			
Dimethyl phthalate	96.5	10	2.5	ug/l	100		96	30-120			
4,6-Dinitro-2-methylphenol	94.0	20	4.0	ug/l	100		94	45-120			
2,4-Dinitrophenol	86.1	20	8.0	ug/l	100		86	40-120			
2,4-Dinitrotoluene	105	10	3.5	ug/l	100		105	65-120			
2,6-Dinitrotoluene	96.7	10	2.0	ug/l	100		97	65-120			
Di-n-octyl phthalate	92.3	20	3.5	ug/l	100		92	65-135			
1,2-Diphenylhydrazine/Azobenzene	96.0	20	2.5	ug/l	100		96	60-120			
Fluoranthene	88.5	10	3.0	ug/l	100		88	60-120			
Fluorene	98.0	10	3.0	ug/l	100		98	65-120			
Hexachlorobenzene	92.1	10	3.0	ug/l	100		92	60-120			
Hexachlorobutadiene	68.1	10	4.0	ug/l	100		68	40-120			
Hexachlorocyclopentadiene	47.6	20	5.0	ug/l	100		48	25-120			
Hexachloroethane	56.8	10	3.5	ug/l	100		57	35-120			
Indeno(1,2,3-cd)pyrene	88.9	20	3.5	ug/l	100		89	45-135			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
LCS Analyzed: 11/23/2010 (10K2349-BS1)											
Isophorone	92.1	10	3.0	ug/l	100		92	50-120			
2-Methylnaphthalene	85.1	10	2.0	ug/l	100		85	55-120			
2-Methylphenol	77.7	10	3.0	ug/l	100		78	50-120			
4-Methylphenol	83.8	10	3.0	ug/l	100		84	50-120			
Naphthalene	76.4	10	3.0	ug/l	100		76	55-120			
2-Nitroaniline	91.3	20	2.0	ug/l	100		91	65-120			
3-Nitroaniline	93.1	20	3.0	ug/l	100		93	60-120			
4-Nitroaniline	99.4	20	4.0	ug/l	100		99	55-125			
Nitrobenzene	82.1	20	3.0	ug/l	100		82	55-120			
2-Nitrophenol	75.4	10	3.5	ug/l	100		75	50-120			
4-Nitrophenol	115	20	5.5	ug/l	100		115	45-120			
N-Nitroso-di-n-propylamine	93.4	10	3.5	ug/l	100		93	45-120			
N-Nitrosodimethylamine	64.7	20	2.5	ug/l	100		65	45-120			
N-Nitrosodiphenylamine	94.5	10	2.0	ug/l	100		95	60-120			
Pentachlorophenol	97.0	20	3.5	ug/l	100		97	24-121			
Phenanthrene	90.0	10	3.5	ug/l	100		90	65-120			
Phenol	69.6	10	2.0	ug/l	100		70	40-120			
Pyrene	93.8	10	4.0	ug/l	100		94	55-125			
Pyridine	51.7	20	2.5	ug/l	100		52	30-120			
1,2,4-Trichlorobenzene	68.3	10	2.5	ug/l	100		68	45-120			
2,4,5-Trichlorophenol	83.2	20	3.0	ug/l	100		83	55-120			
2,4,6-Trichlorophenol	80.8	20	4.5	ug/l	100		81	55-120			
Surrogate: 2,4,6-Tribromophenol	*178*			*ug/l*	*200*		*89*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*79.0*			*ug/l*	*100*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*141*			*ug/l*	*200*		*71*	*30-120*			
Surrogate: Nitrobenzene-d5	*78.8*			*ug/l*	*100*		*79*	*45-120*			
Surrogate: Phenol-d6	*136*			*ug/l*	*200*		*68*	*35-120*			
Surrogate: Terphenyl-d14	*90.9*			*ug/l*	*100*		*91*	*50-125*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**						
Acenaphthene	55.6	9.5	2.9	ug/l	95.2	ND	58	60-120			*M2*
Acenaphthylene	47.2	9.5	2.9	ug/l	95.2	ND	50	60-120			*M2*
Aniline	ND	9.5	3.3	ug/l	95.2	ND		35-120			*M2*
Anthracene	67.8	9.5	2.4	ug/l	95.2	ND	71	65-120			
Benzo(a)anthracene	80.1	9.5	2.4	ug/l	95.2	ND	84	65-120			
Benzo(a)pyrene	71.8	9.5	2.9	ug/l	95.2	ND	75	55-130			
Benzo(b)fluoranthene	90.1	9.5	1.9	ug/l	95.2	ND	95	55-125			
Benzo(g,h,i)perylene	90.4	9.5	3.8	ug/l	95.2	ND	95	45-135			
Benzo(k)fluoranthene	90.9	9.5	2.4	ug/l	95.2	ND	95	55-125			
Benzoic acid	63.5	19	9.5	ug/l	95.2	ND	67	25-125			
Benzyl alcohol	80.5	19	3.3	ug/l	95.2	ND	85	40-120			
4-Bromophenyl phenyl ether	94.6	9.5	2.9	ug/l	95.2	ND	99	60-120			
Butyl benzyl phthalate	77.8	19	3.8	ug/l	95.2	ND	82	55-130			
4-Chloro-3-methylphenol	37.9	19	2.4	ug/l	95.2	ND	40	60-120			*M2*
4-Chloroaniline	ND	9.5	1.9	ug/l	95.2	ND		55-120			*M2*
Bis(2-chloroethoxy)methane	80.7	9.5	2.9	ug/l	95.2	ND	85	50-120			
Bis(2-chloroethyl)ether	72.4	9.5	2.9	ug/l	95.2	ND	76	50-120			
Bis(2-chloroisopropyl)ether	75.8	9.5	2.4	ug/l	95.2	ND	80	45-120			
Bis(2-ethylhexyl)phthalate	94.2	48	3.8	ug/l	95.2	ND	99	65-130			
2-Chloronaphthalene	72.6	9.5	2.9	ug/l	95.2	ND	76	60-120			
2-Chlorophenol	50.2	9.5	2.9	ug/l	95.2	ND	53	45-120			
4-Chlorophenyl phenyl ether	93.7	9.5	2.4	ug/l	95.2	ND	98	65-120			
Chrysene	83.5	9.5	2.4	ug/l	95.2	ND	88	65-120			
Dibenz(a,h)anthracene	85.8	19	2.9	ug/l	95.2	ND	90	45-135			
Dibenzofuran	81.4	9.5	3.8	ug/l	95.2	ND	86	65-120			
Di-n-butyl phthalate	94.6	19	2.9	ug/l	95.2	ND	99	60-125			
1,2-Dichlorobenzene	109	9.5	2.9	ug/l	95.2	ND	114	40-120			
1,3-Dichlorobenzene	65.3	9.5	2.9	ug/l	95.2	ND	69	35-120			
1,4-Dichlorobenzene	62.8	9.5	2.4	ug/l	95.2	ND	66	35-120			
2,2'-/4,4'-Dichlorobenzil	77.2	9.5	4.3	ug/l	95.2	ND	81	50-130			
3,3'-Dichlorobenzidine	ND	19	7.1	ug/l	95.2	ND		45-135			*M2*
2,4-Dichlorophenol	60.7	9.5	3.3	ug/l	95.2	ND	64	55-120			
Diethyl phthalate	94.4	9.5	3.3	ug/l	95.2	ND	99	55-120			
2,4-Dimethylphenol	ND	19	3.3	ug/l	95.2	ND		40-120			*M2*
Dimethyl phthalate	89.1	9.5	2.4	ug/l	95.2	ND	94	30-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)					**Source: ITK1710-04**						
4,6-Dinitro-2-methylphenol	104	19	3.8	ug/l	95.2	ND	109	45-120			
2,4-Dinitrophenol	75.9	19	7.6	ug/l	95.2	ND	80	40-120			
2,4-Dinitrotoluene	95.0	9.5	3.3	ug/l	95.2	ND	100	65-120			
2,6-Dinitrotoluene	89.5	9.5	1.9	ug/l	95.2	ND	94	65-120			
Di-n-octyl phthalate	90.0	19	3.3	ug/l	95.2	ND	95	65-135			
1,2-Diphenylhydrazine/Azobenzene	80.2	19	2.4	ug/l	95.2	ND	84	60-120			
Fluoranthene	82.9	9.5	2.9	ug/l	95.2	ND	87	60-120			
Fluorene	87.8	9.5	2.9	ug/l	95.2	ND	92	65-120			
Hexachlorobenzene	93.8	9.5	2.9	ug/l	95.2	ND	99	60-120			
Hexachlorobutadiene	71.4	9.5	3.8	ug/l	95.2	ND	75	40-120			
Hexachlorocyclopentadiene	57.0	19	4.8	ug/l	95.2	ND	60	25-120			
Hexachloroethane	70.1	9.5	3.3	ug/l	95.2	ND	74	35-120			
Indeno(1,2,3-cd)pyrene	86.6	19	3.3	ug/l	95.2	ND	91	40-135			
Isophorone	101	9.5	2.9	ug/l	95.2	ND	106	50-120			
2-Methylnaphthalene	54.5	9.5	1.9	ug/l	95.2	ND	57	55-120			
2-Methylphenol	13.4	9.5	2.9	ug/l	95.2	ND	14	50-120			*M2*
4-Methylphenol	13.1	9.5	2.9	ug/l	95.2	ND	14	50-120			*M2*
Naphthalene	61.0	9.5	2.9	ug/l	95.2	ND	64	55-120			
2-Nitroaniline	27.7	19	1.9	ug/l	95.2	ND	29	65-120			*M2*
3-Nitroaniline	4.74	19	2.9	ug/l	95.2	ND	5	60-120			*M2, J*
4-Nitroaniline	9.35	19	3.8	ug/l	95.2	ND	10	55-125			*M2, J*
Nitrobenzene	195	19	2.9	ug/l	95.2	ND	205	55-120			*M1*
2-Nitrophenol	88.2	9.5	3.3	ug/l	95.2	ND	93	50-120			
4-Nitrophenol	128	19	5.2	ug/l	95.2	ND	134	45-120			*M1*
N-Nitroso-di-n-propylamine	106	9.5	3.3	ug/l	95.2	ND	111	45-120			
N-Nitrosodimethylamine	56.3	19	2.4	ug/l	95.2	ND	59	45-120			
N-Nitrosodiphenylamine	32.3	9.5	1.9	ug/l	95.2	ND	34	60-120			*M2*
Pentachlorophenol	93.4	19	3.3	ug/l	95.2	ND	98	24-121			
Phenanthrene	79.3	9.5	3.3	ug/l	95.2	ND	83	65-120			
Phenol	10.6	9.5	1.9	ug/l	95.2	ND	11	40-120			*M2*
Pyrene	66.8	9.5	3.8	ug/l	95.2	ND	70	55-125			
Pyridine	44.0	19	2.4	ug/l	95.2	ND	46	30-120			
1,2,4-Trichlorobenzene	70.6	9.5	2.4	ug/l	95.2	ND	74	45-120			
2,4,5-Trichlorophenol	73.0	19	2.9	ug/l	95.2	ND	77	55-120			
2,4,6-Trichlorophenol	78.1	19	4.3	ug/l	95.2	ND	82	55-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Analyzed: 11/23/2010 (10K2349-MS1)						**Source: ITK1710-04**					
Surrogate: 2,4,6-Tribromophenol	*102*			*ug/l*	*190*		*54*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*75.5*			*ug/l*	*95.2*		*79*	*50-120*			
Surrogate: 2-Fluorophenol	*59.9*			*ug/l*	*190*		*31*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.3*			*ug/l*	*95.2*		*92*	*45-120*			
Surrogate: Phenol-d6	*14.3*			*ug/l*	*190*		*8*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*46.6*			*ug/l*	*95.2*		*49*	*50-125*			*Z*
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)						**Source: ITK1710-04**					
Acenaphthene	55.9	9.5	2.9	ug/l	95.2	ND	59	60-120	0.4	25	*M2*
Acenaphthylene	54.9	9.5	2.9	ug/l	95.2	ND	58	60-120	15	25	*M2*
Aniline	ND	9.5	3.3	ug/l	95.2	ND		35-120		30	*M2*
Anthracene	63.4	9.5	2.4	ug/l	95.2	ND	67	65-120	7	25	
Benzo(a)anthracene	78.2	9.5	2.4	ug/l	95.2	ND	82	65-120	2	20	
Benzo(a)pyrene	66.0	9.5	2.9	ug/l	95.2	ND	69	55-130	8	25	
Benzo(b)fluoranthene	84.0	9.5	1.9	ug/l	95.2	ND	88	55-125	7	25	
Benzo(g,h,i)perylene	87.0	9.5	3.8	ug/l	95.2	ND	91	45-135	4	30	
Benzo(k)fluoranthene	90.2	9.5	2.4	ug/l	95.2	ND	95	55-125	0.7	30	
Benzoic acid	59.2	19	9.5	ug/l	95.2	ND	62	25-125	7	30	
Benzyl alcohol	76.2	19	3.3	ug/l	95.2	ND	80	40-120	5	30	
4-Bromophenyl phenyl ether	91.0	9.5	2.9	ug/l	95.2	ND	96	60-120	4	25	
Butyl benzyl phthalate	75.1	19	3.8	ug/l	95.2	ND	79	55-130	4	25	
4-Chloro-3-methylphenol	33.9	19	2.4	ug/l	95.2	ND	36	60-120	11	25	*M2*
4-Chloroaniline	ND	9.5	1.9	ug/l	95.2	ND		55-120		25	*M2*
Bis(2-chloroethoxy)methane	77.1	9.5	2.9	ug/l	95.2	ND	81	50-120	5	25	
Bis(2-chloroethyl)ether	72.0	9.5	2.9	ug/l	95.2	ND	76	50-120	0.6	25	
Bis(2-chloroisopropyl)ether	59.4	9.5	2.4	ug/l	95.2	ND	62	45-120	24	25	
Bis(2-ethylhexyl)phthalate	89.5	48	3.8	ug/l	95.2	ND	94	65-130	5	25	
2-Chloronaphthalene	80.8	9.5	2.9	ug/l	95.2	ND	85	60-120	11	20	
2-Chlorophenol	46.7	9.5	2.9	ug/l	95.2	ND	49	45-120	7	25	
4-Chlorophenyl phenyl ether	90.3	9.5	2.4	ug/l	95.2	ND	95	65-120	4	25	
Chrysene	79.5	9.5	2.4	ug/l	95.2	ND	83	65-120	5	25	
Dibenz(a,h)anthracene	83.0	19	2.9	ug/l	95.2	ND	87	45-135	3	30	
Dibenzofuran	78.6	9.5	3.8	ug/l	95.2	ND	83	65-120	4	25	
Di-n-butyl phthalate	95.2	19	2.9	ug/l	95.2	ND	100	60-125	0.6	25	
1,2-Dichlorobenzene	99.4	9.5	2.9	ug/l	95.2	ND	104	40-120	9	25	
1,3-Dichlorobenzene	65.4	9.5	2.9	ug/l	95.2	ND	69	35-120	0.1	25	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)						**Source: ITK1710-04**					
1,4-Dichlorobenzene	62.9	9.5	2.4	ug/l	95.2	ND	66	35-120	0.2	25	
2,2'-/4,4'-Dichlorobenzil	73.3	9.5	4.3	ug/l	95.2	ND	77	50-130	5	30	
3,3'-Dichlorobenzidine	ND	19	7.1	ug/l	95.2	ND		45-135		25	*M2*
2,4-Dichlorophenol	54.9	9.5	3.3	ug/l	95.2	ND	58	55-120	10	25	
Diethyl phthalate	93.8	9.5	3.3	ug/l	95.2	ND	98	55-120	0.6	30	
2,4-Dimethylphenol	ND	19	3.3	ug/l	95.2	ND		40-120		25	*M2*
Dimethyl phthalate	99.8	9.5	2.4	ug/l	95.2	ND	105	30-120	11	30	
4,6-Dinitro-2-methylphenol	96.6	19	3.8	ug/l	95.2	ND	101	45-120	7	25	
2,4-Dinitrophenol	65.1	19	7.6	ug/l	95.2	ND	68	40-120	15	25	
2,4-Dinitrotoluene	94.3	9.5	3.3	ug/l	95.2	ND	99	65-120	0.7	25	
2,6-Dinitrotoluene	101	9.5	1.9	ug/l	95.2	ND	106	65-120	12	20	
Di-n-octyl phthalate	86.6	19	3.3	ug/l	95.2	ND	91	65-135	4	20	
1,2-Diphenylhydrazine/Azobenzene	77.8	19	2.4	ug/l	95.2	ND	82	60-120	3	25	
Fluoranthene	84.6	9.5	2.9	ug/l	95.2	ND	89	60-120	2	25	
Fluorene	85.0	9.5	2.9	ug/l	95.2	ND	89	65-120	3	25	
Hexachlorobenzene	89.7	9.5	2.9	ug/l	95.2	ND	94	60-120	5	25	
Hexachlorobutadiene	70.7	9.5	3.8	ug/l	95.2	ND	74	40-120	1	25	
Hexachlorocyclopentadiene	61.8	19	4.8	ug/l	95.2	ND	65	25-120	8	30	
Hexachloroethane	61.7	9.5	3.3	ug/l	95.2	ND	65	35-120	13	25	
Indeno(1,2,3-cd)pyrene	81.4	19	3.3	ug/l	95.2	ND	85	40-135	6	30	
Isophorone	82.6	9.5	2.9	ug/l	95.2	ND	87	50-120	20	25	
2-Methylnaphthalene	63.7	9.5	1.9	ug/l	95.2	ND	67	55-120	16	20	
2-Methylphenol	9.77	9.5	2.9	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3*
4-Methylphenol	9.43	9.5	2.9	ug/l	95.2	ND	10	50-120	32	25	*M2, R-3, J*
Naphthalene	57.5	9.5	2.9	ug/l	95.2	ND	60	55-120	6	25	
2-Nitroaniline	29.5	19	1.9	ug/l	95.2	ND	31	65-120	6	25	*M2*
3-Nitroaniline	ND	19	2.9	ug/l	95.2	ND		60-120		25	*M2*
4-Nitroaniline	5.28	19	3.8	ug/l	95.2	ND	6	55-125	56	25	*M2, R-3, J*
Nitrobenzene	169	19	2.9	ug/l	95.2	ND	177	55-120	15	25	*M1*
2-Nitrophenol	72.2	9.5	3.3	ug/l	95.2	ND	76	50-120	20	25	
4-Nitrophenol	111	19	5.2	ug/l	95.2	ND	117	45-120	14	30	
N-Nitroso-di-n-propylamine	86.7	9.5	3.3	ug/l	95.2	ND	91	45-120	20	25	
N-Nitrosodimethylamine	57.8	19	2.4	ug/l	95.2	ND	61	45-120	3	25	
N-Nitrosodiphenylamine	11.2	9.5	1.9	ug/l	95.2	ND	12	60-120	97	25	*M2, R-3*
Pentachlorophenol	88.5	19	3.3	ug/l	95.2	ND	93	24-121	5	25	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/23/2010 (10K2349-MSD1)						**Source: ITK1710-04**					
Phenanthrene	77.8	9.5	3.3	ug/l	95.2	ND	82	65-120	2	25	
Phenol	7.14	9.5	1.9	ug/l	95.2	ND	8	40-120	39	25	*M2, R-3, J*
Pyrene	64.7	9.5	3.8	ug/l	95.2	ND	68	55-125	3	25	
Pyridine	46.8	19	2.4	ug/l	95.2	ND	49	30-120	6	30	
1,2,4-Trichlorobenzene	68.6	9.5	2.4	ug/l	95.2	ND	72	45-120	3	20	
2,4,5-Trichlorophenol	77.3	19	2.9	ug/l	95.2	ND	81	55-120	6	30	
2,4,6-Trichlorophenol	83.9	19	4.3	ug/l	95.2	ND	88	55-120	7	30	
Surrogate: 2,4,6-Tribromophenol	*91.2*			*ug/l*	*190*		*48*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*84.0*			*ug/l*	*95.2*		*88*	*50-120*			
Surrogate: 2-Fluorophenol	*52.2*			*ug/l*	*190*		*27*	*30-120*			*Z*
Surrogate: Nitrobenzene-d5	*74.9*			*ug/l*	*95.2*		*79*	*45-120*			
Surrogate: Phenol-d6	*9.16*			*ug/l*	*190*		*5*	*35-120*			*Z*
Surrogate: Terphenyl-d14	*47.2*			*ug/l*	*95.2*		*50*	*50-125*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2644 Extracted: 11/20/10											
Blank Analyzed: 11/22/2010 (10K2644-BLK1)											
1,4-Dioxane	ND	1.0	0.30	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.17*			*ug/l*	*2.00*		*58*	*30-120*			
LCS Analyzed: 11/22/2010 (10K2644-BS1)											
1,4-Dioxane	1.24	1.0	0.30	ug/l	2.00		62	35-120			
Surrogate: 1,4-Dioxane-d8	*1.26*			*ug/l*	*2.00*		*63*	*30-120*			
Matrix Spike Analyzed: 11/22/2010 (10K2644-MS1)						**Source: ITK1710-04**					
1,4-Dioxane	1.62	0.96	0.29	ug/l	1.92	0.467	60	35-120			
Surrogate: 1,4-Dioxane-d8	*1.36*			*ug/l*	*1.92*		*71*	*30-120*			
Matrix Spike Dup Analyzed: 11/22/2010 (10K2644-MSD1)						**Source: ITK1710-04**					
1,4-Dioxane	1.64	0.94	0.28	ug/l	1.89	0.467	62	35-120	1	25	
Surrogate: 1,4-Dioxane-d8	*1.33*			*ug/l*	*1.89*		*71*	*30-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2767 Extracted: 11/23/10											
Blank Analyzed: 11/23/2010 (10K2767-BLK1)											
Dichloroacetaldehyde	ND	350	40	ug/l							
Trichloroacetaldehyde	ND	150	27	ug/l							
Surrogate: 1,4-Dioxane-d8	*371*			*ug/l*	*667*		*56*	*20-120*			
LCS Analyzed: 11/23/2010 (10K2767-BS1)											
Dichloroacetaldehyde	299	350	40	ug/l	667		45	10-120			*J*
Trichloroacetaldehyde	711	150	27	ug/l	667		107	20-120			
Surrogate: 1,4-Dioxane-d8	*403*			*ug/l*	*667*		*60*	*20-120*			
Matrix Spike Analyzed: 11/23/2010 (10K2767-MS1)						**Source: ITK1710-04**					
Dichloroacetaldehyde	270	350	40	ug/l	667	ND	40	10-120			*J*
Trichloroacetaldehyde	613	150	27	ug/l	667	ND	92	20-120			
Surrogate: 1,4-Dioxane-d8	*351*			*ug/l*	*667*		*53*	*20-120*			
Matrix Spike Dup Analyzed: 11/23/2010 (10K2767-MSD1)						**Source: ITK1710-04**					
Dichloroacetaldehyde	285	350	40	ug/l	667	ND	43	10-120	5	30	*J*
Trichloroacetaldehyde	609	150	27	ug/l	667	ND	91	20-120	0.7	30	
Surrogate: 1,4-Dioxane-d8	*330*			*ug/l*	*667*		*50*	*20-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2349 Extracted: 11/18/10											
Blank Analyzed: 11/24/2010 (10K2349-BLK1)											
Tentatively Identified Compounds	ND	50	N/A	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
2,4'-DDD	ND	0.10	0.020	ug/l							
2,4'-DDE	ND	0.10	0.020	ug/l							
2,4'-DDT	ND	0.10	0.020	ug/l							
4,4'-DDD	ND	0.10	0.030	ug/l							
4,4'-DDE	ND	0.10	0.030	ug/l							
4,4'-DDT	ND	0.10	0.030	ug/l							
Aldrin	ND	0.10	0.030	ug/l							
alpha-BHC	ND	0.10	0.020	ug/l							
beta-BHC	ND	0.10	0.040	ug/l							
delta-BHC	ND	0.20	0.020	ug/l							
Dieldrin	ND	0.10	0.030	ug/l							
Endosulfan I	ND	0.10	0.030	ug/l							
Endosulfan II	ND	0.10	0.040	ug/l							
Endosulfan sulfate	ND	0.20	0.050	ug/l							
Endrin	ND	0.10	0.030	ug/l							
Endrin aldehyde	ND	0.10	0.050	ug/l							
Endrin ketone	ND	0.10	0.040	ug/l							
gamma-BHC (Lindane)	ND	0.10	0.030	ug/l							
Heptachlor	ND	0.10	0.030	ug/l							
Heptachlor epoxide	ND	0.10	0.030	ug/l							
Methoxychlor	ND	0.10	0.040	ug/l							
Chlordane	ND	1.0	0.30	ug/l							
Toxaphene	ND	5.0	0.80	ug/l							
Surrogate: Decachlorobiphenyl	*0.471*			*ug/l*	*0.500*		*94*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.408*			*ug/l*	*0.500*		*82*	*35-120*			
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
2,4'-DDD	0.439	0.10	0.020	ug/l	0.500		88	55-120			
2,4'-DDE	0.443	0.10	0.020	ug/l	0.500		89	50-120			
2,4'-DDT	0.491	0.10	0.020	ug/l	0.500		98	55-120			
4,4'-DDD	0.520	0.10	0.030	ug/l	0.500		104	55-120			
4,4'-DDE	0.515	0.10	0.030	ug/l	0.500		103	50-120			
4,4'-DDT	0.614	0.10	0.030	ug/l	0.500		123	55-120			*L*
Aldrin	0.488	0.10	0.030	ug/l	0.500		98	40-115			
alpha-BHC	0.473	0.10	0.020	ug/l	0.500		95	45-115			
beta-BHC	0.503	0.10	0.040	ug/l	0.500		101	55-115			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
LCS Analyzed: 11/22/2010 (10K2443-BS1)											
delta-BHC	0.535	0.20	0.020	ug/l	0.500		107	55-115			
Dieldrin	0.519	0.10	0.030	ug/l	0.500		104	55-115			
Endosulfan I	0.480	0.10	0.030	ug/l	0.500		96	55-115			
Endosulfan II	0.497	0.10	0.040	ug/l	0.500		99	55-120			
Endosulfan sulfate	0.556	0.20	0.050	ug/l	0.500		111	60-120			
Endrin	0.507	0.10	0.030	ug/l	0.500		101	55-115			
Endrin aldehyde	0.509	0.10	0.050	ug/l	0.500		102	50-120			
Endrin ketone	0.542	0.10	0.040	ug/l	0.500		108	55-120			
gamma-BHC (Lindane)	0.482	0.10	0.030	ug/l	0.500		96	45-115			
Heptachlor	0.525	0.10	0.030	ug/l	0.500		105	45-115			
Heptachlor epoxide	0.483	0.10	0.030	ug/l	0.500		97	55-115			
Methoxychlor	0.495	0.10	0.040	ug/l	0.500		99	60-120			
Surrogate: Decachlorobiphenyl	*0.454*			*ug/l*	*0.500*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.405*			*ug/l*	*0.500*		*81*	*35-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
2,4'-DDD	0.412	0.094	0.019	ug/l	0.472	ND	87	50-125			
2,4'-DDE	0.413	0.094	0.019	ug/l	0.472	ND	88	45-125			
2,4'-DDT	0.466	0.094	0.019	ug/l	0.472	ND	99	50-125			
4,4'-DDD	0.490	0.094	0.028	ug/l	0.472	ND	104	50-125			
4,4'-DDE	0.481	0.094	0.028	ug/l	0.472	ND	102	45-125			
4,4'-DDT	0.590	0.094	0.028	ug/l	0.472	ND	125	50-125			
Aldrin	0.521	0.094	0.028	ug/l	0.472	ND	110	35-120			
alpha-BHC	0.441	0.094	0.019	ug/l	0.472	ND	93	40-120			
beta-BHC	0.464	0.094	0.038	ug/l	0.472	ND	98	50-120			
delta-BHC	0.490	0.19	0.019	ug/l	0.472	ND	104	50-120			
Dieldrin	0.484	0.094	0.028	ug/l	0.472	ND	103	50-120			
Endosulfan I	0.443	0.094	0.028	ug/l	0.472	ND	94	50-120			
Endosulfan II	0.469	0.094	0.038	ug/l	0.472	ND	99	50-125			
Endosulfan sulfate	0.527	0.19	0.047	ug/l	0.472	ND	112	55-125			
Endrin	0.476	0.094	0.028	ug/l	0.472	ND	101	50-120			
Endrin aldehyde	0.479	0.094	0.047	ug/l	0.472	ND	102	45-125			
Endrin ketone	0.495	0.094	0.038	ug/l	0.472	ND	105	50-125			
gamma-BHC (Lindane)	0.456	0.094	0.028	ug/l	0.472	ND	97	40-120			
Heptachlor	0.531	0.094	0.028	ug/l	0.472	ND	113	40-120			
Heptachlor epoxide	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS1)						**Source: ITK1710-04**					
Methoxychlor	0.493	0.094	0.038	ug/l	0.472	ND	105	55-125			
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.360*			*ug/l*	*0.472*		*76*	*35-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD1)						**Source: ITK1710-04**					
2,4'-DDD	0.414	0.094	0.019	ug/l	0.472	ND	88	50-125	0.5	30	
2,4'-DDE	0.416	0.094	0.019	ug/l	0.472	ND	88	45-125	0.6	30	
2,4'-DDT	0.468	0.094	0.019	ug/l	0.472	ND	99	50-125	0.4	30	
4,4'-DDD	0.492	0.094	0.028	ug/l	0.472	ND	104	50-125	0.4	30	
4,4'-DDE	0.485	0.094	0.028	ug/l	0.472	ND	103	45-125	1	30	
4,4'-DDT	0.591	0.094	0.028	ug/l	0.472	ND	125	50-125	0.1	30	
Aldrin	0.529	0.094	0.028	ug/l	0.472	ND	112	35-120	2	30	
alpha-BHC	0.443	0.094	0.019	ug/l	0.472	ND	94	40-120	0.5	30	
beta-BHC	0.468	0.094	0.038	ug/l	0.472	ND	99	50-120	0.8	30	
delta-BHC	0.492	0.19	0.019	ug/l	0.472	ND	104	50-120	0.4	30	
Dieldrin	0.488	0.094	0.028	ug/l	0.472	ND	103	50-120	0.8	30	
Endosulfan I	0.446	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Endosulfan II	0.470	0.094	0.038	ug/l	0.472	ND	100	50-125	0.3	30	
Endosulfan sulfate	0.521	0.19	0.047	ug/l	0.472	ND	111	55-125	1	30	
Endrin	0.478	0.094	0.028	ug/l	0.472	ND	101	50-120	0.4	30	
Endrin aldehyde	0.488	0.094	0.047	ug/l	0.472	ND	103	45-125	2	30	
Endrin ketone	0.500	0.094	0.038	ug/l	0.472	ND	106	50-125	0.9	30	
gamma-BHC (Lindane)	0.459	0.094	0.028	ug/l	0.472	ND	97	40-120	0.6	30	
Heptachlor	0.537	0.094	0.028	ug/l	0.472	ND	114	40-120	1	30	
Heptachlor epoxide	0.449	0.094	0.028	ug/l	0.472	ND	95	50-120	0.7	30	
Methoxychlor	0.494	0.094	0.038	ug/l	0.472	ND	105	55-125	0.2	30	
Surrogate: Decachlorobiphenyl	*0.432*			*ug/l*	*0.472*		*92*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.365*			*ug/l*	*0.472*		*77*	*35-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2443 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2443-BLK1)											
Aroclor 1016	ND	1.0	0.25	ug/l							
Aroclor 1221	ND	1.0	0.25	ug/l							
Aroclor 1232	ND	1.0	0.25	ug/l							
Aroclor 1242	ND	1.0	0.25	ug/l							
Aroclor 1248	ND	1.0	0.25	ug/l							
Aroclor 1254	ND	1.0	0.25	ug/l							
Aroclor 1260	ND	1.0	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.418*			*ug/l*	*0.500*		*84*	*45-120*			
LCS Analyzed: 11/19/2010 (10K2443-BS2)											
Aroclor 1016	3.64	1.0	0.25	ug/l	4.00		91	50-115			
Aroclor 1260	3.70	1.0	0.25	ug/l	4.00		93	60-120			
Surrogate: Decachlorobiphenyl	*0.451*			*ug/l*	*0.500*		*90*	*45-120*			
Matrix Spike Analyzed: 11/19/2010 (10K2443-MS2)					**Source: ITK1710-04**						
Aroclor 1016	3.36	0.94	0.24	ug/l	3.77	ND	89	45-120			
Aroclor 1260	3.39	0.94	0.24	ug/l	3.77	ND	90	55-125			
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2443-MSD2)					**Source: ITK1710-04**						
Aroclor 1016	3.44	0.94	0.24	ug/l	3.77	ND	91	45-120	2	30	
Aroclor 1260	3.44	0.94	0.24	ug/l	3.77	ND	91	55-125	2	25	
Surrogate: Decachlorobiphenyl	*0.385*			*ug/l*	*0.472*		*82*	*45-120*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2939 Extracted: 11/23/10											
Blank Analyzed: 11/25/2010 (10K2939-BLK1)											
Boron	0.0220	0.050	0.020	mg/l							*J*
Calcium	ND	0.10	0.050	mg/l							
Iron	ND	0.040	0.015	mg/l							
Lithium	ND	0.050	0.030	mg/l							
Magnesium	ND	0.020	0.012	mg/l							
Phosphorus	ND	0.040	0.020	mg/l							
Potassium	ND	0.50	0.37	mg/l							
Sodium	ND	0.50	0.19	mg/l							
Strontium	ND	0.020	0.0050	mg/l							
Tin	ND	0.10	0.012	mg/l							
Titanium	ND	0.0050	0.0020	mg/l							
LCS Analyzed: 11/25/2010 (10K2939-BS1)											
Boron	1.07	0.050	0.020	mg/l	1.00		107	80-120			
Calcium	5.06	0.10	0.050	mg/l	5.00		101	80-120			
Iron	0.998	0.040	0.015	mg/l	1.00		100	80-120			
Lithium	0.994	0.050	0.030	mg/l	1.00		99	80-120			
Magnesium	4.97	0.020	0.012	mg/l	5.00		99	80-120			
Phosphorus	0.951	0.040	0.020	mg/l	1.00		95	80-120			
Potassium	10.1	0.50	0.37	mg/l	10.0		101	80-120			
Sodium	9.73	0.50	0.19	mg/l	10.0		97	80-120			
Strontium	0.922	0.020	0.0050	mg/l	1.00		92	80-120			
Tin	0.989	0.10	0.012	mg/l	1.00		99	80-120			
Titanium	0.975	0.0050	0.0020	mg/l	1.00		97	80-120			
Matrix Spike Analyzed: 11/25/2010 (10K2939-MS1)						**Source: ITK2228-01**					
Boron	1.66	0.050	0.020	mg/l	1.00	0.541	112	75-125			
Calcium	284	0.10	0.050	mg/l	5.00	272	242	75-125			*MHA*
Iron	1.98	0.040	0.015	mg/l	1.00	1.03	95	75-125			
Lithium	0.989	0.050	0.030	mg/l	1.00	ND	99	75-125			
Magnesium	41.2	0.020	0.012	mg/l	5.00	35.2	118	75-125			*MHA*
Phosphorus	1.10	0.040	0.020	mg/l	1.00	0.0327	107	75-125			
Potassium	13.0	0.50	0.37	mg/l	10.0	2.34	106	75-125			
Sodium	553	0.50	0.19	mg/l	10.0	516	372	75-125			*MHA*
Strontium	1.74	0.020	0.0050	mg/l	1.00	0.790	95	75-125			
Tin	1.00	0.10	0.012	mg/l	1.00	ND	100	75-125			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2939 Extracted: 11/23/10											
Matrix Spike Analyzed: 11/25/2010 (10K2939-MS1)						**Source: ITK2228-01**					
Titanium	1.04	0.0050	0.0020	mg/l	1.00	0.0438	100	75-125			
Matrix Spike Dup Analyzed: 11/25/2010 (10K2939-MSD1)						**Source: ITK2228-01**					
Boron	1.64	0.050	0.020	mg/l	1.00	0.541	110	75-125	1	20	
Calcium	287	0.10	0.050	mg/l	5.00	272	293	75-125	0.9	20	*MHA*
Iron	1.93	0.040	0.015	mg/l	1.00	1.03	90	75-125	3	20	
Lithium	0.984	0.050	0.030	mg/l	1.00	ND	98	75-125	0.5	20	
Magnesium	41.5	0.020	0.012	mg/l	5.00	35.2	125	75-125	0.8	20	*MHA*
Phosphorus	1.10	0.040	0.020	mg/l	1.00	0.0327	107	75-125	0.09	20	
Potassium	13.4	0.50	0.37	mg/l	10.0	2.34	110	75-125	3	20	
Sodium	557	0.50	0.19	mg/l	10.0	516	407	75-125	0.6	20	*MHA*
Strontium	1.77	0.020	0.0050	mg/l	1.00	0.790	98	75-125	2	20	
Tin	1.00	0.10	0.012	mg/l	1.00	ND	100	75-125	0.3	20	
Titanium	1.04	0.0050	0.0020	mg/l	1.00	0.0438	100	75-125	0.2	20	
Batch: 10K3433 Extracted: 11/29/10											
Blank Analyzed: 11/30/2010-12/01/2010 (10K3433-BLK1)											
Aluminum	ND	10	8.5	ug/l							
Uranium	ND	1.0	0.20	ug/l							
Antimony	ND	2.0	0.30	ug/l							
Arsenic	ND	1.0	0.90	ug/l							
Barium	ND	1.0	0.30	ug/l							
Beryllium	ND	0.50	0.10	ug/l							
Cadmium	ND	1.0	0.10	ug/l							
Chromium	ND	2.0	0.90	ug/l							
Cobalt	ND	1.0	0.10	ug/l							
Copper	ND	2.0	0.50	ug/l							
Lead	ND	1.0	0.20	ug/l							
Manganese	ND	1.0	0.70	ug/l							
Molybdenum	ND	2.0	0.20	ug/l							
Nickel	ND	2.0	0.50	ug/l							
Selenium	ND	2.0	0.50	ug/l							
Silver	ND	1.0	0.10	ug/l							
Thallium	ND	1.0	0.20	ug/l							
Vanadium	ND	2.0	0.80	ug/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3433 Extracted: 11/29/10											
Blank Analyzed: 11/30/2010-12/01/2010 (10K3433-BLK1)											
Zinc	ND	20	4.0	ug/l							
LCS Analyzed: 11/30/2010-12/01/2010 (10K3433-BS1)											
Aluminum	90.1	10	8.5	ug/l	80.0		113	80-120			
Uranium	83.5	1.0	0.20	ug/l	80.0		104	85-115			
Antimony	71.4	2.0	0.30	ug/l	80.0		89	80-120			
Arsenic	73.6	1.0	0.90	ug/l	80.0		92	80-120			
Barium	81.9	1.0	0.30	ug/l	80.0		102	80-120			
Beryllium	77.9	0.50	0.10	ug/l	80.0		97	80-120			
Cadmium	73.3	1.0	0.10	ug/l	80.0		92	80-120			
Chromium	77.8	2.0	0.90	ug/l	80.0		97	80-120			
Cobalt	77.2	1.0	0.10	ug/l	80.0		97	80-120			
Copper	78.0	2.0	0.50	ug/l	80.0		98	80-120			
Lead	80.0	1.0	0.20	ug/l	80.0		100	80-120			
Manganese	74.1	1.0	0.70	ug/l	80.0		93	80-120			
Molybdenum	76.5	2.0	0.20	ug/l	80.0		96	80-120			
Nickel	76.7	2.0	0.50	ug/l	80.0		96	80-120			
Selenium	77.7	2.0	0.50	ug/l	80.0		97	80-120			
Silver	83.1	1.0	0.10	ug/l	80.0		104	80-120			
Thallium	81.3	1.0	0.20	ug/l	80.0		102	80-120			
Vanadium	79.3	2.0	0.80	ug/l	80.0		99	80-120			
Zinc	75.9	20	4.0	ug/l	80.0		95	80-120			
Matrix Spike Analyzed: 11/30/2010-12/01/2010 (10K3433-MS1)						**Source: ITK1858-02**					
Aluminum	209	10	8.5	ug/l	80.0	130	98	75-125			
Uranium	97.5	1.0	0.20	ug/l	80.0	10.2	109	70-130			
Antimony	71.3	2.0	0.30	ug/l	80.0	0.353	89	75-125			
Arsenic	89.7	1.0	0.90	ug/l	80.0	10.0	100	75-125			
Barium	159	1.0	0.30	ug/l	80.0	82.9	95	75-125			
Beryllium	57.1	0.50	0.10	ug/l	80.0	ND	71	75-125			*M2*
Cadmium	71.2	1.0	0.10	ug/l	80.0	0.210	89	75-125			
Chromium	92.4	2.0	0.90	ug/l	80.0	31.4	76	75-125			
Cobalt	62.3	1.0	0.10	ug/l	80.0	1.43	76	75-125			
Copper	65.0	2.0	0.50	ug/l	80.0	7.23	72	75-125			*M2*
Lead	77.0	1.0	0.20	ug/l	80.0	0.339	96	75-125			
Manganese	117	1.0	0.70	ug/l	80.0	58.6	73	75-125			*M2*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3433 Extracted: 11/29/10											
Matrix Spike Analyzed: 11/30/2010-12/01/2010 (10K3433-MS1)						**Source: ITK1858-02**					
Molybdenum	123	2.0	0.20	ug/l	80.0	35.9	109	75-125			
Nickel	74.6	2.0	0.50	ug/l	80.0	16.4	73	75-125			*M2*
Selenium	98.9	2.0	0.50	ug/l	80.0	3.66	119	75-125			
Silver	75.8	1.0	0.10	ug/l	80.0	ND	95	75-125			
Thallium	77.3	1.0	0.20	ug/l	80.0	ND	97	75-125			
Vanadium	73.8	2.0	0.80	ug/l	80.0	7.57	83	75-125			
Zinc	375	20	4.0	ug/l	80.0	311	81	75-125			
Matrix Spike Dup Analyzed: 11/30/2010-12/01/2010 (10K3433-MSD1)						**Source: ITK1858-02**					
Aluminum	223	10	8.5	ug/l	80.0	130	116	75-125	6	20	
Uranium	99.1	1.0	0.20	ug/l	80.0	10.2	111	70-130	2	20	
Antimony	72.6	2.0	0.30	ug/l	80.0	0.353	90	75-125	2	20	
Arsenic	91.0	1.0	0.90	ug/l	80.0	10.0	101	75-125	1	20	
Barium	160	1.0	0.30	ug/l	80.0	82.9	96	75-125	0.7	20	
Beryllium	56.5	0.50	0.10	ug/l	80.0	ND	71	75-125	0.9	20	*M2*
Cadmium	72.8	1.0	0.10	ug/l	80.0	0.210	91	75-125	2	20	
Chromium	92.6	2.0	0.90	ug/l	80.0	31.4	76	75-125	0.2	20	
Cobalt	62.7	1.0	0.10	ug/l	80.0	1.43	77	75-125	0.6	20	
Copper	65.8	2.0	0.50	ug/l	80.0	7.23	73	75-125	1	20	*M2*
Lead	77.8	1.0	0.20	ug/l	80.0	0.339	97	75-125	1	20	
Manganese	118	1.0	0.70	ug/l	80.0	58.6	75	75-125	0.9	20	
Molybdenum	125	2.0	0.20	ug/l	80.0	35.9	112	75-125	2	20	
Nickel	75.3	2.0	0.50	ug/l	80.0	16.4	74	75-125	0.9	20	*M2*
Selenium	104	2.0	0.50	ug/l	80.0	3.66	126	75-125	5	20	*M1*
Silver	76.8	1.0	0.10	ug/l	80.0	ND	96	75-125	1	20	
Thallium	79.1	1.0	0.20	ug/l	80.0	ND	99	75-125	2	20	
Vanadium	74.2	2.0	0.80	ug/l	80.0	7.57	83	75-125	0.5	20	
Zinc	387	20	4.0	ug/l	80.0	311	96	75-125	3	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

DISSOLVED INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2337 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2337-BLK1)											
Chromium VI	ND	0.0020	0.00025	mg/l							
LCS Analyzed: 11/18/2010 (10K2337-BS1)											
Chromium VI	0.0505	0.0020	0.00025	mg/l	0.0500		101	90-110			
Matrix Spike Analyzed: 11/18/2010 (10K2337-MS1)						**Source: ITK1858-03**					
Chromium VI	0.0516	0.0020	0.00025	mg/l	0.0500	0.00316	97	85-115			
Matrix Spike Dup Analyzed: 11/18/2010 (10K2337-MSD1)						**Source: ITK1858-03**					
Chromium VI	0.0516	0.0020	0.00025	mg/l	0.0500	0.00316	97	85-115	0.01	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2296 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2296-BLK1)											
Bromide	ND	0.50	0.35	mg/l							
Chloride	ND	0.50	0.25	mg/l							
Nitrate-N	ND	0.11	0.060	mg/l							
Orthophosphate - P	ND	0.16	0.13	mg/l							
Sulfate	ND	0.50	0.20	mg/l							
LCS Analyzed: 11/18/2010 (10K2296-BS1)											
Bromide	5.21	0.50	0.35	mg/l	5.00		104	90-110			
Chloride	5.26	0.50	0.25	mg/l	5.00		105	90-110			*M-3*
Nitrate-N	1.18	0.11	0.060	mg/l	1.13		105	90-110			*M-3*
Orthophosphate - P	1.62	0.16	0.13	mg/l	1.63		99	90-110			
Sulfate	10.0	0.50	0.20	mg/l	10.0		100	90-110			*M-3*
Duplicate Analyzed: 11/19/2010 (10K2296-DUP1)						**Source: ITK1858-03**					
Bromide	0.480	0.50	0.35	mg/l		0.485			1	200	*J*
Chloride	208	25	12	mg/l		210			1	200	
Nitrate-N	ND	0.11	0.060	mg/l		ND				200	
Orthophosphate - P	ND	0.16	0.13	mg/l		ND				200	
Sulfate	301	25	10	mg/l		299			0.7	200	
Matrix Spike Analyzed: 11/19/2010 (10K2296-MS1)						**Source: ITK1895-01**					
Bromide	243	50	35	mg/l	100	160	82	80-120			
Nitrate-N	30.9	11	6.0	mg/l	22.6	ND	137	80-120			*M1*
Orthophosphate - P	38.3	16	13	mg/l	32.6	ND	117	80-120			
Sulfate	2460	50	20	mg/l	200	2550	-49	80-120			*MHA*
Matrix Spike Analyzed: 11/19/2010 (10K2296-MS2)						**Source: ITK1899-01**					
Bromide	5.86	1.0	0.70	mg/l	5.00	0.939	99	80-120			
Orthophosphate - P	1.17	0.32	0.26	mg/l	1.63	ND	71	80-120			*M2*

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2296 Extracted: 11/18/10											
Matrix Spike Dup Analyzed: 11/19/2010 (10K2296-MSD1)						**Source: ITK1895-01**					
Bromide	260	50	35	mg/l	100	160	99	80-120	7	20	
Nitrate-N	34.2	11	6.0	mg/l	22.6	ND	151	80-120	10	20	*M1*
Orthophosphate - P	47.0	16	13	mg/l	32.6	ND	144	80-120	20	20	*M1*
Sulfate	2480	50	20	mg/l	200	2550	-37	80-120	1	20	*MHA*
Batch: 10K2390 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2390-BLK1)											
Total Cyanide	ND	0.025	0.017	mg/l							
LCS Analyzed: 11/18/2010 (10K2390-BS1)											
Total Cyanide	0.197	0.025	0.017	mg/l	0.200		99	90-110			
Matrix Spike Analyzed: 11/18/2010 (10K2390-MS1)						**Source: ITK1710-04**					
Total Cyanide	0.168	0.025	0.017	mg/l	0.200	ND	84	70-115			
Matrix Spike Dup Analyzed: 11/18/2010 (10K2390-MSD1)						**Source: ITK1710-04**					
Total Cyanide	0.191	0.025	0.017	mg/l	0.200	ND	95	70-115	13	15	
Batch: 10K2392 Extracted: 11/18/10											
Blank Analyzed: 11/18/2010 (10K2392-BLK1)											
Nitrite-N	ND	0.15	0.090	mg/l							
LCS Analyzed: 11/18/2010 (10K2392-BS1)											
Nitrite-N	1.47	0.15	0.090	mg/l	1.52		96	90-110			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2392 Extracted: 11/18/10											
Duplicate Analyzed: 11/19/2010 (10K2392-DUP1)						**Source: ITK1858-03**					
Nitrite-N	ND	0.15	0.090	mg/l		ND				200	
Matrix Spike Analyzed: 11/18/2010 (10K2392-MS1)						**Source: ITK1856-18**					
Nitrite-N	16.3	1.5	0.90	mg/l	15.2	ND	107	80-120			
Matrix Spike Analyzed: 11/18/2010 (10K2392-MS2)						**Source: ITK1856-24**					
Nitrite-N	1.74	0.15	0.090	mg/l	1.52	ND	115	80-120			
Matrix Spike Dup Analyzed: 11/18/2010 (10K2392-MSD1)						**Source: ITK1856-18**					
Nitrite-N	16.3	1.5	0.90	mg/l	15.2	ND	107	80-120	0.02	20	
Matrix Spike Dup Analyzed: 11/18/2010 (10K2392-MSD2)						**Source: ITK1856-24**					
Nitrite-N	1.77	0.15	0.090	mg/l	1.52	ND	116	80-120	2	20	
Batch: 10K2481 Extracted: 11/19/10											
Duplicate Analyzed: 11/19/2010 (10K2481-DUP1)						**Source: ITK1856-18**					
pH	7.77	0.100	0.100	pH Units		7.75			0.3	5	*HFT*
Duplicate Analyzed: 11/19/2010 (10K2481-DUP2)						**Source: ITK1922-01**					
pH	7.59	0.100	0.100	pH Units		7.58			0.1	5	*HFT*
Batch: 10K2597 Extracted: 11/19/10											
Blank Analyzed: 11/19/2010 (10K2597-BLK1)											
Ammonia-N	ND	0.50	0.10	mg/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2597 Extracted: 11/19/10											
LCS Analyzed: 11/19/2010 (10K2597-BS1)											
Ammonia-N	0.998	0.50	0.10	mg/l	1.00		100	85-115			
Matrix Spike Analyzed: 11/19/2010 (10K2597-MS1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125			
Matrix Spike Dup Analyzed: 11/19/2010 (10K2597-MSD1)						**Source: ITK1710-04**					
Ammonia-N	2.07	0.50	0.10	mg/l	2.00	ND	103	75-125	0	15	
Batch: 10K2734 Extracted: 11/22/10											
Blank Analyzed: 11/22/2010 (10K2734-BLK1)											
Total Dissolved Solids	ND	10	1.0	mg/l							
LCS Analyzed: 11/22/2010 (10K2734-BS1)											
Total Dissolved Solids	1000	10	1.0	mg/l	1000		100	90-110			
Duplicate Analyzed: 11/22/2010 (10K2734-DUP1)						**Source: ITK1924-01**					
Total Dissolved Solids	432	10	1.0	mg/l		424			2	10	
Batch: 10K2761 Extracted: 11/22/10											
Blank Analyzed: 11/22/2010 (10K2761-BLK1)											
Total Dissolved Solids	ND	10	1.0	mg/l							
LCS Analyzed: 11/22/2010 (10K2761-BS1)											
Total Dissolved Solids	998	10	1.0	mg/l	1000		100	90-110			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K2761 Extracted: 11/22/10											
Duplicate Analyzed: 11/22/2010 (10K2761-DUP1)						**Source: ITK1972-02**					
Total Dissolved Solids	684	10	1.0	mg/l		684			0	10	
Batch: 10K3147 Extracted: 11/24/10											
Blank Analyzed: 11/24/2010 (10K3147-BLK1)											
Fluoride	ND	0.50	0.15	mg/l							
LCS Analyzed: 11/24/2010 (10K3147-BS1)											
Fluoride	4.76	0.50	0.15	mg/l	5.00		95	90-110			
Duplicate Analyzed: 11/24/2010 (10K3147-DUP1)						**Source: ITK1858-02**					
Fluoride	4.20	5.0	1.5	mg/l		4.28			2	200	*J*
Matrix Spike Analyzed: 11/24/2010 (10K3147-MS1)						**Source: ITK2449-01**					
Fluoride	5.74	2.5	0.75	mg/l	5.00	0.536	104	80-120			
Matrix Spike Analyzed: 11/24/2010 (10K3147-MS2)						**Source: ITK2507-26**					
Fluoride	51.2	5.0	1.5	mg/l	50.0	0.569	101	80-120			
Matrix Spike Dup Analyzed: 11/24/2010 (10K3147-MSD1)						**Source: ITK2449-01**					
Fluoride	5.87	2.5	0.75	mg/l	5.00	0.536	107	80-120	2	20	
Matrix Spike Dup Analyzed: 11/24/2010 (10K3147-MSD2)						**Source: ITK2507-26**					
Fluoride	51.3	5.0	1.5	mg/l	50.0	0.569	102	80-120	0.3	20	
Batch: 10K3163 Extracted: 11/24/10											
Blank Analyzed: 11/24/2010 (10K3163-BLK1)											
Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Bicarbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l							

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K3163 Extracted: 11/24/10											
LCS Analyzed: 11/24/2010 (10K3163-BS1)											
Alkalinity as CaCO3	378	2.0	2.0	mg/l	399		95	90-110			
Duplicate Analyzed: 11/24/2010 (10K3163-DUP1)						**Source: ITK1856-16**					
Alkalinity as CaCO3	184	2.0	2.0	mg/l		184			0	20	
Bicarbonate Alkalinity as CaCO3	184	2.0	2.0	mg/l		184			0	20	
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Duplicate Analyzed: 11/24/2010 (10K3163-DUP2)						**Source: ITK1919-01**					
Alkalinity as CaCO3	162	2.0	2.0	mg/l		164			1	20	
Bicarbonate Alkalinity as CaCO3	162	2.0	2.0	mg/l		164			1	20	
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Batch: 10K3556 Extracted: 11/30/10											
Blank Analyzed: 11/30/2010 (10K3556-BLK1)											
Phosphorus	ND	0.050	0.020	mg/l							
LCS Analyzed: 11/30/2010 (10K3556-BS1)											
Phosphorus	0.515	0.050	0.020	mg/l	0.500		103	80-120			
Matrix Spike Analyzed: 11/30/2010 (10K3556-MS1)						**Source: ITK1858-02**					
Phosphorus	1.02	0.10	0.040	mg/l	1.00	ND	102	65-130			
Matrix Spike Dup Analyzed: 11/30/2010 (10K3556-MSD1)						**Source: ITK1858-02**					
Phosphorus	1.04	0.10	0.040	mg/l	1.00	ND	104	65-130	1	15	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

General Chemistry Parameters

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L2031 Extracted: 12/09/10											
Blank Analyzed: 12/09/2010 (10L2031-BLK1)											
Total Inorganic Carbon	3.56	1.00	N/A	mg/L							*B*
LCS Analyzed: 12/09/2010 (10L2031-BS1)											
Total Inorganic Carbon	10.3	1.00	N/A	mg/L	10.0		103	90-110			*B*
Duplicate Analyzed: 12/09/2010 (10L2031-DUP1)						**Source: ITK1858-04**					
Total Inorganic Carbon	18.6	1.00	N/A	mg/L		19.8			6	20	*B*
Matrix Spike Analyzed: 12/09/2010 (10L2031-MS1)						**Source: ITK1858-03**					
Total Inorganic Carbon	31.9	1.00	N/A	mg/L	20.0	20.6	57	80-120			*B, M8*
Matrix Spike Dup Analyzed: 12/09/2010 (10L2031-MSD1)						**Source: ITK1858-03**					
Total Inorganic Carbon	34.1	1.00	N/A	mg/L	20.0	20.6	68	80-120	7	20	*B, M8*
Batch: 10L3671 Extracted: 12/17/10											
Blank Analyzed: 12/20/2010 (10L3671-BLK1)											
Total Inorganic Carbon	ND	1.00	N/A	mg/L							
LCS Analyzed: 12/20/2010 (10L3671-BS1)											
Total Inorganic Carbon	10.6	1.00	N/A	mg/L	10.0		106	90-110			
Duplicate Analyzed: 12/20/2010 (10L3671-DUP1)						**Source: NTL1849-03**					
Total Inorganic Carbon	ND	1.00	N/A	mg/L		ND				20	
Matrix Spike Analyzed: 12/20/2010 (10L3671-MS1)						**Source: NTL1849-01**					
Total Inorganic Carbon	70.5	1.00	N/A	mg/L	20.0	51.2	96	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

General Chemistry Parameters

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10L3671 Extracted: 12/17/10											
Matrix Spike Dup Analyzed: 12/20/2010 (10L3671-MSD1)						**Source: NTL1849-01**					
Total Inorganic Carbon	70.2	1.00	N/A	mg/L	20.0	51.2	95	80-120	0.5	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Aldehydes by EPA Method 8315A

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 10K4513 Extracted: 11/27/10											
Blank Analyzed: 11/27/2010 (10K4513-BLK1)											
Acetaldehyde	ND	50.0	N/A	ug/L							
Formaldehyde	ND	50.0	N/A	ug/L							
Surrogate: Butyraldehyde	*156*			*ug/L*	*200*		*78*	*54-128*			
LCS Analyzed: 11/27/2010 (10K4513-BS1)											
Acetaldehyde	84.4	50.0	N/A	ug/L	100		84	51-131			
Formaldehyde	76.9	50.0	N/A	ug/L	100		77	39-130			
Surrogate: Butyraldehyde	*157*			*ug/L*	*200*		*78*	*54-128*			
LCS Dup Analyzed: 11/27/2010 (10K4513-BSD1)											
Acetaldehyde	76.5	50.0	N/A	ug/L	100		76	51-131	10	17	
Formaldehyde	69.4	50.0	N/A	ug/L	100		69	39-130	10	32	
Surrogate: Butyraldehyde	*137*			*ug/L*	*200*		*68*	*54-128*			
Matrix Spike Analyzed: 11/27/2010 (10K4513-MS1)						**Source: NTK2321-01RE1**					
Acetaldehyde	81.0	50.0	N/A	ug/L	100	ND	81	40-138			
Formaldehyde	78.0	50.0	N/A	ug/L	100	ND	78	33-137			
Surrogate: Butyraldehyde	*164*			*ug/L*	*200*		*82*	*54-128*			
Matrix Spike Dup Analyzed: 11/27/2010 (10K4513-MSD1)						**Source: NTK2321-01RE1**					
Acetaldehyde	85.8	50.0	N/A	ug/L	100	ND	86	40-138	6	29	
Formaldehyde	79.0	50.0	N/A	ug/L	100	ND	79	33-137	1	32	
Surrogate: Butyraldehyde	*184*			*ug/L*	*200*		*92*	*54-128*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 334225 Extracted: 11/30/10											
Blank Analyzed: 12/14/2010 (G0K300000225B)						**Source:**					
PCB 10 (BZ)	0.0027	0.2	0.00045	ng/L				-			*Ca, J*
PCB 105 (BZ)	0.009	0.02	0.00076	ng/L				-			*Ca, J*
PCB 11 (BZ)	0.02	0.2	0.00088	ng/L				-			*J*
PCB 114 (BZ)	ND	0.02	0.00076	ng/L				-			
PCB 118 (BZ)	0.022	0.02	0.00077	ng/L				-			*Ca*
PCB 12 (BZ)	ND	0.2	0.0009	ng/L				-			
PCB 123 (BZ)	ND	0.02	0.00079	ng/L				-			
PCB 126 (BZ)	ND	0.02	0.00076	ng/L				-			
PCB 13 (BZ)	ND	0.2	0.0009	ng/L				-			
PCB 14 (BZ)	ND	0.2	0.00083	ng/L				-			
PCB 15 (BZ)	0.0014	0.2	0.00045	ng/L				-			*J*
PCB 156 (BZ)	0.0016	0.02	0.00046	ng/L				-			*J, Q*
PCB 157 (BZ)	0.00095	0.02	0.00044	ng/L				-			*J, Q*
PCB 167 (BZ)	0.00064	0.02	0.00054	ng/L				-			*J, Q*
PCB 169 (BZ)	0.00078	0.02	0.00045	ng/L				-			*J, Q*
PCB 189 (BZ)	ND	0.02	0.00051	ng/L				-			
PCB 4 (BZ)	0.0027	0.2	0.00045	ng/L				-			*Ca, J*
PCB 5 (BZ)	0.0021	0.2	0.00044	ng/L				-			*Ca, J*
PCB 6 (BZ)	ND	0.2	0.00088	ng/L				-			
PCB 7 (BZ)	ND	0.2	0.00084	ng/L				-			
PCB 77 (BZ)	ND	0.02	0.00089	ng/L				-			
PCB 8 (BZ)	0.0021	0.2	0.00044	ng/L				-			*Ca, J*
PCB 81 (BZ)	ND	0.02	0.00074	ng/L				-			
PCB 9 (BZ)	ND	0.2	0.00084	ng/L				-			
Surrogate: 13C12-PCB 105	*0.0015*			*ng/L*	*0.002*		*77*	*25-150*			
Surrogate: 13C12-PCB 114	*0.0014*			*ng/L*	*0.002*		*72*	*25-150*			
Surrogate: 13C12-PCB 118	*0.0014*			*ng/L*	*0.002*		*68*	*25-150*			
Surrogate: 13C12-PCB 126	*0.0017*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 15	*0.0012*			*ng/L*	*0.002*		*62*	*25-150*			
Surrogate: 13C12-PCB 156	*0.0016*			*ng/L*	*0.002*		*79*	*25-150*			
Surrogate: 13C12-PCB 157	*0.0016*			*ng/L*	*0.002*		*79*	*25-150*			
Surrogate: 13C12-PCB 167	*0.0015*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 169	*0.0019*			*ng/L*	*0.002*		*94*	*25-150*			
Surrogate: 13C12-PCB 189	*0.002*			*ng/L*	*0.002*		*100*	*25-150*			
Surrogate: 13C12-PCB 77	*0.0014*			*ng/L*	*0.002*		*69*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 334225 Extracted: 11/30/10											
Blank Analyzed: 12/14/2010 (G0K300000225B)						**Source:**					
Surrogate: 13C12-PCB 81	*0.0013*			*ng/L*	*0.002*		*66*	*25-150*			
LCS Analyzed: 12/14/2010 (G0K300000225C)						**Source:**					
PCB 105 (BZ)	2.08	0.02	0.00065	ng/L	2		104	50-150			
PCB 114 (BZ)	2.02	0.02	0.00061	ng/L	2		101	50-150			
PCB 118 (BZ)	2.13	0.02	0.00062	ng/L	2		107	50-150			
PCB 123 (BZ)	2.05	0.02	0.00063	ng/L	2		102	50-150			
PCB 126 (BZ)	2.07	0.02	0.0007	ng/L	2		103	50-150			
PCB 15 (BZ)	1.99	0.2	0.00038	ng/L	2		100	50-150			
PCB 156 (BZ)	2.04	0.02	0.001	ng/L	2		102	50-150			
PCB 157 (BZ)	2.04	0.02	0.00096	ng/L	2		102	50-150			
PCB 167 (BZ)	1.52	0.02	0.0011	ng/L	2		76	50-150			
PCB 169 (BZ)	2.04	0.02	0.00096	ng/L	2		102	50-150			
PCB 189 (BZ)	1.87	0.02	0.00054	ng/L	2		94	50-150			
PCB 77 (BZ)	2.06	0.02	0.00068	ng/L	2		103	50-150			
PCB 81 (BZ)	2.03	0.02	0.00062	ng/L	2		102	50-150			
Surrogate: 13C12-PCB 105	*0.00176*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 114	*0.00169*			*ng/L*	*0.002*		*85*	*25-150*			
Surrogate: 13C12-PCB 118	*0.00163*			*ng/L*	*0.002*		*82*	*25-150*			
Surrogate: 13C12-PCB 126	*0.00203*			*ng/L*	*0.002*		*101*	*25-150*			
Surrogate: 13C12-PCB 15	*0.00131*			*ng/L*	*0.002*		*66*	*25-150*			
Surrogate: 13C12-PCB 156	*0.00176*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00177*			*ng/L*	*0.002*		*89*	*25-150*			
Surrogate: 13C12-PCB 167	*0.00164*			*ng/L*	*0.002*		*82*	*25-150*			
Surrogate: 13C12-PCB 169	*0.00209*			*ng/L*	*0.002*		*105*	*25-150*			
Surrogate: 13C12-PCB 189	*0.00204*			*ng/L*	*0.002*		*102*	*25-150*			
Surrogate: 13C12-PCB 77	*0.00163*			*ng/L*	*0.002*		*82*	*25-150*			
Surrogate: 13C12-PCB 81	*0.00157*			*ng/L*	*0.002*		*79*	*25-150*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SW846 6850-DISSx

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 340124 Extracted: 12/06/10											
Matrix Spike Dup Analyzed: 12/10/2010 (G0K180557001D)						**Source: G0K180557001**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120	0	15	*MSA, a*
Matrix Spike Analyzed: 12/10/2010 (G0K180557001S)						**Source: G0K180557001**					
Perchlorate	ND	100000	16000	ug/L	5	690000	0	80-120			*MSA, a*
Blank Analyzed: 12/10/2010 (G0L060000124B)						**Source:**					
Perchlorate	ND	0.5	0.082	ug/L				-			
LCS Analyzed: 12/10/2010 (G0L060000124C)						**Source:**					
Perchlorate	4.57	0.5	0.082	ug/L	5		91	80-120			
LCS Analyzed: 12/10/2010 (G0L060000124R)						**Source:**					
Perchlorate	4.6	0.5	0.082	ug/L	5		92	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Anions by EPA Method 300.0/300.1/326

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: W0L0148 Extracted: 12/03/10											
Blank Analyzed: 12/03/2010 (W0L0148-BLK1)											
Iodide	ND	10	N/A	ug/l							
LCS Analyzed: 12/03/2010 (W0L0148-BS1)											
Iodide	37.0	10	N/A	ug/l	40.0		92	80-120			
Matrix Spike Analyzed: 12/03/2010 (W0L0148-MS1)						**Source: ITK1858-03**					
Iodide	271	50	N/A	ug/l	200	86.3	92	80-120			
Matrix Spike Dup Analyzed: 12/03/2010 (W0L0148-MSD1)						**Source: ITK1858-03**					
Iodide	259	50	N/A	ug/l	200	86.3	87	80-120	4	20	

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 43023 Extracted: 11/22/10											
Blank Analyzed: 11/29/2010 (280-43023-2)						**Source:**					
Azinphos-methyl	ND	2.5	0.17	ug/L				-			
Bolstar	ND	1.0	0.31	ug/L				-			
Chlorpyrifos	ND	1.5	0.36	ug/L				-			
Coumaphos	ND	1.0	0.14	ug/L				-			
Demeton, Total	ND	3.0	0.21	ug/L				-			
Diazinon	ND	0.50	0.15	ug/L				-			
Dichlorvos	ND	0.50	0.16	ug/L				-			
Dimethoate	ND	1.5	0.45	ug/L				-			
Disulfoton	ND	1.0	0.32	ug/L				-			
EPN	ND	1.2	0.15	ug/L				-			
Ethoprop	ND	1.5	0.18	ug/L				-			
Ethyl Parathion	ND	1.0	0.14	ug/L				-			
Famphur	ND	1.0	0.18	ug/L				-			
Fensulfothion	ND	2.5	0.54	ug/L				-			
Fenthion	ND	2.5	0.15	ug/L				-			
Malathion	ND	2.0	0.13	ug/L				-			
Merphos	ND	5.0	0.17	ug/L				-			
Methyl Carbophenothion	ND	0.80	0.080	ug/L				-			
Methyl parathion	ND	4.0	0.14	ug/L				-			
Mevinphos	ND	6.2	0.46	ug/L				-			
Naled	ND	2.0	0.25	ug/L				-			
o,o',o"-Triethylphosphorothioate	ND	0.50	0.14	ug/L				-			
Phorate	ND	1.2	0.15	ug/L				-			
Ronnel	ND	10	0.12	ug/L				-			
Sulfotepp	ND	1.5	0.17	ug/L				-			
Tetrachlorvinphos (Stirophos)	ND	3.5	0.12	ug/L				-			
Thionazin	ND	1.0	0.31	ug/L				-			
Tokuthion	ND	1.6	0.12	ug/L				-			
Trichloronate	ND	1.5	0.24	ug/L				-			
Surrogate: Chlormefos	*1.65*			*ug/L*	*2.00*		*82*	*49-171*			
Surrogate: Triphenylphosphate	*2.35*			*ug/L*	*2.01*		*117*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 43023 Extracted: 11/22/10											
LCS Analyzed: 11/29/2010 (280-43023-3)						**Source:**					
Azinphos-methyl	2.77	2.5	0.17	ug/L	4.00		69	42-125			
Chlorpyrifos	3.47	1.5	0.36	ug/L	4.00		87	60-120			
Coumaphos	2.85	1.0	0.14	ug/L	4.00		71	61-115			
Demeton, Total	3.27	3.0	0.21	ug/L	4.00		82	33-141			
Diazinon	3.19	0.50	0.15	ug/L	4.00		80	47-149			
Dichlorvos	3.34	0.50	0.16	ug/L	4.00		83	40-193			
Dimethoate	2.24	1.5	0.45	ug/L	4.00		56	33-139			
Disulfoton	2.42	1.0	0.32	ug/L	4.00		61	44-139			
EPN	3.11	1.2	0.15	ug/L	4.00		78	50-150			
Ethoprop	3.14	1.5	0.18	ug/L	4.00		79	43-165			
Ethyl Parathion	2.28	1.0	0.14	ug/L	4.00		57	47-142			
Famphur	2.81	1.0	0.18	ug/L	4.00		70	51-131			
Fensulfothion	2.64	2.5	0.54	ug/L	4.00		66	46-115			
Fenthion	2.57	2.5	0.15	ug/L	4.00		64	63-128			
Malathion	2.80	2.0	0.13	ug/L	4.00		70	53-137			
Merphos	2.79	5.0	0.17	ug/L	4.00		70	50-150			*Jb*
Methyl parathion	3.08	4.0	0.14	ug/L	4.00		77	55-131			*Jb*
Mevinphos	2.06	6.2	0.46	ug/L	4.00		52	39-175			*Jb*
o,o',o"-Triethylphosphorothioate	2.76	0.50	0.14	ug/L	4.00		69	65-143			
Phorate	2.52	1.2	0.15	ug/L	4.00		63	46-142			
Ronnel	2.74	10	0.12	ug/L	4.00		68	43-115			*Jb*
Sulfotepp	2.42	1.5	0.17	ug/L	4.00		60	29-166			
Tetrachlorvinphos (Stirophos)	2.69	3.5	0.12	ug/L	4.00		67	53-123			*Jb*
Thionazin	2.70	1.0	0.31	ug/L	4.00		68	39-180			
Trichloronate	2.59	1.5	0.24	ug/L	4.00		65	60-115			
Surrogate: Chlormefos	*1.52*			*ug/L*	*2.00*		*76*	*49-171*			
Surrogate: Triphenylphosphate	*2.25*			*ug/L*	*2.01*		*112*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 43023 Extracted: 11/22/10											
LCS Dup Analyzed: 11/29/2010 (280-43023-4)					**Source:**						
Azinphos-methyl	2.90	2.5	0.17	ug/L	4.00		72	42-125	5	30	
Chlorpyrifos	3.65	1.5	0.36	ug/L	4.00		91	60-120	5	34	
Coumaphos	3.06	1.0	0.14	ug/L	4.00		77	61-115	7	43	
Demeton, Total	3.35	3.0	0.21	ug/L	4.00		84	33-141	2	50	
Diazinon	3.46	0.50	0.15	ug/L	4.00		86	47-149	8	40	
Dichlorvos	3.74	0.50	0.16	ug/L	4.00		93	40-193	11	49	
Dimethoate	2.59	1.5	0.45	ug/L	4.00		65	33-139	14	50	
Disulfoton	2.70	1.0	0.32	ug/L	4.00		68	44-139	11	40	
EPN	3.38	1.2	0.15	ug/L	4.00		85	50-150	8	50	
Ethoprop	3.20	1.5	0.18	ug/L	4.00		80	43-165	2	36	
Ethyl Parathion	2.42	1.0	0.14	ug/L	4.00		61	47-142	6	40	
Famphur	3.10	1.0	0.18	ug/L	4.00		78	51-131	10	88	
Fensulfothion	3.36	2.5	0.54	ug/L	4.00		84	46-115	24	62	
Fenthion	2.81	2.5	0.15	ug/L	4.00		70	63-128	9	41	
Malathion	3.01	2.0	0.13	ug/L	4.00		75	53-137	7	28	
Merphos	3.05	5.0	0.17	ug/L	4.00		76	50-150	9	50	*Jb*
Methyl parathion	3.40	4.0	0.14	ug/L	4.00		85	55-131	10	30	*Jb*
Mevinphos	2.21	6.2	0.46	ug/L	4.00		55	39-175	7	40	*Jb*
o,o',o"-Triethylphosphorothioate	3.43	0.50	0.14	ug/L	4.00		86	65-143	22	40	
Phorate	2.60	1.2	0.15	ug/L	4.00		65	46-142	3	40	
Ronnel	3.12	10	0.12	ug/L	4.00		78	43-115	13	39	*Jb*
Sulfotepp	2.47	1.5	0.17	ug/L	4.00		62	29-166	2	40	
Tetrachlorvinphos (Stirophos)	2.85	3.5	0.12	ug/L	4.00		71	53-123	6	40	*Jb*
Thionazin	2.77	1.0	0.31	ug/L	4.00		69	39-180	3	40	
Trichloronate	2.85	1.5	0.24	ug/L	4.00		71	60-115	10	38	
Surrogate: Chlormefos	*1.56*			*ug/L*	*2.00*		*78*	*49-171*			
Surrogate: Triphenylphosphate	*2.39*			*ug/L*	*2.01*		*119*	*60-154*			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

Alpha Acids

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 25540 Extracted: 11/23/10											
Matrix Spike Analyzed: 11/22/2010 (10111941-01AMS)						**Source: ITK1858-03**					
4-Chlorobenzenesulfonic acid	0.518	0.050	N/A	mg/L	0.5	0.058	92	60-140	0		
Benzenesulfonic acid	0.471	0.050	N/A	mg/L	0.5	0	94	60-140	0		
Diethyl phosphorodithioic acid	0.444	0.050	N/A	mg/L	0.5	0	89	60-140	0		
Dimethyl phosphorodithioic acid	0.964	0.25	N/A	mg/L	1	0	96	50-150	0		
Phthalic acid	0.278	0.050	N/A	mg/L	0.5	0	56	60-140	0		
Matrix Spike Dup Analyzed: 11/23/2010 (10111941-01AMSD)						**Source: ITK1858-03**					
4-Chlorobenzenesulfonic acid	0.544	0.050	N/A	mg/L	0.5	0.058	97	60-140	4.9	20	
Benzenesulfonic acid	0.508	0.050	N/A	mg/L	0.5	0	102	60-140	7.6	20	
Diethyl phosphorodithioic acid	0.481	0.050	N/A	mg/L	0.5	0	96	60-140	8.0	20	
Dimethyl phosphorodithioic acid	1.05	0.25	N/A	mg/L	1	0	105	50-150	8.7	20	
Phthalic acid	0.185	0.050	N/A	mg/L	0.5	0	37	60-140	40	20	
LCS Analyzed: 11/22/2010 (LCS-25540)						**Source:**					
4-Chlorobenzenesulfonic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Benzenesulfonic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Diethyl phosphorodithioic acid	0.499	0.050	N/A	mg/L	0.5		100	60-140			
Dimethyl phosphorodithioic acid	0.999	0.25	N/A	mg/L	1		100	50-150			
Phthalic acid	0.508	0.050	N/A	mg/L	0.5		102	60-140			
Blank Analyzed: 11/22/2010 (MBLK-25540)						**Source:**					
4-Chlorobenzenesulfonic acid	ND	0.050	N/A	mg/L				-			
Benzenesulfonic acid	ND	0.050	N/A	mg/L				-			
Diethyl phosphorodithioic acid	ND	0.050	N/A	mg/L				-			
Dimethyl phosphorodithioic acid	ND	0.25	N/A	mg/L				-			
Phthalic acid	ND	0.050	N/A	mg/L				-			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

METHOD BLANK/QC DATA

SW846 6010B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 326248 Extracted: 11/22/10											
Matrix Spike Dup Analyzed: 11/29/2010 (F0K180476002D)						**Source: F0K180476002**					
Sulfur	639000	100000	5340	ug/L	10000	669000	0	75-125	0	20	*N*
Matrix Spike Analyzed: 11/29/2010 (F0K180476002S)						**Source: F0K180476002**					
Sulfur	642000	100000	5340	ug/L	10000	669000	0	75-125			*N*
Blank Analyzed: 11/29/2010 (F0K220000248B)						**Source:**					
Sulfur	ND	5000	267	ug/L				-			
LCS Analyzed: 11/29/2010 (F0K220000248C)						**Source:**					
Sulfur	9760	5000	267	ug/L	10000		98	80-120			

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: ITK1858

Sampled: 11/17/10
Received: 11/18/10

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDT	1	122	ITK1858-02	10K2443
4,4'-DDT	1	122	ITK1858-03	10K2443
4,4'-DDT	1	122	ITK1858-04	10K2443

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

DATA QUALIFIERS AND DEFINITIONS

a	Spiked analyte recovery is outside stated control limits.
B	Analyte was detected in the associated Method Blank.
Ba	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
Ca	Co-eluting isomer.
H2	Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MSA	The recovery and RPD were not calculated because the sample was diluted beyond the ability to quantitate a recovery.
N	Spiked analyte recovery is outside stated control limits.
Q	Estimated maximum possible concentration (EMPC).
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
RL1	Reporting limit raised due to sample matrix effects.
RL3	Reporting limit raised due to high concentrations of non-target analytes.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EDD + Level 4	Water	N/A	N/A
EPA 3510C/8081A	Water	X	
EPA 365.3	Water	X	X
EPA 504.1	Water	X	
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	
EPA 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8082	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	N/A	N/A
EPA 8270C	Water	X	X
EPA 9014	Water	X	
EPA 9040B	Water	X	
EPA 9056	Water	X	
SM2320B	Water	X	X
SM2540C	Water	X	X
SM4500NH3-D	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Alpha Analytical (Nevada) - SUB

255 Glendale Suite 21 - Sparks, NV 89431

Analysis Performed: Level 4 Data Package - Alpha, Sparks
Samples: ITK1858-03, ITK1858-04

Analysis Performed: Organic Acids
Samples: ITK1858-03, ITK1858-04

ALPS

Method Performed: ACIDS_HPLC_W
Samples: ITK1858-03, ITK1858-04

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 11/17/10
Long Beach, CA 90810	Report Number:	ITK1858	Received: 11/18/10
Attention: Alycia McCord			

TestAmerica - Nashville, TN *NELAC Cert #1168CA, Nevada Cert #TN00032*

2960 Foster Creighton Drive - Nashville, TN 37204

Method Performed: SM 5310C
Samples: ITK1858-03, ITK1858-04

Method Performed: SW846 8315A
Samples: ITK1858-02RE1, ITK1858-03RE1, ITK1858-04RE1

TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: 8141A STD
Samples: ITK1858-03, ITK1858-04

TestAmerica St. Louis *California Cert #2542, Nevada Cert #MO00542009A*

13715 Rider Trail North - Earth City, MO 63045

Method Performed: SW846 6010B
Samples: ITK1858-03, ITK1858-04

TestAmerica West Sacramento *NELAC Cert #1119CA, Nevada Cert #CA44*

880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: EPA-14 1668
Samples: ITK1858-03, ITK1858-04

Method Performed: SW846 6850-DISS
Samples: ITK1858-03, ITK1858-04

Weck Laboratories, Inc. *California Cert #1132*

14859 E. Clark Avenue - City of Industry, CA 91745

Method Performed: EPA 9056 M
Samples: ITK1858-03, ITK1858-04

TestAmerica Irvine

Kathleen A. Robb For Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ZTK1858

Client: AECOM	Project Manager: ALYCIA McCORD	Date: 11/17/10	Chain of Custody Number: 165106
Address: 3995 VIA ORO	Telephone Number (Area Code)/Fax Number: 562-213-415	Lab Number:	Page 1 of 1
City: LONG Beach; State: CA; Zip Code: 90810	Site Contact: K. Carr Gr	Lab Contact: P. Mata / K. Robb	
Project Name and Location (State): Henderson Trust	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260B Hand.	Cr6+ 7199	8260B+15 oxygs	See PM for Addn' analysis	Special Instructions/ Conditions of Receipt
TB111710	11/17/10	715		X						X			X				
MC-MW-32	11/17/10	645		X			X								X	X	Level IV Data Package (all)
MC-MW-33	↕	1230		X			X	X	X	X	X		X	X	X	X	RUSH on 8260B-Hand Level IV Data packages.
MC-MW-33PB	11/17/10	1235		X						X			X				
MC-mw-33B	11/17/10	1280					X	X	X	X	X		X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	11/17/10	1451	1. Received By	11/17/10	1451
2. Relinquished By	11/17/10	1600	2. Received By	11/18/10	0845
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TOTAL COUNT (69)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. ITK1858

TestAmerica Irvine

Lot #: F0K190519

Patty Mata

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817

TESTAMERICA LABORATORIES, INC.

Lynn Fussner
Project Manager

November 30, 2010

13715 Rider Trail North Earth City, MO 63045 **tel** 314.298.8566 **fax** 314.298.8757 **www.testamericainc.com**

Case Narrative
LOT NUMBER: F0K190519

This report contains the analytical results for the two samples received under chain of custody by TestAmerica St. Louis on November 19, 2010. These samples are associated with your TestAmerica Irvine project.

The analytical results included in this report meet all applicable quality control procedure requirements, except as noted below.

The test results in this report meet all NELAP requirements for parameters in which accreditations are held by TestAmerica St. Louis. Any exceptions to NELAP requirements are noted in the case narrative. **TestAmerica St. Louis' Florida certification number is E87689.** The case narrative is an integral part of this report.

This report shall not be reproduced, except in full, without the written approval of the laboratory.

All chemical analysis results are based upon sample as received, wet weight, unless noted otherwise. All radiochemistry results are based upon sample as dried and ground with the exception of tritium, unless requested wet weight by the client.

Observations/Nonconformances
Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Inductively Coupled Plasma (ICP) Metals (SW-846 6010B)

Batch: 0326248
The samples were analyzed at a dilution due to high concentrations of target and interfering analytes. The reporting limit has been adjusted for the dilution since no analysis at a lesser dilution was performed.

The MS and MSD recoveries for Sulfur are outside the established QC limits. The said analyte concentration in the original sample is greater than four times the amount spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:
F0K190519 (1): ITK1858-03
F0K190519 (2): ITK1858-04

METHODS SUMMARY

F0K190519

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

F0K190519

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
MAAPH	001	ITK1858-03	11/17/10	12:30
MAAP7	002	ITK1858-04	11/17/10	12:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Irvine

Client Sample ID: ITK1858-03

TOTAL Metals

Lot-Sample #...: F0K190519-001 Matrix.....: WATER
Date Sampled...: 11/17/10 12:30 Date Received..: 11/19/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	89200	25000	ug/L	SW846 6010B	11/22-11/29/10	MAAPH1AA
		Dilution Factor: 5		Analysis Time..: 15:26		

TestAmerica Irvine

Client Sample ID: ITK1858-04

TOTAL Metals

Lot-Sample #...: F0K190519-002 Matrix.....: WATER
Date Sampled...: 11/17/10 12:30 Date Received..: 11/19/10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0326248						
Sulfur	83600	25000	ug/L	SW846 6010B	11/22-11/29/10	MAAP71AA
		Dilution Factor: 5		Analysis Time..: 15:33		

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: F0K190519 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: F0K220000-248 Prep Batch #...: 0326248						
Sulfur	ND	5000	ug/L	SW846 6010B	11/22-11/29/10	MAEFM1AA
		Dilution Factor: 1				
		Analysis Time..: 14:17				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F0K190519 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#:	F0K220000-248	**Prep Batch #...:** 0326248			
Sulfur	98	(80 - 120)	SW846 6010B	11/22-11/29/10	MAEFM1AC
		Dilution Factor: 1	Analysis Time..: 14:24		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: F0K190519 Matrix.....: WATER
Date Sampled...: 11/16/10 10:15 Date Received..: 11/18/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: F0K180476-002 Prep Batch #...: 0326248							
Sulfur	0.0 N	(75 - 125)			SW846 6010B	11/22-11/29/10	L98EL1AC
	0.0 N	(75 - 125)	0.0	(0-20)	SW846 6010B	11/22-11/29/10	L98EL1AD
		Dilution Factor: 20					
		Analysis Time..: 15:01					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

F0K190519

CLIENT ANALYSIS SUMMARY

Storage Loc: METS

Date Received: 2010-11-19

Analytical Due Date: 2010-11-30

Report Due Date: 2010-11-30

Project Manager: LMF Quote #: 77635 SDG: ITK1858

Project: ITK1858 TestAmerica Irvine

PO#: ITK1858 Report to: Debbie Wilson

Client: 440 TestAmerica Irvine #SMPS in LOT: 0

Report Type: B Standard Report

EDD Code: 00

GEOSYNTEC do not login % moisture for this client only GEOSYNTEC ***Please log LEVEL 4***** Login - Please include the 7 digit client ID # at the top o the subcontract sheet as the SDG #, Project and PO #.

LOG IN SAMPLES FOR A 14 DAY TAT - DO NOT LOG THEM IN FOR LESS UNLESS CLEARED WTIH PM

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
1	ITK1858-03			2010-11-17 / 1230	MAAPH	WATER

SAMPLE COMMENTS:

SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: D	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
2	ITK1858-04			2010-11-17 / 1230	MAAP7	WATER

SAMPLE COMMENTS:

SX	QM	SW846 6010B	WATER, 6010, Sulfur only	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: D	WRK LOC	06

wl 392

SUBCONTRACT ORDER
TestAmerica Irvine
ITK1858

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata
Client: AECOM Inc - Long Beach

RECEIVING LABORATORY:

TestAmerica St. Louis
13715 Rider Trail North
Earth City, MO 63045
Phone :(314) 298-8566
Fax: (314) 298-8757
Project Location: NV - NEVADA
Receipt Temperature:_____°C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ITK1858-03 (MC-MW-33 - Water) Sampled: 11/17/10 12:30						
Sulfur-6010-OUT	mg/l	12/01/10	05/16/11 12:30	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (O)						
Sample ID: ITK1858-04 (MC-MW-33B - Water) Sampled: 11/17/10 12:30						
Sulfur-6010-OUT	mg/l	12/01/10	05/16/11 12:30	$50.00	0%	Level 4 data pkg, Jflag
Containers Supplied: 500 mL Poly w/HNO3 (O)						

Released By	Date/Time	Received By	Date/Time
Margarita Sales	11/18/10 17:00	FedEx	11/18/10 17:00
			11-19-10 0930

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lot #(s): F0K190519 526

CONDITION UPON RECEIPT FORM

Client: TA Irvine

Quote No: 77635

COC/RFA No: IJK1137 1858

392

Initiated By: JN Date: 11-19-10 Time: 0930

Shipping Information

Shipper: (FedEx) UPS DHL Courier Client Other: _____ Multiple Packages: Y (N)

Shipping # (s):*		Sample Temperature (s):**	
1. 4289 2137 2265	6.	1. 4	6.
2.	7.	2.	7.
3.	8.	3.	8.
4.	9.	4.	9.
5.	10.	5.	10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	Y (N)	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y N (N/A)	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	Y N (N/A)	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	(Y) N	Sample received in proper containers?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
6.	Y (N)	Was sample received broken?	13.	(Y) N N/A	Was Internal COC/Workshare received?
7.	(Y) N	Is sample volume sufficient for analysis?	14.	(Y) N N/A	Was pH taken by original TestAmerica lab?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:

☐ Client Contact Name: _____ Informed by: _____

☐ Sample(s) processed "as is"

☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: Jayma Awalt Date: 11-22-10

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 10/21/08 \\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

Alpha Analytical, Inc.

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

Date: *26-Nov-2010*

Patty Mata
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614
(949) 261-1022

CASE NARRATIVE

Job: ITK1858
Work Order: TAC10111941 **Cooler Temp:** 4 °C

Alpha's Sample ID	Client's Sample ID	Matrix
10111941-01A	ITK1858-03 (MC-MW-33 - Water)	Aqueous
10111941-02A	ITK1858-04 (MC-MW-33B - Water)	Aqueous

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

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614

Attn: Patty Mata
Phone: (949) 261-1022
Fax: (949) 261-1228
Date Received : 11/19/10

Job: ITK1858

Organic Acids by HPLC
Alpha Acids

Parameter		Concentration		Reporting Limit	Date Extracted	Date Analyzed
Client ID: **ITK1858-03 (MC-MW-33 - Water)**						
Lab ID : TAC10111941-01A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/22/10 22:06
Date Sampled 11/17/10 12:30	Benzenesulfonic acid	0.038	J	0.050 mg/L	11/22/10 10:30	11/22/10 22:06
	Phthalic acid	ND		0.050 mg/L	11/22/10 10:30	11/22/10 22:06
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/22/10 22:06
	4-Chlorobenzenesulfonic acid	0.058		0.050 mg/L	11/22/10 10:30	11/22/10 22:06
Client ID: **ITK1858-04 (MC-MW-33B - Water)**						
Lab ID : TAC10111941-02A	Dimethyl phosphorodithioic acid	ND		0.25 mg/L	11/22/10 10:30	11/23/10 01:14
Date Sampled 11/17/10 12:30	Benzenesulfonic acid	0.035	J	0.050 mg/L	11/22/10 10:30	11/23/10 01:14
	Phthalic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 01:14
	Diethyl phosphorodithioic acid	ND		0.050 mg/L	11/22/10 10:30	11/23/10 01:14
	4-Chlorobenzenesulfonic acid	0.056		0.050 mg/L	11/22/10 10:30	11/23/10 01:14

Note: Samples were evaluated to half of the reporting limit.
Sample data was verified by spike addition confirmation.
This replaces the report signed 11/30/10 due to a change to the date extracted, due to lab error.

ND = Not Detected
J = The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample.

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com
Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

12/6/10
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *26-Nov-2010*

QC Summary Report

Work Order: 10111941

Method Blank

Type **MBLK** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 18:58**

Sample ID: **MBLK-25540** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	ND	0.25								
Benzenesulfonic acid	ND	0.05								
Phthalic acid	ND	0.05								
Diethyl phosphorodithioic acid	ND	0.05								
4-Chlorobenzenesulfonic acid	ND	0.05								

Laboratory Control Spike

Type **LCS** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 20:00**

Sample ID: **LCS-25540** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	0.999	0.25	1		99.9	50	150			
Benzenesulfonic acid	0.499	0.05	0.5		99.8	60	140			
Phthalic acid	0.508	0.05	0.5		102	60	140			
Diethyl phosphorodithioic acid	0.499	0.05	0.5		99.8	60	140			
4-Chlorobenzenesulfonic acid	0.499	0.05	0.5		99.8	60	140			

Sample Matrix Spike

Type **MS** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/22/2010 23:09**

Sample ID: **10111941-01AMS** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	0.964	0.25	1	0	96	50	150			
Benzenesulfonic acid	0.471	0.05	0.5	0	94	60	140			
Phthalic acid	0.278	0.05	0.5	0	56	60	140			M2
Diethyl phosphorodithioic acid	0.444	0.05	0.5	0	89	60	140			
4-Chlorobenzenesulfonic acid	0.518	0.05	0.5	0.058	92	60	140			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **Alpha Acids**

File ID: Batch ID: **25540** Analysis Date: **11/23/2010 11:54**

Sample ID: **10111941-01AMSD** Units : **mg/L** Run ID: **HPLC_1_101123A** Prep Date: **11/23/2010 10:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	1.05	0.25	1	0	105	50	150	0.964	8.7(20)	
Benzenesulfonic acid	0.508	0.05	0.5	0	102	60	140	0.471	7.6(20)	
Phthalic acid	0.185	0.05	0.5	0	37	60	140	0.278	40.2(20)	M2 R58
Diethyl phosphorodithioic acid	0.481	0.05	0.5	0	96	60	140	0.444	8.0(20)	
4-Chlorobenzenesulfonic acid	0.544	0.05	0.5	0.058	97	60	140	0.518	4.9(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

R58 = MS/MSD RPD exceeded the laboratory control limit.

Sample data was verified by spike addition confirmation.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

NV

WorkOrder : TAC10111941

Report Due By : 5:00 PM On : 01-Dec-10

Client:
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100

Irvine, CA 92614

Report Attention	Phone Number	EMail Address
Patty Mata	(949) 261-1022 x	patty.mata@testamericainc.com

Report J Values down to MDL : Yes

EDD Required : **Yes**

Sampled by : Client

PO :

Client's COC # : none Job : ITK1858

Cooler Temp	Samples Received	Date Printed
4 °C	19-Nov-10	**19-Nov-10**

QC Level : 4 = Final Rpt, MBLK, LCS, MS/MSD, InitCal/ConCal data

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: ACIDS_HPLC_W							Sample Remarks
TAC10111941-01A	ITK1858-03 (MC-MW-33 - Water)	AQ	11/17/10 12:30	1	0	7	OrganicAcids							Level IV QC/mult. dilutions
TAC10111941-02A	ITK1858-04 (MC-MW-33B - Water)	AQ	11/17/10 12:30	1	0	7	OrganicAcids							Level IV QC/mult. dilutions

Comments: Security seals intact. Frozen ice. Client requests J-Flags. Level IV QC. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tara Jackinson	Tara Jackinson	Alpha Analytical, Inc.	11/19/10 951

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

SUBCONTRACT ORDER
TestAmerica Irvine

ITK1858

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

Alpha Analytical (Nevada) - SUB
255 Glendale Suite 21
Sparks, NV 89431
Phone :(775) 355-1044
Fax: na
Project Location: NV - NEVADA
Receipt Temperature: 4 °C Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: _____ Initials: _____

Analysis	Units	Expires	Comments
TAC10111941			
Sample ID: ITK1858-03 (MC-MW-33 - Water) -01		Sampled: **11/17/10 12:30**	
Level 4 Data Package - Alpha, Sparks	N/A	12/15/10 12:30	
Organic Acids-Out	mg/l	12/15/10 12:30	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied:			
250 mL Glass (M)			
Sample ID: ITK1858-04 (MC-MW-33B - Water) -02		Sampled: **11/17/10 12:30**	
Level 4 Data Package - Alpha, Sparks	N/A	12/15/10 12:30	
Organic Acids-Out	mg/l	12/15/10 12:30	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied:			
250 mL Glass (M)			

Released By	Date/Time	Received By	Date/Time
[signature]	11/18/10 17:00	FedEx	11/18/10 17:00
		[signature]	11/19/10 901
Released By	Date/Time	Received By	Date/Time

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

LABORATORY REPORT

Prepared For: AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project: Henderson - SRC Water Program
Henderson - SRC Water Program

Sampled: 08/31/11
Received: 09/01/11
Issued: 09/21/11 21:32

NELAP #01108CA Nevada #CA-72

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 4°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS:	Results that fall between the MDL and RL are 'J' flagged.
SUBCONTRACTED:	Refer to the last page for specific subcontract laboratory information included in this report.

TestAmerica Irvine

Amy Harris
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Henderson - SRC Water Program Henderson - SRC Water Program Report Number: IUI0011	Sampled: 08/31/11 Received: 09/01/11

ADDITIONAL INFORMATION:

WATER, 6850, Perchlorate
Samples: 3, 4

Per method guidelines, a laboratory control sample (LCS) and a synthetic matrix check sample (SMCS) have been analyzed with this analytical batch. Each set of data is reported as an LCS with the following work order numbers assigned:

LCS: MMCF81AC
SMCS: MMCF81AD

WATER, 1668, PCB's

Samples: 3, 4
The recovery for the internal standards 13C-PCB-4 and 13C-PCB-15 in the associated laboratory control sample (LCS) are below the established limits. Data quality is not considered affected if the internal standard signal-to-noise ratio is greater than 10:1, which is achieved for all internal standards in the sample. The detection limits are below the lower calibration limit and the percent recoveries for the spiked natives are within the acceptance limits. There is no adverse impact on the quality of this data.

The recovery for the surrogate 13C-PCB-28 is below the established limit in the associated LCS. The surrogate recoveries in the method blank and samples are within established control limits. The surrogate is not used in the quantitation of any analytes and there is no adverse impact on the quality of this data.

Sample: 3
Some analytes in this sample have an ion abundance ratio that is outside of criteria. The analytes are considered as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio. Analytical results are reported with a "Q" flag.

LABORATORY ID	CLIENT ID	MATRIX
IUI0011-01	TB083111A	Water
IUI0011-02	EB083111A	Water
IUI0011-03	MC-MW-34	Water
IUI0011-04	MC-MW-35	Water
IUI0011-05	FB083111A	Water

Reviewed By:

Amy Harris

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	11I0682	0.095	0.48	**0.90**	0.952	09/07/11	09/07/11	QP1
ORO (C25-C40)	EPA 8015B	11I0682	0.095	0.48	ND	0.952	09/07/11	09/07/11	
EFH (C10 - C40)	EPA 8015B	11I0682	0.095	0.48	**0.90**	0.952	09/07/11	09/07/11	QP1
Surrogate: n-Octacosane (45-120%)					*77 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
DRO (C10-C24)	EPA 8015B	11I0682	0.095	0.48	ND	0.952	09/07/11	09/07/11	
ORO (C25-C40)	EPA 8015B	11I0682	0.095	0.48	ND	0.952	09/07/11	09/07/11	
EFH (C10 - C40)	EPA 8015B	11I0682	0.095	0.48	ND	0.952	09/07/11	09/07/11	
Surrogate: n-Octacosane (45-120%)					*76 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	11I0688	0.30	0.50	ND	1	09/07/11	09/07/11	
Methanol	EPA 8015B	11I0688	0.30	0.50	ND	1	09/07/11	09/07/11	
Surrogate: 1-Pentanol (70-130%)					*90 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
Ethanol	EPA 8015B	11I0868	0.30	0.50	ND	1	09/08/11	09/10/11	
Methanol	EPA 8015B	11I0868	0.30	0.50	ND	1	09/08/11	09/10/11	
Surrogate: 1-Pentanol (70-130%)					*86 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	11I0678	250	500	**2800**	10	09/07/11	09/07/11	QP1
Surrogate: 4-BFB (FID) (65-140%)					*87 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015 Mod.	11I0468	25	50	ND	1	09/06/11	09/07/11	
Surrogate: 4-BFB (FID) (65-140%)					*94 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-01 (TB083111A - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0233	4.5	10	ND	1	09/02/11	09/02/11	
Benzene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Bromobenzene	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
Bromochloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromodichloromethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Bromoform	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromomethane	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
2-Butanone (MEK)	EPA 8260B	11I0233	4.7	10	ND	1	09/02/11	09/02/11	
n-Butylbenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
sec-Butylbenzene	EPA 8260B	11I0233	0.25	5.0	ND	1	09/02/11	09/02/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
tert-Butylbenzene	EPA 8260B	11I0233	0.22	5.0	ND	1	09/02/11	09/02/11	
Carbon Disulfide	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
Carbon tetrachloride	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chlorobenzene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
2,2-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
2,4-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroform	EPA 8260B	11I0233	0.33	2.0	ND	1	09/02/11	09/02/11	
Chloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2-Chlorotoluene	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
4-Chlorotoluene	EPA 8260B	11I0233	0.29	5.0	ND	1	09/02/11	09/02/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0233	0.97	5.0	ND	1	09/02/11	09/02/11	
2-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromochloromethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
3-Ethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromomethane	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichlorobenzene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichlorobenzene	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,4-Dichlorobenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
Dichlorodifluoromethane	EPA 8260B	11I0233	0.26	5.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichloroethane	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethene	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-01 (TB083111A - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichloropropane	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
2,2-Dichloropropane	EPA 8260B	11I0233	0.34	2.0	ND	1	09/02/11	09/02/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0233	0.22	2.0	ND	1	09/02/11	09/02/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloropropene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Dimethyl disulfide	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Ethylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
Hexachlorobutadiene	EPA 8260B	11I0233	0.38	5.0	ND	1	09/02/11	09/02/11	
2-Hexanone	EPA 8260B	11I0233	2.6	10	ND	1	09/02/11	09/02/11	
n-Heptane	EPA 8260B	11I0233	0.50	5.0	ND	1	09/02/11	09/02/11	
Nonanal	EPA 8260B	11I0233	1.5	5.0	ND	1	09/02/11	09/02/11	
Isopropylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
p-Isopropyltoluene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0233	3.5	10	ND	1	09/02/11	09/02/11	
Methylene chloride	EPA 8260B	11I0233	0.95	5.0	ND	1	09/02/11	09/02/11	
Naphthalene	EPA 8260B	11I0233	0.41	5.0	ND	1	09/02/11	09/02/11	
n-Propylbenzene	EPA 8260B	11I0233	0.27	2.0	ND	1	09/02/11	09/02/11	
Styrene	EPA 8260B	11I0233	0.20	2.0	ND	1	09/02/11	09/02/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Tetrachloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
Toluene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0233	0.30	5.0	ND	1	09/02/11	09/02/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
1,1,1-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
1,1,2-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Trichloroethene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Trichlorofluoromethane	EPA 8260B	11I0233	0.34	5.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichloropropane	EPA 8260B	11I0233	0.40	10	ND	1	09/02/11	09/02/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0233	0.23	2.0	ND	1	09/02/11	09/02/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Vinyl chloride	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
m,p-Xylenes	EPA 8260B	11I0233	0.60	2.0	ND	1	09/02/11	09/02/11	
o-Xylene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*94 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-02 (EB083111A - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0233	4.5	10	ND	1	09/02/11	09/02/11	
Benzene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Bromobenzene	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
Bromochloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromodichloromethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Bromoform	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromomethane	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
2-Butanone (MEK)	EPA 8260B	11I0233	4.7	10	ND	1	09/02/11	09/02/11	
n-Butylbenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
sec-Butylbenzene	EPA 8260B	11I0233	0.25	5.0	ND	1	09/02/11	09/02/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
tert-Butylbenzene	EPA 8260B	11I0233	0.22	5.0	ND	1	09/02/11	09/02/11	
Carbon Disulfide	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
Carbon tetrachloride	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chlorobenzene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
2,2-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
2,4-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroform	EPA 8260B	11I0233	0.33	2.0	ND	1	09/02/11	09/02/11	
Chloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2-Chlorotoluene	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
4-Chlorotoluene	EPA 8260B	11I0233	0.29	5.0	ND	1	09/02/11	09/02/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0233	0.97	5.0	ND	1	09/02/11	09/02/11	
2-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromochloromethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
3-Ethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromomethane	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichlorobenzene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichlorobenzene	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,4-Dichlorobenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
Dichlorodifluoromethane	EPA 8260B	11I0233	0.26	5.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichloroethane	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethene	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-02 (EB083111A - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichloropropane	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
2,2-Dichloropropane	EPA 8260B	11I0233	0.34	2.0	ND	1	09/02/11	09/02/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0233	0.22	2.0	ND	1	09/02/11	09/02/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloropropene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Dimethyl disulfide	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Ethylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
Hexachlorobutadiene	EPA 8260B	11I0233	0.38	5.0	ND	1	09/02/11	09/02/11	
2-Hexanone	EPA 8260B	11I0233	2.6	10	ND	1	09/02/11	09/02/11	
n-Heptane	EPA 8260B	11I0233	0.50	5.0	ND	1	09/02/11	09/02/11	
Nonanal	EPA 8260B	11I0233	1.5	5.0	ND	1	09/02/11	09/02/11	
Isopropylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
p-Isopropyltoluene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0233	3.5	10	ND	1	09/02/11	09/02/11	
Methylene chloride	EPA 8260B	11I0233	0.95	5.0	ND	1	09/02/11	09/02/11	
Naphthalene	EPA 8260B	11I0233	0.41	5.0	ND	1	09/02/11	09/02/11	
n-Propylbenzene	EPA 8260B	11I0233	0.27	2.0	ND	1	09/02/11	09/02/11	
Styrene	EPA 8260B	11I0233	0.20	2.0	ND	1	09/02/11	09/02/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Tetrachloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
Toluene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0233	0.30	5.0	ND	1	09/02/11	09/02/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
1,1,1-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
1,1,2-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Trichloroethene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Trichlorofluoromethane	EPA 8260B	11I0233	0.34	5.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichloropropane	EPA 8260B	11I0233	0.40	10	ND	1	09/02/11	09/02/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0233	0.23	2.0	ND	1	09/02/11	09/02/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Vinyl chloride	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
m,p-Xylenes	EPA 8260B	11I0233	0.60	2.0	ND	1	09/02/11	09/02/11	
o-Xylene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*96 %*				
Surrogate: Toluene-d8 (80-120%)					*106 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0233	22	50	ND	5	09/02/11	09/02/11	
Bromobenzene	EPA 8260B	11I0233	1.4	25	ND	5	09/02/11	09/02/11	
Bromochloromethane	EPA 8260B	11I0233	2.0	25	ND	5	09/02/11	09/02/11	
Bromodichloromethane	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
Bromoform	EPA 8260B	11I0233	2.0	25	ND	5	09/02/11	09/02/11	
Bromomethane	EPA 8260B	11I0233	2.1	25	ND	5	09/02/11	09/02/11	
2-Butanone (MEK)	EPA 8260B	11I0233	24	50	ND	5	09/02/11	09/02/11	
n-Butylbenzene	EPA 8260B	11I0233	1.8	10	ND	5	09/02/11	09/02/11	
sec-Butylbenzene	EPA 8260B	11I0233	1.2	25	ND	5	09/02/11	09/02/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
tert-Butylbenzene	EPA 8260B	11I0233	1.1	25	ND	5	09/02/11	09/02/11	
Carbon Disulfide	EPA 8260B	11I0233	2.4	25	ND	5	09/02/11	09/02/11	
Carbon tetrachloride	EPA 8260B	11I0233	1.4	25	ND	5	09/02/11	09/02/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
2,2-Dimethylpentane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
Chloroethane	EPA 8260B	11I0233	2.0	25	ND	5	09/02/11	09/02/11	
2,3-Dimethylpentane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
2,4-Dimethylpentane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
Chloroform	EPA 8260B	11I0233	1.6	10	**220**	5	09/02/11	09/02/11	
Chloromethane	EPA 8260B	11I0233	2.0	25	ND	5	09/02/11	09/02/11	
2-Chlorotoluene	EPA 8260B	11I0233	1.4	25	ND	5	09/02/11	09/02/11	
4-Chlorotoluene	EPA 8260B	11I0233	1.4	25	ND	5	09/02/11	09/02/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0233	4.8	25	ND	5	09/02/11	09/02/11	
2-Methylhexane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
3,3-Dimethylpentane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
Dibromochloromethane	EPA 8260B	11I0233	2.0	10	ND	5	09/02/11	09/02/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0233	2.0	10	ND	5	09/02/11	09/02/11	
3-Ethylpentane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
3-Methylhexane	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
Dibromomethane	EPA 8260B	11I0233	1.8	10	ND	5	09/02/11	09/02/11	
1,2-Dichlorobenzene	EPA 8260B	11I0233	1.6	10	**26**	5	09/02/11	09/02/11	
1,3-Dichlorobenzene	EPA 8260B	11I0233	1.8	10	ND	5	09/02/11	09/02/11	
1,4-Dichlorobenzene	EPA 8260B	11I0233	1.8	10	**36**	5	09/02/11	09/02/11	
Dichlorodifluoromethane	EPA 8260B	11I0233	1.3	25	ND	5	09/02/11	09/02/11	
1,1-Dichloroethane	EPA 8260B	11I0233	2.0	10	**18**	5	09/02/11	09/02/11	
1,2-Dichloroethane	EPA 8260B	11I0233	1.4	10	**4.6**	5	09/02/11	09/02/11	Jb
1,1-Dichloroethene	EPA 8260B	11I0233	2.1	25	ND	5	09/02/11	09/02/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0233	1.6	10	ND	5	09/02/11	09/02/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
1,2-Dichloropropane	EPA 8260B	11I0233	1.8	10	ND	5	09/02/11	09/02/11	
1,3-Dichloropropane	EPA 8260B	11I0233	1.6	25	ND	5	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water) - cont.									
Reporting Units: ug/l									
2,2-Dichloropropane	EPA 8260B	11I0233	1.7	10	ND	5	09/02/11	09/02/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0233	1.1	10	ND	5	09/02/11	09/02/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0233	1.6	10	ND	5	09/02/11	09/02/11	
1,1-Dichloropropene	EPA 8260B	11I0233	1.4	10	ND	5	09/02/11	09/02/11	
Dimethyl disulfide	EPA 8260B	11I0233	2.5	10	ND	5	09/02/11	09/02/11	
Ethylbenzene	EPA 8260B	11I0233	1.2	10	ND	5	09/02/11	09/02/11	
Hexachlorobutadiene	EPA 8260B	11I0233	1.9	25	ND	5	09/02/11	09/02/11	
2-Hexanone	EPA 8260B	11I0233	13	50	ND	5	09/02/11	09/02/11	
n-Heptane	EPA 8260B	11I0233	2.5	25	ND	5	09/02/11	09/02/11	
Nonanal	EPA 8260B	11I0233	7.5	25	ND	5	09/02/11	09/02/11	
Isopropylbenzene	EPA 8260B	11I0233	1.2	10	ND	5	09/02/11	09/02/11	
p-Isopropyltoluene	EPA 8260B	11I0233	1.4	10	ND	5	09/02/11	09/02/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0233	18	50	ND	5	09/02/11	09/02/11	
Methylene chloride	EPA 8260B	11I0233	4.8	25	**9.2**	5	09/02/11	09/02/11	Jb
Naphthalene	EPA 8260B	11I0233	2.0	25	ND	5	09/02/11	09/02/11	
n-Propylbenzene	EPA 8260B	11I0233	1.4	10	ND	5	09/02/11	09/02/11	
Styrene	EPA 8260B	11I0233	1.0	10	ND	5	09/02/11	09/02/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0233	1.4	25	ND	5	09/02/11	09/02/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
Tetrachloroethene	EPA 8260B	11I0233	1.6	10	ND	5	09/02/11	09/02/11	
Toluene	EPA 8260B	11I0233	1.8	10	ND	5	09/02/11	09/02/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0233	1.5	25	ND	5	09/02/11	09/02/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0233	2.4	25	ND	5	09/02/11	09/02/11	
1,1,1-Trichloroethane	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
1,1,2-Trichloroethane	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
Trichloroethene	EPA 8260B	11I0233	1.3	10	**2.3**	5	09/02/11	09/02/11	Jb
Trichlorofluoromethane	EPA 8260B	11I0233	1.7	25	ND	5	09/02/11	09/02/11	
1,2,3-Trichloropropane	EPA 8260B	11I0233	2.0	50	ND	5	09/02/11	09/02/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0233	1.2	10	ND	5	09/02/11	09/02/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0233	1.3	10	ND	5	09/02/11	09/02/11	
Vinyl chloride	EPA 8260B	11I0233	2.0	10	ND	5	09/02/11	09/02/11	
m,p-Xylenes	EPA 8260B	11I0233	3.0	10	ND	5	09/02/11	09/02/11	
o-Xylene	EPA 8260B	11I0233	1.5	10	ND	5	09/02/11	09/02/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0233	1.6	25	ND	5	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*103 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03RE1 (MC-MW-34 - Water) - cont.									
Reporting Units: ug/l									
Benzene	EPA 8260B	11I0233	7.0	50	**1500**	25	09/02/11	09/02/11	
Chlorobenzene	EPA 8260B	11I0233	9.0	50	**950**	25	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*99 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0233	4.5	10	ND	1	09/02/11	09/02/11	
Benzene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Bromobenzene	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
Bromochloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromodichloromethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Bromoform	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromomethane	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
2-Butanone (MEK)	EPA 8260B	11I0233	4.7	10	ND	1	09/02/11	09/02/11	
n-Butylbenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
sec-Butylbenzene	EPA 8260B	11I0233	0.25	5.0	ND	1	09/02/11	09/02/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
tert-Butylbenzene	EPA 8260B	11I0233	0.22	5.0	ND	1	09/02/11	09/02/11	
Carbon Disulfide	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
Carbon tetrachloride	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chlorobenzene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
2,2-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
2,4-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroform	EPA 8260B	11I0233	0.33	2.0	**0.45**	1	09/02/11	09/02/11	Jb
Chloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2-Chlorotoluene	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
4-Chlorotoluene	EPA 8260B	11I0233	0.29	5.0	ND	1	09/02/11	09/02/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0233	0.97	5.0	ND	1	09/02/11	09/02/11	
2-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromochloromethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
3-Ethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromomethane	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichlorobenzene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichlorobenzene	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,4-Dichlorobenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
Dichlorodifluoromethane	EPA 8260B	11I0233	0.26	5.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichloroethane	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethene	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichloropropane	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
2,2-Dichloropropane	EPA 8260B	11I0233	0.34	2.0	ND	1	09/02/11	09/02/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0233	0.22	2.0	ND	1	09/02/11	09/02/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloropropene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Dimethyl disulfide	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Ethylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
Hexachlorobutadiene	EPA 8260B	11I0233	0.38	5.0	ND	1	09/02/11	09/02/11	
2-Hexanone	EPA 8260B	11I0233	2.6	10	ND	1	09/02/11	09/02/11	
n-Heptane	EPA 8260B	11I0233	0.50	5.0	ND	1	09/02/11	09/02/11	
Nonanal	EPA 8260B	11I0233	1.5	5.0	ND	1	09/02/11	09/02/11	
Isopropylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
p-Isopropyltoluene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0233	3.5	10	ND	1	09/02/11	09/02/11	
Methylene chloride	EPA 8260B	11I0233	0.95	5.0	ND	1	09/02/11	09/02/11	
Naphthalene	EPA 8260B	11I0233	0.41	5.0	ND	1	09/02/11	09/02/11	
n-Propylbenzene	EPA 8260B	11I0233	0.27	2.0	ND	1	09/02/11	09/02/11	
Styrene	EPA 8260B	11I0233	0.20	2.0	ND	1	09/02/11	09/02/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Tetrachloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
Toluene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichlorobenzene	EPA 8260B	11I0233	0.30	5.0	ND	1	09/02/11	09/02/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
1,1,1-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
1,1,2-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Trichloroethene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Trichlorofluoromethane	EPA 8260B	11I0233	0.34	5.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichloropropane	EPA 8260B	11I0233	0.40	10	ND	1	09/02/11	09/02/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0233	0.23	2.0	ND	1	09/02/11	09/02/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Vinyl chloride	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
m,p-Xylenes	EPA 8260B	11I0233	0.60	2.0	ND	1	09/02/11	09/02/11	
o-Xylene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*95 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-05 (FB083111A - Water)									
Reporting Units: ug/l									
Acetone	EPA 8260B	11I0233	4.5	10	ND	1	09/02/11	09/02/11	
Benzene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Bromobenzene	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
Bromochloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromodichloromethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Bromoform	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
Bromomethane	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
2-Butanone (MEK)	EPA 8260B	11I0233	4.7	10	ND	1	09/02/11	09/02/11	
n-Butylbenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
sec-Butylbenzene	EPA 8260B	11I0233	0.25	5.0	ND	1	09/02/11	09/02/11	
1,3,5-Trichlorobenzene	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
tert-Butylbenzene	EPA 8260B	11I0233	0.22	5.0	ND	1	09/02/11	09/02/11	
Carbon Disulfide	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
Carbon tetrachloride	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
2,2,3-Trimethylbutane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chlorobenzene	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
2,2-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
2,4-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Chloroform	EPA 8260B	11I0233	0.33	2.0	ND	1	09/02/11	09/02/11	
Chloromethane	EPA 8260B	11I0233	0.40	5.0	ND	1	09/02/11	09/02/11	
2-Chlorotoluene	EPA 8260B	11I0233	0.28	5.0	ND	1	09/02/11	09/02/11	
4-Chlorotoluene	EPA 8260B	11I0233	0.29	5.0	ND	1	09/02/11	09/02/11	
1,2-Dibromo-3-chloropropane	EPA 8260B	11I0233	0.97	5.0	ND	1	09/02/11	09/02/11	
2-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3,3-Dimethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromochloromethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dibromoethane (EDB)	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
3-Ethylpentane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
3-Methylhexane	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Dibromomethane	EPA 8260B	11I0233	0.36	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichlorobenzene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichlorobenzene	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,4-Dichlorobenzene	EPA 8260B	11I0233	0.37	2.0	ND	1	09/02/11	09/02/11	
Dichlorodifluoromethane	EPA 8260B	11I0233	0.26	5.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethane	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
1,2-Dichloroethane	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloroethene	EPA 8260B	11I0233	0.42	5.0	ND	1	09/02/11	09/02/11	
cis-1,2-Dichloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
trans-1,2-Dichloroethene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-05 (FB083111A - Water) - cont.									
Reporting Units: ug/l									
1,2-Dichloropropane	EPA 8260B	11I0233	0.35	2.0	ND	1	09/02/11	09/02/11	
1,3-Dichloropropane	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
2,2-Dichloropropane	EPA 8260B	11I0233	0.34	2.0	ND	1	09/02/11	09/02/11	
cis-1,3-Dichloropropene	EPA 8260B	11I0233	0.22	2.0	ND	1	09/02/11	09/02/11	
trans-1,3-Dichloropropene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
1,1-Dichloropropene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
Dimethyl disulfide	EPA 8260B	11I0233	0.50	2.0	ND	1	09/02/11	09/02/11	
Ethylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
Hexachlorobutadiene	EPA 8260B	11I0233	0.38	5.0	ND	1	09/02/11	09/02/11	
2-Hexanone	EPA 8260B	11I0233	2.6	10	ND	1	09/02/11	09/02/11	
n-Heptane	EPA 8260B	11I0233	0.50	5.0	ND	1	09/02/11	09/02/11	
Nonanal	EPA 8260B	11I0233	1.5	5.0	ND	1	09/02/11	09/02/11	
Isopropylbenzene	EPA 8260B	11I0233	0.25	2.0	ND	1	09/02/11	09/02/11	
p-Isopropyltoluene	EPA 8260B	11I0233	0.28	2.0	ND	1	09/02/11	09/02/11	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11I0233	3.5	10	ND	1	09/02/11	09/02/11	
Methylene chloride	EPA 8260B	11I0233	0.95	5.0	ND	1	09/02/11	09/02/11	
Naphthalene	EPA 8260B	11I0233	0.41	5.0	ND	1	09/02/11	09/02/11	
n-Propylbenzene	EPA 8260B	11I0233	0.27	2.0	ND	1	09/02/11	09/02/11	
Styrene	EPA 8260B	11I0233	0.20	2.0	ND	1	09/02/11	09/02/11	
1,1,1,2-Tetrachloroethane	EPA 8260B	11I0233	0.27	5.0	ND	1	09/02/11	09/02/11	
1,1,2,2-Tetrachloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Tetrachloroethene	EPA 8260B	11I0233	0.32	2.0	ND	1	09/02/11	09/02/11	
Toluene	EPA 8260B	11I0233	0.36	2.0	**0.39**	1	09/02/11	09/02/11	Jb
1,2,3-Trichlorobenzene	EPA 8260B	11I0233	0.30	5.0	ND	1	09/02/11	09/02/11	
1,2,4-Trichlorobenzene	EPA 8260B	11I0233	0.48	5.0	ND	1	09/02/11	09/02/11	
1,1,1-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
1,1,2-Trichloroethane	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Trichloroethene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Trichlorofluoromethane	EPA 8260B	11I0233	0.34	5.0	ND	1	09/02/11	09/02/11	
1,2,3-Trichloropropane	EPA 8260B	11I0233	0.40	10	ND	1	09/02/11	09/02/11	
1,2,4-Trimethylbenzene	EPA 8260B	11I0233	0.23	2.0	ND	1	09/02/11	09/02/11	
1,3,5-Trimethylbenzene	EPA 8260B	11I0233	0.26	2.0	ND	1	09/02/11	09/02/11	
Vinyl chloride	EPA 8260B	11I0233	0.40	2.0	ND	1	09/02/11	09/02/11	
m,p-Xylenes	EPA 8260B	11I0233	0.60	2.0	ND	1	09/02/11	09/02/11	
o-Xylene	EPA 8260B	11I0233	0.30	2.0	ND	1	09/02/11	09/02/11	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11I0233	0.32	5.0	ND	1	09/02/11	09/02/11	
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*97 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-01 (TB083111A - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	11I0233	N/A	120	ND	1	09/02/11	09/02/11	
Sample ID: IUI0011-02 (EB083111A - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	11I0233	N/A	120	ND	1	09/02/11	09/02/11	
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	11I0233	N/A	620	ND	5	09/02/11	09/02/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	11I0233	N/A	120	ND	1	09/02/11	09/02/11	
Sample ID: IUI0011-05 (FB083111A - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8260B	11I0233	N/A	120	ND	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	11I0455	0.0028	0.0095	ND	0.949	09/06/11	09/06/11	
1,2-Dibromo-3-chloropropane	EPA 504.1	11I0455	0.0028	0.047	ND	0.949	09/06/11	09/06/11	
Surrogate: 4-Bromofluorobenzene (50-150%)					*76 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
1,2-Dibromoethane (EDB)	EPA 504.1	11I0455	0.0029	0.0096	ND	0.957	09/06/11	09/06/11	
1,2-Dibromo-3-chloropropane	EPA 504.1	11I0455	0.0029	0.048	ND	0.957	09/06/11	09/06/11	
Surrogate: 4-Bromofluorobenzene (50-150%)					*66 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Acenaphthylene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Aniline	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(a)anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(a)pyrene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(b)fluoranthene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(g,h,i)perylene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(k)fluoranthene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzoic acid	EPA 8270C	11I0491	9.5	19	ND	0.948	09/06/11	09/09/11	
Benzyl alcohol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
4-Bromophenyl phenyl ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Butyl benzyl phthalate	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
4-Chloro-3-methylphenol	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
4-Chloroaniline	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroethoxy)methane	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroethyl)ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroisopropyl)ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-ethylhexyl)phthalate	EPA 8270C	11I0491	3.8	47	ND	0.948	09/06/11	09/09/11	
2-Chloronaphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Chlorophenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl phenyl ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Chrysene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Dibenz(a,h)anthracene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
Dibenzofuran	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Di-n-butyl phthalate	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
1,2-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	**17**	0.948	09/06/11	09/09/11	
1,3-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
1,4-Dichlorobenzene	EPA 8270C	11I0491	2.4	9.5	**21**	0.948	09/06/11	09/09/11	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	11I0491	4.3	9.5	ND	0.948	09/06/11	09/09/11	
3,3'-Dichlorobenzidine	EPA 8270C	11I0491	7.1	19	ND	0.948	09/06/11	09/09/11	
2,4-Dichlorophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Diethyl phthalate	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
2,4-Dimethylphenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Dimethyl phthalate	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
4,6-Dinitro-2-methylphenol	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
2,4-Dinitrophenol	EPA 8270C	11I0491	7.6	19	ND	0.948	09/06/11	09/09/11	
2,4-Dinitrotoluene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
2,6-Dinitrotoluene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Di-n-octyl phthalate	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Fluorene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorobutadiene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorocyclopentadiene	EPA 8270C	11I0491	4.7	19	ND	0.948	09/06/11	09/09/11	
Hexachloroethane	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Indeno(1,2,3-cd)pyrene	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Isophorone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Methylnaphthalene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
2-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Naphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Nitroaniline	EPA 8270C	11I0491	1.9	19	ND	0.948	09/06/11	09/09/11	
3-Nitroaniline	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
4-Nitroaniline	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
Nitrobenzene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
2-Nitrophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
4-Nitrophenol	EPA 8270C	11I0491	5.2	19	ND	0.948	09/06/11	09/09/11	
N-Nitroso-di-n-propylamine	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
N-Nitrosodimethylamine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
N-Nitrosodiphenylamine	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Pentachlorophenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Phenanthrene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Phenol	EPA 8270C	11I0491	1.9	9.5	**7.8**	0.948	09/06/11	09/09/11	Jb
Pyrene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Pyridine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
1,2,4-Trichlorobenzene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
2,4,5-Trichlorophenol	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
2,4,6-Trichlorophenol	EPA 8270C	11I0491	4.3	19	ND	0.948	09/06/11	09/09/11	
n-Hydroxymethylphthalimide	EPA 8270C	11I0491	24	190	ND	0.948	09/06/11	09/09/11	
Octachlorostyrene	EPA 8270C	11I0491	6.2	19	ND	0.948	09/06/11	09/09/11	
Pentachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Phenyl disulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Phenyl sulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Thiophenol	EPA 8270C	11I0491	28	190	ND	0.948	09/06/11	09/09/11	
4,4'-Dichlorobenzophenone	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorobenzenethiol	EPA 8270C	11I0491	38	190	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl methyl sulfide	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl methyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl sulfone	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Benzophenone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water) - cont.									
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Diphenyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*99 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*85 %*				
Surrogate: 2-Fluorophenol (30-120%)					*74 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*87 %*				
Surrogate: Phenol-d6 (35-120%)					*78 %*				
Surrogate: Terphenyl-d14 (50-125%)					*36 %*				*Z*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Acenaphthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Acenaphthylene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Aniline	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(a)anthracene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(a)pyrene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(b)fluoranthene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(g,h,i)perylene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Benzo(k)fluoranthene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Benzoic acid	EPA 8270C	11I0491	9.5	19	ND	0.948	09/06/11	09/09/11	C
Benzyl alcohol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
4-Bromophenyl phenyl ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Butyl benzyl phthalate	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
4-Chloro-3-methylphenol	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
4-Chloroaniline	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroethoxy)methane	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroethyl)ether	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-chloroisopropyl)ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Bis(2-ethylhexyl)phthalate	EPA 8270C	11I0491	3.8	47	ND	0.948	09/06/11	09/09/11	
2-Chloronaphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Chlorophenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl phenyl ether	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Chrysene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Dibenz(a,h)anthracene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
Dibenzofuran	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Di-n-butyl phthalate	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
1,2-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
1,3-Dichlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
1,4-Dichlorobenzene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
2,2'-/4,4'-Dichlorobenzil	EPA 8270C	11I0491	4.3	9.5	ND	0.948	09/06/11	09/09/11	
3,3'-Dichlorobenzidine	EPA 8270C	11I0491	7.1	19	ND	0.948	09/06/11	09/09/11	
2,4-Dichlorophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Diethyl phthalate	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
2,4-Dimethylphenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Dimethyl phthalate	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
4,6-Dinitro-2-methylphenol	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
2,4-Dinitrophenol	EPA 8270C	11I0491	7.6	19	ND	0.948	09/06/11	09/09/11	
2,4-Dinitrotoluene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
2,6-Dinitrotoluene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Di-n-octyl phthalate	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
1,2-Diphenylhydrazine/Azobenzene	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Fluorene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorobutadiene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Hexachlorocyclopentadiene	EPA 8270C	11I0491	4.7	19	ND	0.948	09/06/11	09/09/11	
Hexachloroethane	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Indeno(1,2,3-cd)pyrene	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Isophorone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Methylnaphthalene	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
2-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Methylphenol	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Naphthalene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
2-Nitroaniline	EPA 8270C	11I0491	1.9	19	ND	0.948	09/06/11	09/09/11	
3-Nitroaniline	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
4-Nitroaniline	EPA 8270C	11I0491	3.8	19	ND	0.948	09/06/11	09/09/11	
Nitrobenzene	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
2-Nitrophenol	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
4-Nitrophenol	EPA 8270C	11I0491	5.2	19	ND	0.948	09/06/11	09/09/11	
N-Nitroso-di-n-propylamine	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
N-Nitrosodimethylamine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
N-Nitrosodiphenylamine	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Pentachlorophenol	EPA 8270C	11I0491	3.3	19	ND	0.948	09/06/11	09/09/11	
Phenanthrene	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Phenol	EPA 8270C	11I0491	1.9	9.5	ND	0.948	09/06/11	09/09/11	
Pyrene	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Pyridine	EPA 8270C	11I0491	2.4	19	ND	0.948	09/06/11	09/09/11	
1,2,4-Trichlorobenzene	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
2,4,5-Trichlorophenol	EPA 8270C	11I0491	2.8	19	ND	0.948	09/06/11	09/09/11	
2,4,6-Trichlorophenol	EPA 8270C	11I0491	4.3	19	ND	0.948	09/06/11	09/09/11	
n-Hydroxymethylphthalimide	EPA 8270C	11I0491	24	190	ND	0.948	09/06/11	09/09/11	
Octachlorostyrene	EPA 8270C	11I0491	6.2	19	ND	0.948	09/06/11	09/09/11	
Pentachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Phenyl disulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Phenyl sulfide	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
Thiophenol	EPA 8270C	11I0491	28	190	ND	0.948	09/06/11	09/09/11	
4,4'-Dichlorobenzophenone	EPA 8270C	11I0491	2.4	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorobenzenethiol	EPA 8270C	11I0491	38	190	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl methyl sulfide	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl methyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
4-Chlorophenyl sulfone	EPA 8270C	11I0491	3.3	9.5	ND	0.948	09/06/11	09/09/11	
Benzophenone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water) - cont.									
Reporting Units: ug/l									
bis(4-chlorophenyl)disulfide	EPA 8270C	11I0491	3.8	9.5	ND	0.948	09/06/11	09/09/11	
Diphenyl sulfone	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	11I0491	2.8	9.5	ND	0.948	09/06/11	09/09/11	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*116 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*96 %*				
Surrogate: 2-Fluorophenol (30-120%)					*81 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*91 %*				
Surrogate: Phenol-d6 (35-120%)					*89 %*				
Surrogate: Terphenyl-d14 (50-125%)					*68 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	11I0492	0.29	0.95	**0.39**	0.952	09/06/11	09/07/11	Jb
Surrogate: 1,4-Dioxane-d8 (30-120%)					*64 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8270C MOD	11I0492	0.28	0.94	ND	0.943	09/06/11	09/07/11	
Surrogate: 1,4-Dioxane-d8 (30-120%)					*68 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	11I0680	40	350	ND	1	09/07/11	09/08/11	
Trichloroacetaldehyde	EPA 8270C MOD	11I0680	27	150	ND	1	09/07/11	09/08/11	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*51 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Dichloroacetaldehyde	EPA 8270C MOD	11I0680	40	350	ND	1	09/07/11	09/08/11	
Trichloroacetaldehyde	EPA 8270C MOD	11I0680	27	150	ND	1	09/07/11	09/08/11	
Surrogate: 1,4-Dioxane-d8 (20-120%)					*64 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
10-Methyleicosane	EPA 8270C	11I0491	N/A	47	**220**	0.948	09/06/11	09/09/11	
8-Hexylpentadecane	EPA 8270C	11I0491	N/A	47	**220**	0.948	09/06/11	09/09/11	
9-Octylheptadecane	EPA 8270C	11I0491	N/A	47	**130**	0.948	09/06/11	09/09/11	
Chlorobenzene	EPA 8270C	11I0491	N/A	47	**310**	0.948	09/06/11	09/09/11	
Docosane	EPA 8270C	11I0491	N/A	47	**70**	0.948	09/06/11	09/09/11	
Heneicosane	EPA 8270C	11I0491	N/A	47	**170**	0.948	09/06/11	09/09/11	
N-Butylbenzenesulfonamide	EPA 8270C	11I0491	N/A	47	**1500**	0.948	09/06/11	09/09/11	
Octacosane	EPA 8270C	11I0491	N/A	47	**210**	0.948	09/06/11	09/09/11	
Octadecane	EPA 8270C	11I0491	N/A	47	**64**	0.948	09/06/11	09/09/11	
Pentacosane	EPA 8270C	11I0491	N/A	47	**190**	0.948	09/06/11	09/09/11	
Tetracosane	EPA 8270C	11I0491	N/A	47	**160**	0.948	09/06/11	09/09/11	
Tetracosane isomer1	EPA 8270C	11I0491	N/A	47	**97**	0.948	09/06/11	09/09/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Tentatively Identified Compounds	EPA 8270C	11I0491	N/A	47	ND	0.948	09/06/11	09/09/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

CARBONYL COMPOUNDS BY HPLC (EPA 8315A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
Formaldehyde	EPA 8315A	11I0276	0.0026	0.010	ND	1	09/02/11	09/07/11	
Acetaldehyde	EPA 8315A	11I0276	0.0038	0.010	ND	1	09/02/11	09/07/11	C
Chloroacetaldehyde	EPA 8315A	11I0276	0.0034	0.010	ND	1	09/02/11	09/07/11	R-3
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
Formaldehyde	EPA 8315A	11I0276	0.0026	0.010	ND	1	09/02/11	09/07/11	
Acetaldehyde	EPA 8315A	11I0276	0.0038	0.010	ND	1	09/02/11	09/07/11	C
Chloroacetaldehyde	EPA 8315A	11I0276	0.0034	0.010	ND	1	09/02/11	09/07/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDE	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDT	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
4,4'-DDD	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDE	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDT	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Aldrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
alpha-BHC	EPA 3510C/8081A	11I0569	0.019	0.094	**0.60**	0.943	09/07/11	09/07/11	
beta-BHC	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
delta-BHC	EPA 3510C/8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Dieldrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan I	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan II	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan sulfate	EPA 3510C/8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Endrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin aldehyde	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin ketone	EPA 3510C/8081A	11I0569	0.038	0.094	ND	0.943	09/07/11	09/07/11	
gamma-BHC (Lindane)	EPA 3510C/8081A	11I0569	0.019	0.094	**0.044**	0.943	09/07/11	09/07/11	Jb
Heptachlor	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Heptachlor epoxide	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Methoxychlor	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Chlordane	EPA 3510C/8081A	11I0569	0.19	0.94	ND	0.943	09/07/11	09/07/11	
Toxaphene	EPA 3510C/8081A	11I0569	0.47	4.7	ND	0.943	09/07/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*11 %*				*Z6*
Surrogate: Tetrachloro-m-xylene (35-120%)					*87 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
2,4'-DDD	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDE	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
2,4'-DDT	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
4,4'-DDD	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDE	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	C-1
4,4'-DDT	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Aldrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
alpha-BHC	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
beta-BHC	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
delta-BHC	EPA 3510C/8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Dieldrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan I	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan II	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endosulfan sulfate	EPA 3510C/8081A	11I0569	0.019	0.19	ND	0.943	09/07/11	09/07/11	
Endrin	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin aldehyde	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Endrin ketone	EPA 3510C/8081A	11I0569	0.038	0.094	ND	0.943	09/07/11	09/07/11	
gamma-BHC (Lindane)	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Heptachlor	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Heptachlor epoxide	EPA 3510C/8081A	11I0569	0.028	0.094	ND	0.943	09/07/11	09/07/11	
Methoxychlor	EPA 3510C/8081A	11I0569	0.019	0.094	ND	0.943	09/07/11	09/07/11	
Chlordane	EPA 3510C/8081A	11I0569	0.19	0.94	ND	0.943	09/07/11	09/07/11	
Toxaphene	EPA 3510C/8081A	11I0569	0.47	4.7	ND	0.943	09/07/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*81 %*				
Surrogate: Tetrachloro-m-xylene (35-120%)					*83 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1221	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1232	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1242	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1248	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1254	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1260	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*78 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1221	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1232	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1242	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1248	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1254	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Aroclor 1260	EPA 8082	11I0569	0.24	0.94	ND	0.943	09/07/11	09/07/11	
Surrogate: Decachlorobiphenyl (45-120%)					*77 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	11I0131	0.00010	0.00020	ND	1	09/01/11	09/01/11	
Boron	EPA 6010B	11I0507	0.020	0.050	**0.76**	1	09/06/11	09/07/11	
Calcium	EPA 6010B	11I0507	0.050	0.10	**260**	1	09/06/11	09/06/11	MHA
Iron	EPA 6010B	11I0507	0.015	0.040	**1.5**	1	09/06/11	09/06/11	M1
Lithium	EPA 6010B	11I0507	0.030	0.050	**0.13**	1	09/06/11	09/06/11	
Magnesium	EPA 6010B	11I0507	0.012	0.020	**130**	1	09/06/11	09/06/11	MHA
Phosphorus	EPA 6010B	11I0507	0.020	0.040	**0.19**	1	09/06/11	09/06/11	
Potassium	EPA 6010B	11I0507	0.37	0.50	**22**	1	09/06/11	09/06/11	
Sodium	EPA 6010B	11I0507	0.19	0.50	**890**	1	09/06/11	09/06/11	
Strontium	EPA 6010B	11I0507	0.0050	0.020	**7.1**	1	09/06/11	09/06/11	MHA
Tin	EPA 6010B	11I0507	0.012	0.10	ND	1	09/06/11	09/06/11	
Titanium	EPA 6010B	11I0507	0.0020	0.0050	**0.019**	1	09/06/11	09/06/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
Mercury	EPA 7470A	11I0131	0.00010	0.00020	ND	1	09/01/11	09/01/11	
Boron	EPA 6010B	11I0507	0.020	0.050	**0.56**	1	09/06/11	09/07/11	
Calcium	EPA 6010B	11I0507	0.050	0.10	**45**	1	09/06/11	09/06/11	
Iron	EPA 6010B	11I0507	0.015	0.040	**0.27**	1	09/06/11	09/06/11	
Lithium	EPA 6010B	11I0507	0.030	0.050	**0.048**	1	09/06/11	09/06/11	Jb
Magnesium	EPA 6010B	11I0507	0.012	0.020	**6.2**	1	09/06/11	09/06/11	
Phosphorus	EPA 6010B	11I0507	0.020	0.040	ND	1	09/06/11	09/06/11	
Potassium	EPA 6010B	11I0507	0.37	0.50	**10**	1	09/06/11	09/06/11	
Sodium	EPA 6010B	11I0507	0.19	0.50	**170**	1	09/06/11	09/06/11	
Strontium	EPA 6010B	11I0507	0.0050	0.020	**1.1**	1	09/06/11	09/06/11	
Tin	EPA 6010B	11I0507	0.012	0.10	ND	1	09/06/11	09/06/11	
Titanium	EPA 6010B	11I0507	0.0020	0.0050	**0.0030**	1	09/06/11	09/06/11	Jb

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Aluminum	EPA 6020	11I0339	8.5	10	**180**	1	09/02/11	09/06/11	
Uranium	EPA 6020	11I0339	0.20	1.0	**9.4**	1	09/02/11	09/06/11	
Antimony	EPA 6020	11I0339	0.30	2.0	ND	1	09/02/11	09/06/11	
Arsenic	EPA 6020	11I0339	0.90	1.0	**11**	1	09/02/11	09/06/11	
Barium	EPA 6020	11I0339	0.30	1.0	**97**	1	09/02/11	09/06/11	
Beryllium	EPA 6020	11I0339	0.10	0.50	ND	1	09/02/11	09/06/11	
Cadmium	EPA 6020	11I0339	0.10	1.0	ND	1	09/02/11	09/06/11	
Chromium	EPA 6020	11I0339	0.90	2.0	**26**	1	09/02/11	09/06/11	
Cobalt	EPA 6020	11I0339	0.10	1.0	**0.59**	1	09/02/11	09/06/11	Jb
Copper	EPA 6020	11I0339	0.50	2.0	**3.4**	1	09/02/11	09/06/11	
Lead	EPA 6020	11I0339	0.20	1.0	**0.51**	1	09/02/11	09/06/11	Jb
Molybdenum	EPA 6020	11I0339	0.20	2.0	**16**	1	09/02/11	09/06/11	B-1
Nickel	EPA 6020	11I0339	0.50	2.0	**9.7**	1	09/02/11	09/06/11	
Selenium	EPA 6020	11I0339	0.50	2.0	ND	1	09/02/11	09/06/11	
Silver	EPA 6020	11I0339	0.10	1.0	ND	1	09/02/11	09/06/11	
Thallium	EPA 6020	11I0339	0.20	1.0	ND	1	09/02/11	09/06/11	
Vanadium	EPA 6020	11I0339	0.80	2.0	**13**	1	09/02/11	09/06/11	
Zinc	EPA 6020	11I0339	4.0	20	**92**	1	09/02/11	09/06/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Aluminum	EPA 6020	11I0339	8.5	10	**77**	1	09/02/11	09/06/11	
Uranium	EPA 6020	11I0339	0.20	1.0	**0.56**	1	09/02/11	09/06/11	Jb
Antimony	EPA 6020	11I0339	0.30	2.0	**0.49**	1	09/02/11	09/06/11	Jb
Arsenic	EPA 6020	11I0339	0.90	1.0	**10**	1	09/02/11	09/06/11	
Barium	EPA 6020	11I0339	0.30	1.0	**36**	1	09/02/11	09/06/11	
Beryllium	EPA 6020	11I0339	0.10	0.50	ND	1	09/02/11	09/06/11	
Cadmium	EPA 6020	11I0339	0.10	1.0	ND	1	09/02/11	09/06/11	
Chromium	EPA 6020	11I0339	0.90	2.0	**28**	1	09/02/11	09/06/11	
Cobalt	EPA 6020	11I0339	0.10	1.0	**0.11**	1	09/02/11	09/06/11	Jb
Copper	EPA 6020	11I0339	0.50	2.0	**1.1**	1	09/02/11	09/06/11	Jb
Lead	EPA 6020	11I0339	0.20	1.0	**0.21**	1	09/02/11	09/06/11	Jb
Molybdenum	EPA 6020	11I0339	0.20	2.0	**14**	1	09/02/11	09/06/11	B-1
Nickel	EPA 6020	11I0339	0.50	2.0	ND	1	09/02/11	09/06/11	
Selenium	EPA 6020	11I0339	0.50	2.0	**2.3**	1	09/02/11	09/06/11	
Silver	EPA 6020	11I0339	0.10	1.0	ND	1	09/02/11	09/06/11	
Thallium	EPA 6020	11I0339	0.20	1.0	ND	1	09/02/11	09/06/11	
Vanadium	EPA 6020	11I0339	0.80	2.0	**50**	1	09/02/11	09/06/11	
Zinc	EPA 6020	11I0339	4.0	20	**37**	1	09/02/11	09/06/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

DISSOLVED INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	11I0104	0.00025	0.0020	**0.0057**	1	09/01/11	09/01/11	H3
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
Chromium VI	EPA 7199	11I0104	0.00025	0.0020	**0.030**	1	09/01/11	09/01/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	**110**	1	09/02/11	09/02/11	
Bicarbonate Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	**110**	1	09/02/11	09/02/11	
Carbonate Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	ND	1	09/02/11	09/02/11	
Hydroxide Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	ND	1	09/02/11	09/02/11	
Ammonia-N	SM4500NH3-D	11I0195	0.10	0.50	ND	1	09/01/11	09/01/11	
Bromide	EPA 9056	11I0071	1.8	2.5	**2.5**	5	09/01/11	09/01/11	
Chloride	EPA 9056	11I0070	30	50	**1700**	100	09/01/11	09/01/11	
Total Cyanide	EPA 9014	11I0738	0.017	0.025	ND	1	09/07/11	09/08/11	
Fluoride	EPA 9056	11I0071	0.75	2.5	**1.8**	5	09/01/11	09/01/11	Jb
Nitrate-N	EPA 9056	11I0071	0.30	0.55	**0.49**	5	09/01/11	09/01/11	Jb
Nitrite-N	EPA 9056	11I0071	1.8	3.0	ND	20	09/01/11	09/01/11	RL1
Orthophosphate - P	EPA 9056	11I0071	0.65	0.80	ND	5	09/01/11	09/01/11	
Phosphorus	EPA 365.3	11I0636	0.020	0.050	**0.13**	1	09/07/11	09/07/11	
Sulfate	EPA 9056	11I0071	6.0	10	**640**	20	09/01/11	09/01/11	
Total Dissolved Solids	SM2540C	11I0198	2.0	20	**3500**	1	09/02/11	09/02/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/l									
Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	**56**	1	09/02/11	09/02/11	
Bicarbonate Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	ND	1	09/02/11	09/02/11	
Carbonate Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	**16**	1	09/02/11	09/02/11	
Hydroxide Alkalinity as CaCO3	SM2320B	11I0258	2.0	2.0	**40**	1	09/02/11	09/02/11	
Ammonia-N	SM4500NH3-D	11I0195	0.10	0.50	ND	1	09/01/11	09/01/11	
Bromide	EPA 9056	11I0071	0.35	0.50	**0.57**	1	09/01/11	09/01/11	
Chloride	EPA 9056	11I0070	3.0	5.0	**160**	10	09/01/11	09/01/11	
Total Cyanide	EPA 9014	11I0738	0.017	0.025	ND	1	09/07/11	09/08/11	
Fluoride	EPA 9056	11I0071	0.15	0.50	**0.92**	1	09/01/11	09/01/11	
Nitrate-N	EPA 9056	11I0071	0.060	0.11	**1.6**	1	09/01/11	09/01/11	
Nitrite-N	EPA 9056	11I0071	0.18	0.30	**0.55**	2	09/01/11	09/01/11	
Orthophosphate - P	EPA 9056	11I0071	0.13	0.16	ND	1	09/01/11	09/01/11	
Phosphorus	EPA 365.3	11I0636	0.020	0.050	ND	1	09/07/11	09/07/11	
Sulfate	EPA 9056	11I0071	6.0	10	**240**	20	09/01/11	09/01/11	
Total Dissolved Solids	SM2540C	11I0198	1.0	10	**700**	1	09/02/11	09/02/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	11I0256	0.10	0.10	**7.9**	1	09/02/11	09/02/11	HFT
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: pH Units									
pH	EPA 9040B	11I0256	0.10	0.10	**9.8**	1	09/02/11	09/02/11	HFT

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

General Chemistry Parameters - Dissolved

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/L									
Total Inorganic Carbon	SM 5310C	11I1453	0.500	1.00	**21.4**	1	09/08/11	09/14/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/L									
Total Inorganic Carbon	SM 5310C	11I1453	0.500	1.00	**3.54**	1	09/08/11	09/14/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

Anions by EPA Method 300.0/300.1/326

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056aM	W1I0504	21	500	**3000**	50	09/14/11	09/15/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/l									
Iodide	EPA 9056aM	W1I0504	0.42	10	**8.7**	1	09/14/11	09/15/11	J

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	1257084	0.0035	0.19	ND	0.96	09/14/11	09/18/11	
PCB 105 (BZ)	EPA-14 1668	1257084	0.0011	0.019	**0.003**	0.96	09/14/11	09/18/11	Ja
PCB 11 (BZ)	EPA-14 1668	1257084	0.0049	0.19	**0.49**	0.96	09/14/11	09/18/11	B
PCB 114 (BZ)	EPA-14 1668	1257084	0.0013	0.019	ND	0.96	09/14/11	09/18/11	
PCB 118 (BZ)	EPA-14 1668	1257084	0.0012	0.019	**0.0045**	0.96	09/14/11	09/18/11	Ja, B
PCB 12 (BZ)	EPA-14 1668	1257084	0.0049	0.19	**0.042**	0.96	09/14/11	09/18/11	Ca, Ja
PCB 123 (BZ)	EPA-14 1668	1257084	0.0013	0.019	ND	0.96	09/14/11	09/18/11	
PCB 126 (BZ)	EPA-14 1668	1257084	0.0012	0.019	ND	0.96	09/14/11	09/18/11	
PCB 13 (BZ)	EPA-14 1668	1257084	0.0049	0.19	**0.042**	0.96	09/14/11	09/18/11	Ca, Ja
PCB 14 (BZ)	EPA-14 1668	1257084	0.0041	0.19	ND	0.96	09/14/11	09/18/11	
PCB 15 (BZ)	EPA-14 1668	1257084	0.0045	0.19	**0.0052**	0.96	09/14/11	09/18/11	Ja, Q
PCB 156 (BZ)	EPA-14 1668	1257084	0.00097	0.039	ND	0.96	09/14/11	09/18/11	
PCB 157 (BZ)	EPA-14 1668	1257084	0.00097	0.039	ND	0.96	09/14/11	09/18/11	
PCB 167 (BZ)	EPA-14 1668	1257084	0.00076	0.019	ND	0.96	09/14/11	09/18/11	
PCB 169 (BZ)	EPA-14 1668	1257084	0.00086	0.019	ND	0.96	09/14/11	09/18/11	
PCB 189 (BZ)	EPA-14 1668	1257084	0.00056	0.019	ND	0.96	09/14/11	09/18/11	
PCB 4 (BZ)	EPA-14 1668	1257084	0.0047	0.19	**0.039**	0.96	09/14/11	09/18/11	Ja
PCB 5 (BZ)	EPA-14 1668	1257084	0.0046	0.19	**0.036**	0.96	09/14/11	09/18/11	Ja
PCB 6 (BZ)	EPA-14 1668	1257084	0.0047	0.19	**0.11**	0.96	09/14/11	09/18/11	Ja
PCB 7 (BZ)	EPA-14 1668	1257084	0.0045	0.19	ND	0.96	09/14/11	09/18/11	
PCB 77 (BZ)	EPA-14 1668	1257084	0.001	0.019	ND	0.96	09/14/11	09/18/11	
PCB 8 (BZ)	EPA-14 1668	1257084	0.0047	0.19	**0.024**	0.96	09/14/11	09/18/11	Ja, Q
PCB 81 (BZ)	EPA-14 1668	1257084	0.0011	0.019	ND	0.96	09/14/11	09/18/11	
PCB 9 (BZ)	EPA-14 1668	1257084	0.005	0.19	**0.1**	0.96	09/14/11	09/18/11	Ja
Surrogate: 13C12-PCB 105 (25-150%)					*78 %*				
Surrogate: 13C12-PCB 111 (30-135%)					*78 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*70 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*71 %*				
Surrogate: 13C12-PCB 123 (25-150%)					*70 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*83 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*53 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*87 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*92 %*				
Surrogate: 13C12-PCB 178 (30-135%)					*81 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*97 %*				
Surrogate: 13C12-PCB 28 (30-135%)					*75 %*				
Surrogate: 13C12-PCB 4 (25-150%)					*40 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*73 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*68 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

EPA-14 1668x

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ng/L									
PCB 10 (BZ)	EPA-14 1668	1257084	0.002	0.19	ND	0.96	09/14/11	09/18/11	
PCB 105 (BZ)	EPA-14 1668	1257084	0.00084	0.019	**0.0023**	0.96	09/14/11	09/18/11	Ja
PCB 11 (BZ)	EPA-14 1668	1257084	0.0031	0.19	**0.21**	0.96	09/14/11	09/18/11	B
PCB 114 (BZ)	EPA-14 1668	1257084	0.00093	0.019	ND	0.96	09/14/11	09/18/11	
PCB 118 (BZ)	EPA-14 1668	1257084	0.00087	0.019	**0.0062**	0.96	09/14/11	09/18/11	Ja, B
PCB 12 (BZ)	EPA-14 1668	1257084	0.0031	0.19	ND	0.96	09/14/11	09/18/11	
PCB 123 (BZ)	EPA-14 1668	1257084	0.00092	0.019	ND	0.96	09/14/11	09/18/11	
PCB 126 (BZ)	EPA-14 1668	1257084	0.00094	0.019	ND	0.96	09/14/11	09/18/11	
PCB 13 (BZ)	EPA-14 1668	1257084	0.0031	0.19	ND	0.96	09/14/11	09/18/11	
PCB 14 (BZ)	EPA-14 1668	1257084	0.0026	0.19	ND	0.96	09/14/11	09/18/11	
PCB 15 (BZ)	EPA-14 1668	1257084	0.003	0.19	**0.007**	0.96	09/14/11	09/18/11	Ja
PCB 156 (BZ)	EPA-14 1668	1257084	0.00069	0.039	**0.0012**	0.96	09/14/11	09/18/11	Ca, Ja
PCB 157 (BZ)	EPA-14 1668	1257084	0.00069	0.039	**0.0012**	0.96	09/14/11	09/18/11	Ca, Ja
PCB 167 (BZ)	EPA-14 1668	1257084	0.00053	0.019	ND	0.96	09/14/11	09/18/11	
PCB 169 (BZ)	EPA-14 1668	1257084	0.00059	0.019	ND	0.96	09/14/11	09/18/11	
PCB 189 (BZ)	EPA-14 1668	1257084	0.00044	0.019	ND	0.96	09/14/11	09/18/11	
PCB 4 (BZ)	EPA-14 1668	1257084	0.0025	0.19	**0.078**	0.96	09/14/11	09/18/11	Ja
PCB 5 (BZ)	EPA-14 1668	1257084	0.003	0.19	ND	0.96	09/14/11	09/18/11	
PCB 6 (BZ)	EPA-14 1668	1257084	0.003	0.19	**0.014**	0.96	09/14/11	09/18/11	Ja
PCB 7 (BZ)	EPA-14 1668	1257084	0.0029	0.19	ND	0.96	09/14/11	09/18/11	
PCB 77 (BZ)	EPA-14 1668	1257084	0.00073	0.019	ND	0.96	09/14/11	09/18/11	
PCB 8 (BZ)	EPA-14 1668	1257084	0.003	0.19	**0.021**	0.96	09/14/11	09/18/11	Ja
PCB 81 (BZ)	EPA-14 1668	1257084	0.00075	0.019	ND	0.96	09/14/11	09/18/11	
PCB 9 (BZ)	EPA-14 1668	1257084	0.0032	0.19	ND	0.96	09/14/11	09/18/11	
Surrogate: 13C12-PCB 105 (25-150%)					*82 %*				
Surrogate: 13C12-PCB 111 (30-135%)					*83 %*				
Surrogate: 13C12-PCB 114 (25-150%)					*77 %*				
Surrogate: 13C12-PCB 118 (25-150%)					*77 %*				
Surrogate: 13C12-PCB 123 (25-150%)					*77 %*				
Surrogate: 13C12-PCB 126 (25-150%)					*83 %*				
Surrogate: 13C12-PCB 15 (25-150%)					*68 %*				
Surrogate: 13C12-PCB 156 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 157 (25-150%)					*90 %*				
Surrogate: 13C12-PCB 167 (25-150%)					*87 %*				
Surrogate: 13C12-PCB 169 (25-150%)					*91 %*				
Surrogate: 13C12-PCB 178 (30-135%)					*81 %*				
Surrogate: 13C12-PCB 189 (25-150%)					*98 %*				
Surrogate: 13C12-PCB 28 (30-135%)					*92 %*				
Surrogate: 13C12-PCB 4 (25-150%)					*57 %*				
Surrogate: 13C12-PCB 77 (25-150%)					*79 %*				
Surrogate: 13C12-PCB 81 (25-150%)					*76 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SW846 6850-DISSx

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	1252126	0.082	0.5	**1.9**	1	09/09/11	09/14/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/L									
Perchlorate	SW846 6850-DISS	1252126	4.1	25	**430**	50	09/09/11	09/14/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SW846 6010Bx

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/L									
Sulfur	SW846 6010B	1249128	1340	25000	**285000**	5	09/06/11	09/07/11	
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/L									
Sulfur	SW846 6010B	1249128	1340	25000	**98000**	5	09/06/11	09/07/11	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	84882	0.16	2.4	ND	1	09/07/11	09/13/11	
Bolstar	8141A STD	84882	0.30	0.95	ND	1	09/07/11	09/13/11	
Chlorpyrifos	8141A STD	84882	0.34	1.4	ND	1	09/07/11	09/13/11	
Coumaphos	8141A STD	84882	0.13	0.95	ND	1	09/07/11	09/13/11	
Demeton, Total	8141A STD	84882	0.20	2.8	ND	1	09/07/11	09/13/11	
Diazinon	8141A STD	84882	0.14	0.47	ND	1	09/07/11	09/13/11	
Dichlorvos	8141A STD	84882	0.15	0.47	ND	1	09/07/11	09/13/11	
Dimethoate	8141A STD	84882	0.43	1.4	ND	1	09/07/11	09/13/11	
Disulfoton	8141A STD	84882	0.30	0.95	ND	1	09/07/11	09/13/11	
EPN	8141A STD	84882	0.14	1.1	ND	1	09/07/11	09/13/11	
Ethoprop	8141A STD	84882	0.17	1.4	ND	1	09/07/11	09/13/11	
Ethyl Parathion	8141A STD	84882	0.14	0.95	ND	1	09/07/11	09/13/11	
Famphur	8141A STD	84882	0.17	0.95	ND	1	09/07/11	09/13/11	
Fensulfothion	8141A STD	84882	0.52	2.4	ND	1	09/07/11	09/13/11	
Fenthion	8141A STD	84882	0.15	2.4	ND	1	09/07/11	09/13/11	
Malathion	8141A STD	84882	0.13	1.9	ND	1	09/07/11	09/13/11	
Merphos	8141A STD	84882	0.16	4.7	ND	1	09/07/11	09/13/11	
Methyl Carbophenothion	8141A STD	84882	0.076	0.76	ND	1	09/07/11	09/13/11	
Methyl parathion	8141A STD	84882	0.13	3.8	ND	1	09/07/11	09/13/11	
Mevinphos	8141A STD	84882	0.44	5.9	ND	1	09/07/11	09/13/11	
Naled	8141A STD	84882	0.76	1.9	ND	1	09/07/11	09/13/11	
o,o',o"-Triethylphosphorothioate	8141A STD	84882	0.14	0.47	ND	1	09/07/11	09/13/11	
Phorate	8141A STD	84882	0.15	1.1	ND	1	09/07/11	09/13/11	
Ronnel	8141A STD	84882	0.11	9.5	ND	1	09/07/11	09/13/11	
Sulfotepp	8141A STD	84882	0.16	1.4	ND	1	09/07/11	09/13/11	
Tetrachlorvinphos (Stirophos)	8141A STD	84882	0.12	3.3	ND	1	09/07/11	09/13/11	
Thionazin	8141A STD	84882	0.30	0.95	ND	1	09/07/11	09/13/11	
Tokuthion	8141A STD	84882	0.12	1.5	ND	1	09/07/11	09/13/11	
Trichloronate	8141A STD	84882	0.23	1.4	ND	1	09/07/11	09/13/11	
Surrogate: Chlormefos (49-171%)					*68 %*				
Surrogate: Triphenylphosphate (60-154%)					*93 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

Organophosphorous Pesticides (GC)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: ug/L									
Azinphos-methyl	8141A STD	84882	0.16	2.4	ND	1	09/07/11	09/13/11	
Bolstar	8141A STD	84882	0.30	0.95	ND	1	09/07/11	09/13/11	
Chlorpyrifos	8141A STD	84882	0.34	1.4	ND	1	09/07/11	09/13/11	
Coumaphos	8141A STD	84882	0.13	0.95	ND	1	09/07/11	09/13/11	
Demeton, Total	8141A STD	84882	0.20	2.9	ND	1	09/07/11	09/13/11	
Diazinon	8141A STD	84882	0.14	0.48	ND	1	09/07/11	09/13/11	
Dichlorvos	8141A STD	84882	0.15	0.48	ND	1	09/07/11	09/13/11	
Dimethoate	8141A STD	84882	0.43	1.4	ND	1	09/07/11	09/13/11	
Disulfoton	8141A STD	84882	0.31	0.95	ND	1	09/07/11	09/13/11	
EPN	8141A STD	84882	0.14	1.1	ND	1	09/07/11	09/13/11	
Ethoprop	8141A STD	84882	0.17	1.4	ND	1	09/07/11	09/13/11	
Ethyl Parathion	8141A STD	84882	0.14	0.95	ND	1	09/07/11	09/13/11	
Famphur	8141A STD	84882	0.17	0.95	ND	1	09/07/11	09/13/11	
Fensulfothion	8141A STD	84882	0.52	2.4	ND	1	09/07/11	09/13/11	
Fenthion	8141A STD	84882	0.15	2.4	ND	1	09/07/11	09/13/11	
Malathion	8141A STD	84882	0.13	1.9	ND	1	09/07/11	09/13/11	
Merphos	8141A STD	84882	0.17	4.8	ND	1	09/07/11	09/13/11	
Methyl Carbophenothion	8141A STD	84882	0.076	0.76	ND	1	09/07/11	09/13/11	
Methyl parathion	8141A STD	84882	0.13	3.8	ND	1	09/07/11	09/13/11	
Mevinphos	8141A STD	84882	0.44	5.9	ND	1	09/07/11	09/13/11	
Naled	8141A STD	84882	0.76	1.9	ND	1	09/07/11	09/13/11	
o,o',o"-Triethylphosphorothioate	8141A STD	84882	0.14	0.48	ND	1	09/07/11	09/13/11	
Phorate	8141A STD	84882	0.15	1.1	ND	1	09/07/11	09/13/11	
Ronnel	8141A STD	84882	0.11	9.5	ND	1	09/07/11	09/13/11	
Sulfotepp	8141A STD	84882	0.16	1.4	ND	1	09/07/11	09/13/11	
Tetrachlorvinphos (Stirophos)	8141A STD	84882	0.12	3.3	ND	1	09/07/11	09/13/11	
Thionazin	8141A STD	84882	0.30	0.95	ND	1	09/07/11	09/13/11	
Tokuthion	8141A STD	84882	0.12	1.5	ND	1	09/07/11	09/13/11	
Trichloronate	8141A STD	84882	0.23	1.4	ND	1	09/07/11	09/13/11	
Surrogate: Chlormefos (49-171%)					*68 %*				
Surrogate: Triphenylphosphate (60-154%)					*90 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

Alpha Acids

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IUI0011-03 (MC-MW-34 - Water)									
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	27302	0.50	1.0	**7.8**	20	09/13/11	09/13/11	
Benzenesulfonic acid	ACIDS_HPLC_W	27302	0.025	0.050	**0.46**	1	09/13/11	09/13/11	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	27302	0.025	0.050	**0.20**	1	09/13/11	09/13/11	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	27302	0.13	0.25	**0.46**	1	09/13/11	09/13/11	
Phthalic acid	ACIDS_HPLC_W	27302	0.025	0.050	ND	1	09/13/11	09/13/11	
Surrogate: d-Panthenol (50-150%)					*0.961 %*				
Sample ID: IUI0011-04 (MC-MW-35 - Water)									
Reporting Units: mg/L									
4-Chlorobenzenesulfonic acid	ACIDS_HPLC_W	27302	0.025	0.050	ND	1	09/13/11	09/13/11	
Benzenesulfonic acid	ACIDS_HPLC_W	27302	0.025	0.050	ND	1	09/13/11	09/13/11	
Diethyl phosphorodithioic acid	ACIDS_HPLC_W	27302	0.025	0.050	ND	1	09/13/11	09/13/11	
Dimethyl phosphorodithioic acid	ACIDS_HPLC_W	27302	0.13	0.25	ND	1	09/13/11	09/13/11	
Phthalic acid	ACIDS_HPLC_W	27302	0.025	0.050	ND	1	09/13/11	09/13/11	
Surrogate: d-Panthenol (50-150%)					*0.985 %*				

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: MC-MW-34 (IUI0011-03) - Water					
EPA 7199	1	08/31/2011 10:00	09/01/2011 09:55	09/01/2011 11:30	09/01/2011 13:17
EPA 8315A	3	08/31/2011 10:00	09/01/2011 09:55	09/02/2011 09:56	09/07/2011 11:19
EPA 9040B	0	08/31/2011 10:00	09/01/2011 09:55	09/02/2011 11:40	09/02/2011 11:40
EPA 9056	2	08/31/2011 10:00	09/01/2011 09:55	09/01/2011 11:30	09/01/2011 11:46
Nitrite-N				09/01/2011 11:30	09/01/2011 13:23
Orthophosphate - P				09/01/2011 11:30	09/01/2011 11:46
Sample ID: MC-MW-35 (IUI0011-04) - Water					
EPA 7199	1	08/31/2011 13:10	09/01/2011 09:55	09/01/2011 11:30	09/01/2011 12:52
EPA 8315A	3	08/31/2011 13:10	09/01/2011 09:55	09/02/2011 09:56	09/07/2011 11:31
EPA 9040B	0	08/31/2011 13:10	09/01/2011 09:55	09/02/2011 11:40	09/02/2011 11:40
EPA 9056	2	08/31/2011 13:10	09/01/2011 09:55	09/01/2011 11:30	09/01/2011 12:01
Nitrite-N				09/01/2011 11:30	09/01/2011 13:54

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015B w/ Silica Gel Clean-up)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0682 Extracted: 09/07/11											
Blank Analyzed: 09/07/2011 (11I0682-BLK1)											
DRO (C10-C24)	ND	0.50	0.10	mg/l							
ORO (C25-C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C40)	ND	0.50	0.10	mg/l							
EFH (C10 - C28)	ND	0.50	0.10	mg/l							
Surrogate: n-Octacosane	*0.176*			*mg/l*	*0.200*		*88*	*45-120*			
LCS Analyzed: 09/07/2011 (11I0682-BS1)											**MNR1**
EFH (C10 - C28)	0.743	0.50	0.10	mg/l	1.00		74	40-115			
Surrogate: n-Octacosane	*0.166*			*mg/l*	*0.200*		*83*	*45-120*			
LCS Dup Analyzed: 09/07/2011 (11I0682-BSD1)											
EFH (C10 - C28)	0.839	0.50	0.10	mg/l	1.00		84	40-115	12	25	
Surrogate: n-Octacosane	*0.180*			*mg/l*	*0.200*		*90*	*45-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0688 Extracted: 09/07/11											
Blank Analyzed: 09/08/2011 (11I0688-BLK1)											
Ethanol	ND	0.50	0.30	mg/l							
Methanol	ND	0.50	0.30	mg/l							
Surrogate: 1-Pentanol	*9.08*			*mg/l*	*10.0*		*91*	*70-130*			
LCS Analyzed: 09/08/2011 (11I0688-BS1)											
Ethanol	10.0	0.50	0.30	mg/l	10.0		100	80-120			
Methanol	9.98	0.50	0.30	mg/l	10.0		100	70-120			
Surrogate: 1-Pentanol	*8.68*			*mg/l*	*10.0*		*87*	*70-130*			
Matrix Spike Analyzed: 09/07/2011 (11I0688-MS1)						**Source: IUH2910-01**					
Ethanol	9.65	0.50	0.30	mg/l	10.0	0.321	93	70-130			
Methanol	9.78	0.50	0.30	mg/l	10.0	ND	98	70-130			
Surrogate: 1-Pentanol	*8.05*			*mg/l*	*10.0*		*80*	*70-130*			
Matrix Spike Dup Analyzed: 09/07/2011 (11I0688-MSD1)						**Source: IUH2910-01**					
Ethanol	9.85	0.50	0.30	mg/l	10.0	0.321	95	70-130	2	25	
Methanol	9.94	0.50	0.30	mg/l	10.0	ND	99	70-130	2	25	
Surrogate: 1-Pentanol	*8.67*			*mg/l*	*10.0*		*87*	*70-130*			
Batch: 11I0868 Extracted: 09/08/11											
Blank Analyzed: 09/10/2011 (11I0868-BLK1)											
Ethanol	ND	0.50	0.30	mg/l							
Methanol	ND	0.50	0.30	mg/l							
Surrogate: 1-Pentanol	*9.65*			*mg/l*	*10.0*		*96*	*70-130*			
LCS Analyzed: 09/10/2011 (11I0868-BS1)											
Ethanol	9.95	0.50	0.30	mg/l	10.0		100	80-120			
Methanol	10.1	0.50	0.30	mg/l	10.0		101	70-120			
Surrogate: 1-Pentanol	*9.63*			*mg/l*	*10.0*		*96*	*70-130*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ETHANOL & METHANOL (Direct Inject/EPA 8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0868 Extracted: 09/08/11											
Matrix Spike Analyzed: 09/10/2011 (11I0868-MS1)						**Source: IUI0011-04**					
Ethanol	10.1	0.50	0.30	mg/l	10.0	ND	101	70-130			
Methanol	10.1	0.50	0.30	mg/l	10.0	ND	101	70-130			
Surrogate: 1-Pentanol	*9.34*			*mg/l*	*10.0*		*93*	*70-130*			
Matrix Spike Dup Analyzed: 09/10/2011 (11I0868-MSD1)						**Source: IUI0011-04**					
Ethanol	9.90	0.50	0.30	mg/l	10.0	ND	99	70-130	2	25	
Methanol	10.1	0.50	0.30	mg/l	10.0	ND	101	70-130	0.03	25	
Surrogate: 1-Pentanol	*9.41*			*mg/l*	*10.0*		*94*	*70-130*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Henderson - SRC Water Program Henderson - SRC Water Program Report Number: IUI0011	Sampled: 08/31/11 Received: 09/01/11	

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0468 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0468-BLK1)											
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	25	ug/l							
Surrogate: 4-BFB (FID)	*9.79*			*ug/l*	*10.0*		*98*	*65-140*			
LCS Analyzed: 09/06/2011 (11I0468-BS1)											
Volatile Fuel Hydrocarbons (C6-C12)	874	50	25	ug/l	800		109	80-120			
Surrogate: 4-BFB (FID)	*9.68*			*ug/l*	*10.0*		*97*	*65-140*			
Matrix Spike Analyzed: 09/07/2011 (11I0468-MS1)					**Source: IUI0135-11**						
Volatile Fuel Hydrocarbons (C6-C12)	250	50	25	ug/l	220	ND	113	65-140			
Surrogate: 4-BFB (FID)	*9.91*			*ug/l*	*10.0*		*99*	*65-140*			
Matrix Spike Dup Analyzed: 09/07/2011 (11I0468-MSD1)					**Source: IUI0135-11**						
Volatile Fuel Hydrocarbons (C6-C12)	281	50	25	ug/l	220	ND	128	65-140	12	20	
Surrogate: 4-BFB (FID)	*11.7*			*ug/l*	*10.0*		*117*	*65-140*			
Batch: 11I0678 Extracted: 09/07/11											
Blank Analyzed: 09/07/2011 (11I0678-BLK1)											
Volatile Fuel Hydrocarbons (C6-C12)	ND	50	25	ug/l							
Surrogate: 4-BFB (FID)	*8.69*			*ug/l*	*10.0*		*87*	*65-140*			
LCS Analyzed: 09/07/2011 (11I0678-BS1)											
Volatile Fuel Hydrocarbons (C6-C12)	948	50	25	ug/l	800		119	80-120			
Surrogate: 4-BFB (FID)	*17.6*			*ug/l*	*10.0*		*176*	*65-140*			*Z2*
Matrix Spike Analyzed: 09/07/2011 (11I0678-MS1)					**Source: IUI0198-01**						
Volatile Fuel Hydrocarbons (C6-C12)	285	50	25	ug/l	220	ND	130	65-140			
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*65-140*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0678 Extracted: 09/07/11											
Matrix Spike Dup Analyzed: 09/07/2011 (11I0678-MSD1)						**Source: IUI0198-01**					
Volatile Fuel Hydrocarbons (C6-C12)	281	50	25	ug/l	220	ND	128	65-140	2	20	
Surrogate: 4-BFB (FID)	*9.95*			*ug/l*	*10.0*		*99*	*65-140*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0233-BLK1)											
Acetone	ND	10	4.5	ug/l							
Benzene	ND	2.0	0.28	ug/l							
Bromobenzene	ND	5.0	0.27	ug/l							
Bromochloromethane	ND	5.0	0.40	ug/l							
Bromodichloromethane	ND	2.0	0.30	ug/l							
Bromoform	ND	5.0	0.40	ug/l							
Bromomethane	ND	5.0	0.42	ug/l							
2-Butanone (MEK)	ND	10	4.7	ug/l							
n-Butylbenzene	ND	2.0	0.37	ug/l							
sec-Butylbenzene	ND	5.0	0.25	ug/l							
1,3,5-Trichlorobenzene	ND	2.0	0.50	ug/l							
tert-Butylbenzene	ND	5.0	0.22	ug/l							
Carbon Disulfide	ND	5.0	0.48	ug/l							
Carbon tetrachloride	ND	5.0	0.28	ug/l							
2,2,3-Trimethylbutane	ND	2.0	0.50	ug/l							
Chlorobenzene	ND	2.0	0.36	ug/l							
2,2-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroethane	ND	5.0	0.40	ug/l							
2,3-Dimethylpentane	ND	2.0	0.50	ug/l							
2,4-Dimethylpentane	ND	2.0	0.50	ug/l							
Chloroform	ND	2.0	0.33	ug/l							
Chloromethane	ND	5.0	0.40	ug/l							
2-Chlorotoluene	ND	5.0	0.28	ug/l							
4-Chlorotoluene	ND	5.0	0.29	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	0.97	ug/l							
2-Methylhexane	ND	2.0	0.50	ug/l							
3,3-Dimethylpentane	ND	2.0	0.50	ug/l							
Dibromochloromethane	ND	2.0	0.40	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	0.40	ug/l							
3-Ethylpentane	ND	2.0	0.50	ug/l							
3-Methylhexane	ND	2.0	0.50	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0233-BLK1)											
Dibromomethane	ND	2.0	0.36	ug/l							
1,2-Dichlorobenzene	ND	2.0	0.32	ug/l							
1,3-Dichlorobenzene	ND	2.0	0.35	ug/l							
1,4-Dichlorobenzene	ND	2.0	0.37	ug/l							
Dichlorodifluoromethane	ND	5.0	0.26	ug/l							
1,1-Dichloroethane	ND	2.0	0.40	ug/l							
1,2-Dichloroethane	ND	2.0	0.28	ug/l							
1,1-Dichloroethene	ND	5.0	0.42	ug/l							
cis-1,2-Dichloroethene	ND	2.0	0.32	ug/l							
trans-1,2-Dichloroethene	ND	2.0	0.30	ug/l							
1,2-Dichloropropane	ND	2.0	0.35	ug/l							
1,3-Dichloropropane	ND	5.0	0.32	ug/l							
2,2-Dichloropropane	ND	2.0	0.34	ug/l							
cis-1,3-Dichloropropene	ND	2.0	0.22	ug/l							
trans-1,3-Dichloropropene	ND	2.0	0.32	ug/l							
1,1-Dichloropropene	ND	2.0	0.28	ug/l							
Dimethyl disulfide	ND	2.0	0.50	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Hexachlorobutadiene	ND	5.0	0.38	ug/l							
2-Hexanone	ND	10	2.6	ug/l							
n-Heptane	ND	5.0	0.50	ug/l							
Nonanal	ND	5.0	1.5	ug/l							
Isopropylbenzene	ND	2.0	0.25	ug/l							
p-Isopropyltoluene	ND	2.0	0.28	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	3.5	ug/l							
Methylene chloride	ND	5.0	0.95	ug/l							
Naphthalene	ND	5.0	0.41	ug/l							
n-Propylbenzene	ND	2.0	0.27	ug/l							
Styrene	ND	2.0	0.20	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	0.27	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	0.30	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0233-BLK1)											
Tetrachloroethene	ND	2.0	0.32	ug/l							
Toluene	ND	2.0	0.36	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	0.30	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	0.48	ug/l							
1,1,1-Trichloroethane	ND	2.0	0.30	ug/l							
1,1,2-Trichloroethane	ND	2.0	0.30	ug/l							
Trichloroethene	ND	2.0	0.26	ug/l							
Trichlorofluoromethane	ND	5.0	0.34	ug/l							
1,2,3-Trichloropropane	ND	10	0.40	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	0.23	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	0.26	ug/l							
Vinyl chloride	ND	2.0	0.40	ug/l							
m,p-Xylenes	ND	2.0	0.60	ug/l							
o-Xylene	ND	2.0	0.30	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*23.6*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*26.4*			*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 09/02/2011 (11I0233-BS1)											
Acetone	23.3	10	4.5	ug/l	25.0		93	30-140			
Benzene	23.2	2.0	0.28	ug/l	25.0		93	70-120			
Bromobenzene	23.4	5.0	0.27	ug/l	25.0		94	75-120			
Bromochloromethane	22.0	5.0	0.40	ug/l	25.0		88	70-130			
Bromodichloromethane	22.7	2.0	0.30	ug/l	25.0		91	70-135			
Bromoform	21.4	5.0	0.40	ug/l	25.0		85	55-130			
Bromomethane	21.3	5.0	0.42	ug/l	25.0		85	65-140			
2-Butanone (MEK)	24.4	10	4.7	ug/l	25.0		97	40-140			
n-Butylbenzene	27.1	2.0	0.37	ug/l	25.0		108	70-130			
sec-Butylbenzene	25.1	5.0	0.25	ug/l	25.0		100	70-125			
tert-Butylbenzene	24.6	5.0	0.22	ug/l	25.0		98	70-125			
Carbon Disulfide	19.2	5.0	0.48	ug/l	25.0		77	50-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
LCS Analyzed: 09/02/2011 (11I0233-BS1)											
Carbon tetrachloride	22.8	5.0	0.28	ug/l	25.0		91	65-140			
Chlorobenzene	24.1	2.0	0.36	ug/l	25.0		96	75-120			
Chloroethane	21.6	5.0	0.40	ug/l	25.0		86	60-140			
Chloroform	21.4	2.0	0.33	ug/l	25.0		85	70-130			
Chloromethane	17.7	5.0	0.40	ug/l	25.0		71	50-140			
2-Chlorotoluene	24.2	5.0	0.28	ug/l	25.0		97	70-125			
4-Chlorotoluene	24.8	5.0	0.29	ug/l	25.0		99	75-125			
1,2-Dibromo-3-chloropropane	19.4	5.0	0.97	ug/l	25.0		77	50-135			
Dibromochloromethane	20.3	2.0	0.40	ug/l	25.0		81	70-140			
1,2-Dibromoethane (EDB)	23.0	2.0	0.40	ug/l	25.0		92	75-125			
Dibromomethane	23.4	2.0	0.36	ug/l	25.0		94	70-125			
1,2-Dichlorobenzene	23.8	2.0	0.32	ug/l	25.0		95	75-120			
1,3-Dichlorobenzene	23.5	2.0	0.35	ug/l	25.0		94	75-120			
1,4-Dichlorobenzene	22.5	2.0	0.37	ug/l	25.0		90	75-120			
Dichlorodifluoromethane	13.0	5.0	0.26	ug/l	25.0		52	35-155			
1,1-Dichloroethane	22.2	2.0	0.40	ug/l	25.0		89	70-125			
1,2-Dichloroethane	21.6	2.0	0.28	ug/l	25.0		86	60-140			
1,1-Dichloroethene	20.8	5.0	0.42	ug/l	25.0		83	70-125			
cis-1,2-Dichloroethene	23.5	2.0	0.32	ug/l	25.0		94	70-125			
trans-1,2-Dichloroethene	21.8	2.0	0.30	ug/l	25.0		87	70-125			
1,2-Dichloropropane	24.0	2.0	0.35	ug/l	25.0		96	70-125			
1,3-Dichloropropane	24.0	5.0	0.32	ug/l	25.0		96	70-120			
2,2-Dichloropropane	23.2	2.0	0.34	ug/l	25.0		93	65-140			
cis-1,3-Dichloropropene	24.9	2.0	0.22	ug/l	25.0		100	75-125			
trans-1,3-Dichloropropene	26.6	2.0	0.32	ug/l	25.0		106	70-125			
1,1-Dichloropropene	23.2	2.0	0.28	ug/l	25.0		93	75-130			
Ethylbenzene	25.6	2.0	0.25	ug/l	25.0		102	75-125			
Hexachlorobutadiene	25.3	5.0	0.38	ug/l	25.0		101	65-135			
2-Hexanone	21.6	10	2.6	ug/l	25.0		86	45-140			
Isopropylbenzene	25.0	2.0	0.25	ug/l	25.0		100	75-130			
p-Isopropyltoluene	24.1	2.0	0.28	ug/l	25.0		97	75-125			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
LCS Analyzed: 09/02/2011 (11I0233-BS1)											
4-Methyl-2-pentanone (MIBK)	22.0	10	3.5	ug/l	25.0		88	45-140			
Methylene chloride	20.8	5.0	0.95	ug/l	25.0		83	55-130			
Naphthalene	27.9	5.0	0.41	ug/l	25.0		112	55-135			
n-Propylbenzene	24.8	2.0	0.27	ug/l	25.0		99	75-130			
Styrene	27.6	2.0	0.20	ug/l	25.0		110	75-130			
1,1,1,2-Tetrachloroethane	23.3	5.0	0.27	ug/l	25.0		93	70-130			
1,1,2,2-Tetrachloroethane	22.7	2.0	0.30	ug/l	25.0		91	55-130			
Tetrachloroethene	23.0	2.0	0.32	ug/l	25.0		92	70-125			
Toluene	25.5	2.0	0.36	ug/l	25.0		102	70-120			
1,2,3-Trichlorobenzene	27.2	5.0	0.30	ug/l	25.0		109	65-125			
1,2,4-Trichlorobenzene	27.1	5.0	0.48	ug/l	25.0		109	70-135			
1,1,1-Trichloroethane	22.2	2.0	0.30	ug/l	25.0		89	65-135			
1,1,2-Trichloroethane	23.0	2.0	0.30	ug/l	25.0		92	70-125			
Trichloroethene	22.5	2.0	0.26	ug/l	25.0		90	70-125			
Trichlorofluoromethane	22.3	5.0	0.34	ug/l	25.0		89	65-145			
1,2,3-Trichloropropane	21.2	10	0.40	ug/l	25.0		85	60-130			
1,2,4-Trimethylbenzene	26.5	2.0	0.23	ug/l	25.0		106	75-125			
1,3,5-Trimethylbenzene	25.5	2.0	0.26	ug/l	25.0		102	75-125			
Vinyl chloride	20.5	2.0	0.40	ug/l	25.0		82	55-135			
m,p-Xylenes	51.8	2.0	0.60	ug/l	50.0		104	75-125			
o-Xylene	25.8	2.0	0.30	ug/l	25.0		103	75-125			
Methyl-tert-butyl Ether (MTBE)	23.1	5.0	0.32	ug/l	25.0		92	60-135			
Surrogate: 4-Bromofluorobenzene	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.4*			*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Analyzed: 09/02/2011 (11I0233-MS1)						**Source: IUI0011-04**					
Acetone	18.2	10	4.5	ug/l	25.0	ND	73	20-150			
Benzene	26.2	2.0	0.28	ug/l	25.0	ND	105	65-125			
Bromobenzene	26.9	5.0	0.27	ug/l	25.0	ND	107	70-125			
Bromochloromethane	24.9	5.0	0.40	ug/l	25.0	ND	100	65-135			
Bromodichloromethane	25.4	2.0	0.30	ug/l	25.0	ND	102	70-135			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Matrix Spike Analyzed: 09/02/2011 (11I0233-MS1)						**Source: IUI0011-04**					
Bromoform	23.1	5.0	0.40	ug/l	25.0	ND	92	55-135			
Bromomethane	25.2	5.0	0.42	ug/l	25.0	ND	101	55-145			
2-Butanone (MEK)	24.1	10	4.7	ug/l	25.0	ND	96	30-145			
n-Butylbenzene	30.3	2.0	0.37	ug/l	25.0	ND	121	65-135			
sec-Butylbenzene	29.0	5.0	0.25	ug/l	25.0	ND	116	70-125			
tert-Butylbenzene	28.5	5.0	0.22	ug/l	25.0	ND	114	65-130			
Carbon Disulfide	22.5	5.0	0.48	ug/l	25.0	ND	90	40-140			
Carbon tetrachloride	26.3	5.0	0.28	ug/l	25.0	ND	105	65-140			
Chlorobenzene	27.1	2.0	0.36	ug/l	25.0	ND	108	75-125			
Chloroethane	25.0	5.0	0.40	ug/l	25.0	ND	100	55-140			
Chloroform	24.7	2.0	0.33	ug/l	25.0	0.450	97	65-135			
Chloromethane	21.6	5.0	0.40	ug/l	25.0	ND	87	45-145			
2-Chlorotoluene	28.4	5.0	0.28	ug/l	25.0	ND	113	65-135			
4-Chlorotoluene	28.2	5.0	0.29	ug/l	25.0	ND	113	70-135			
1,2-Dibromo-3-chloropropane	21.8	5.0	0.97	ug/l	25.0	ND	87	45-145			
Dibromochloromethane	22.2	2.0	0.40	ug/l	25.0	ND	89	65-140			
1,2-Dibromoethane (EDB)	25.1	2.0	0.40	ug/l	25.0	ND	100	70-130			
Dibromomethane	26.0	2.0	0.36	ug/l	25.0	ND	104	65-135			
1,2-Dichlorobenzene	26.8	2.0	0.32	ug/l	25.0	ND	107	75-125			
1,3-Dichlorobenzene	26.2	2.0	0.35	ug/l	25.0	ND	105	75-125			
1,4-Dichlorobenzene	24.8	2.0	0.37	ug/l	25.0	ND	99	75-125			
Dichlorodifluoromethane	17.8	5.0	0.26	ug/l	25.0	ND	71	25-155			
1,1-Dichloroethane	25.3	2.0	0.40	ug/l	25.0	ND	101	65-130			
1,2-Dichloroethane	23.5	2.0	0.28	ug/l	25.0	ND	94	60-140			
1,1-Dichloroethene	23.7	5.0	0.42	ug/l	25.0	ND	95	60-130			
cis-1,2-Dichloroethene	27.0	2.0	0.32	ug/l	25.0	ND	108	65-130			
trans-1,2-Dichloroethene	24.8	2.0	0.30	ug/l	25.0	ND	99	65-130			
1,2-Dichloropropane	26.7	2.0	0.35	ug/l	25.0	ND	107	65-130			
1,3-Dichloropropane	26.7	5.0	0.32	ug/l	25.0	ND	107	65-135			
2,2-Dichloropropane	28.6	2.0	0.34	ug/l	25.0	ND	115	60-145			
cis-1,3-Dichloropropene	26.9	2.0	0.22	ug/l	25.0	ND	108	70-130			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Matrix Spike Analyzed: 09/02/2011 (11I0233-MS1)						**Source: IUI0011-04**					
trans-1,3-Dichloropropene	28.7	2.0	0.32	ug/l	25.0	ND	115	65-135			
1,1-Dichloropropene	26.6	2.0	0.28	ug/l	25.0	ND	107	70-135			
Ethylbenzene	28.8	2.0	0.25	ug/l	25.0	ND	115	65-130			
Hexachlorobutadiene	27.3	5.0	0.38	ug/l	25.0	ND	109	60-135			
2-Hexanone	21.5	10	2.6	ug/l	25.0	ND	86	25-140			
Isopropylbenzene	29.3	2.0	0.25	ug/l	25.0	ND	117	70-135			
p-Isopropyltoluene	27.3	2.0	0.28	ug/l	25.0	ND	109	65-130			
4-Methyl-2-pentanone (MIBK)	23.3	10	3.5	ug/l	25.0	ND	93	40-140			
Methylene chloride	23.7	5.0	0.95	ug/l	25.0	ND	95	50-135			
Naphthalene	29.0	5.0	0.41	ug/l	25.0	ND	116	50-140			
n-Propylbenzene	29.2	2.0	0.27	ug/l	25.0	ND	117	70-135			
Styrene	29.2	2.0	0.20	ug/l	25.0	ND	117	50-145			
1,1,1,2-Tetrachloroethane	25.3	5.0	0.27	ug/l	25.0	ND	101	65-140			
1,1,2,2-Tetrachloroethane	26.4	2.0	0.30	ug/l	25.0	ND	106	55-135			
Tetrachloroethene	26.2	2.0	0.32	ug/l	25.0	ND	105	65-130			
Toluene	28.4	2.0	0.36	ug/l	25.0	ND	114	70-125			
1,2,3-Trichlorobenzene	28.1	5.0	0.30	ug/l	25.0	ND	112	60-135			
1,2,4-Trichlorobenzene	28.4	5.0	0.48	ug/l	25.0	ND	113	65-135			
1,1,1-Trichloroethane	26.6	2.0	0.30	ug/l	25.0	ND	106	65-140			
1,1,2-Trichloroethane	24.6	2.0	0.30	ug/l	25.0	ND	99	65-130			
Trichloroethene	25.5	2.0	0.26	ug/l	25.0	ND	102	65-125			
Trichlorofluoromethane	26.2	5.0	0.34	ug/l	25.0	ND	105	60-145			
1,2,3-Trichloropropane	25.0	10	0.40	ug/l	25.0	ND	100	55-135			
1,2,4-Trimethylbenzene	30.1	2.0	0.23	ug/l	25.0	ND	121	55-135			
1,3,5-Trimethylbenzene	29.5	2.0	0.26	ug/l	25.0	ND	118	70-130			
Vinyl chloride	24.7	2.0	0.40	ug/l	25.0	ND	99	45-140			
m,p-Xylenes	58.0	2.0	0.60	ug/l	50.0	ND	116	65-130			
o-Xylene	28.0	2.0	0.30	ug/l	25.0	ND	112	65-125			
Methyl-tert-butyl Ether (MTBE)	25.1	5.0	0.32	ug/l	25.0	ND	101	55-145			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.1*			*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Matrix Spike Analyzed: 09/02/2011 (11I0233-MS1)						**Source: IUI0011-04**					
Matrix Spike Dup Analyzed: 09/02/2011 (11I0233-MSD1)						**Source: IUI0011-04**					
Acetone	18.7	10	4.5	ug/l	25.0	ND	75	20-150	3	35	
Benzene	25.8	2.0	0.28	ug/l	25.0	ND	103	65-125	2	20	
Bromobenzene	27.2	5.0	0.27	ug/l	25.0	ND	109	70-125	1	20	
Bromochloromethane	24.3	5.0	0.40	ug/l	25.0	ND	97	65-135	2	25	
Bromodichloromethane	25.2	2.0	0.30	ug/l	25.0	ND	101	70-135	0.9	20	
Bromoform	23.9	5.0	0.40	ug/l	25.0	ND	96	55-135	3	25	
Bromomethane	25.1	5.0	0.42	ug/l	25.0	ND	100	55-145	0.4	25	
2-Butanone (MEK)	25.2	10	4.7	ug/l	25.0	ND	101	30-145	5	40	
n-Butylbenzene	29.8	2.0	0.37	ug/l	25.0	ND	119	65-135	1	20	
sec-Butylbenzene	28.6	5.0	0.25	ug/l	25.0	ND	115	70-125	1	20	
tert-Butylbenzene	28.2	5.0	0.22	ug/l	25.0	ND	113	65-130	0.9	20	
Carbon Disulfide	21.7	5.0	0.48	ug/l	25.0	ND	87	40-140	3	20	
Carbon tetrachloride	25.7	5.0	0.28	ug/l	25.0	ND	103	65-140	2	25	
Chlorobenzene	26.9	2.0	0.36	ug/l	25.0	ND	107	75-125	0.7	20	
Chloroethane	24.2	5.0	0.40	ug/l	25.0	ND	97	55-140	3	25	
Chloroform	24.0	2.0	0.33	ug/l	25.0	0.450	94	65-135	3	20	
Chloromethane	20.8	5.0	0.40	ug/l	25.0	ND	83	45-145	4	25	
2-Chlorotoluene	28.0	5.0	0.28	ug/l	25.0	ND	112	65-135	1	20	
4-Chlorotoluene	28.4	5.0	0.29	ug/l	25.0	ND	113	70-135	0.5	20	
1,2-Dibromo-3-chloropropane	21.1	5.0	0.97	ug/l	25.0	ND	84	45-145	3	30	
Dibromochloromethane	22.6	2.0	0.40	ug/l	25.0	ND	90	65-140	2	25	
1,2-Dibromoethane (EDB)	25.3	2.0	0.40	ug/l	25.0	ND	101	70-130	0.8	25	
Dibromomethane	26.1	2.0	0.36	ug/l	25.0	ND	104	65-135	0.4	25	
1,2-Dichlorobenzene	26.8	2.0	0.32	ug/l	25.0	ND	107	75-125	0.07	20	
1,3-Dichlorobenzene	26.5	2.0	0.35	ug/l	25.0	ND	106	75-125	1	20	
1,4-Dichlorobenzene	24.9	2.0	0.37	ug/l	25.0	ND	100	75-125	0.3	20	
Dichlorodifluoromethane	17.0	5.0	0.26	ug/l	25.0	ND	68	25-155	5	30	
1,1-Dichloroethane	24.6	2.0	0.40	ug/l	25.0	ND	98	65-130	3	20	
1,2-Dichloroethane	23.7	2.0	0.28	ug/l	25.0	ND	95	60-140	0.9	20	
1,1-Dichloroethene	23.0	5.0	0.42	ug/l	25.0	ND	92	60-130	3	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Matrix Spike Dup Analyzed: 09/02/2011 (11I0233-MSD1)					**Source: IUI0011-04**						
cis-1,2-Dichloroethene	26.3	2.0	0.32	ug/l	25.0	ND	105	65-130	3	20	
trans-1,2-Dichloroethene	24.2	2.0	0.30	ug/l	25.0	ND	97	65-130	2	20	
1,2-Dichloropropane	26.1	2.0	0.35	ug/l	25.0	ND	105	65-130	2	20	
1,3-Dichloropropane	26.8	5.0	0.32	ug/l	25.0	ND	107	65-135	0.3	25	
2,2-Dichloropropane	27.8	2.0	0.34	ug/l	25.0	ND	111	60-145	3	25	
cis-1,3-Dichloropropene	26.9	2.0	0.22	ug/l	25.0	ND	108	70-130	0.07	20	
trans-1,3-Dichloropropene	28.7	2.0	0.32	ug/l	25.0	ND	115	65-135	0.1	25	
1,1-Dichloropropene	26.4	2.0	0.28	ug/l	25.0	ND	105	70-135	1	20	
Ethylbenzene	28.6	2.0	0.25	ug/l	25.0	ND	114	65-130	0.7	20	
Hexachlorobutadiene	26.5	5.0	0.38	ug/l	25.0	ND	106	60-135	3	20	
2-Hexanone	22.4	10	2.6	ug/l	25.0	ND	90	25-140	4	35	
Isopropylbenzene	29.4	2.0	0.25	ug/l	25.0	ND	118	70-135	0.4	20	
p-Isopropyltoluene	27.2	2.0	0.28	ug/l	25.0	ND	109	65-130	0.6	20	
4-Methyl-2-pentanone (MIBK)	23.6	10	3.5	ug/l	25.0	ND	94	40-140	1	35	
Methylene chloride	23.2	5.0	0.95	ug/l	25.0	ND	93	50-135	2	20	
Naphthalene	30.1	5.0	0.41	ug/l	25.0	ND	120	50-140	4	30	
n-Propylbenzene	28.7	2.0	0.27	ug/l	25.0	ND	115	70-135	2	20	
Styrene	29.2	2.0	0.20	ug/l	25.0	ND	117	50-145	0	30	
1,1,1,2-Tetrachloroethane	26.0	5.0	0.27	ug/l	25.0	ND	104	65-140	3	20	
1,1,2,2-Tetrachloroethane	26.7	2.0	0.30	ug/l	25.0	ND	107	55-135	1	30	
Tetrachloroethene	25.4	2.0	0.32	ug/l	25.0	ND	101	65-130	3	20	
Toluene	27.8	2.0	0.36	ug/l	25.0	ND	111	70-125	2	20	
1,2,3-Trichlorobenzene	28.1	5.0	0.30	ug/l	25.0	ND	112	60-135	0.04	20	
1,2,4-Trichlorobenzene	28.4	5.0	0.48	ug/l	25.0	ND	113	65-135	0.04	20	
1,1,1-Trichloroethane	25.7	2.0	0.30	ug/l	25.0	ND	103	65-140	3	20	
1,1,2-Trichloroethane	25.0	2.0	0.30	ug/l	25.0	ND	100	65-130	1	25	
Trichloroethene	24.9	2.0	0.26	ug/l	25.0	ND	100	65-125	3	20	
Trichlorofluoromethane	25.4	5.0	0.34	ug/l	25.0	ND	102	60-145	3	25	
1,2,3-Trichloropropane	25.6	10	0.40	ug/l	25.0	ND	102	55-135	2	30	
1,2,4-Trimethylbenzene	29.9	2.0	0.23	ug/l	25.0	ND	120	55-135	0.9	25	
1,3,5-Trimethylbenzene	29.2	2.0	0.26	ug/l	25.0	ND	117	70-130	1	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Matrix Spike Dup Analyzed: 09/02/2011 (11I0233-MSD1)						**Source: IUI0011-04**					
Vinyl chloride	23.9	2.0	0.40	ug/l	25.0	ND	96	45-140	3	30	
m,p-Xylenes	57.1	2.0	0.60	ug/l	50.0	ND	114	65-130	2	25	
o-Xylene	28.4	2.0	0.30	ug/l	25.0	ND	114	65-125	2	20	
Methyl-tert-butyl Ether (MTBE)	25.7	5.0	0.32	ug/l	25.0	ND	103	55-145	2	25	
Surrogate: 4-Bromofluorobenzene	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*24.9*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*26.3*			*ug/l*	*25.0*		*105*	*80-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID:	Henderson - SRC Water Program Henderson - SRC Water Program	Sampled: 08/31/11 Received: 09/01/11
	Report Number:	IUI0011	

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0233 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0233-BLK1)											
Tentatively Identified Compounds	ND	120	N/A	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

EDB and DBCP in Water by GC/ECD (EPA 504.1)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0455 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011 (11I0455-BLK1)											
1,2-Dibromoethane (EDB)	ND	0.0099	0.0030	ug/l							
1,2-Dibromo-3-chloropropane	ND	0.049	0.0030	ug/l							
Surrogate: 4-Bromofluorobenzene	*3.95*			*ug/l*	*3.96*		*100*	*50-150*			
LCS Analyzed: 09/06/2011 (11I0455-BS1)											
1,2-Dibromoethane (EDB)	0.225	0.0099	0.0030	ug/l	0.247		91	70-130			
1,2-Dibromo-3-chloropropane	0.237	0.049	0.0030	ug/l	0.247		96	70-130			
Surrogate: 4-Bromofluorobenzene	*3.82*			*ug/l*	*3.96*		*97*	*50-150*			
LCS Analyzed: 09/06/2011 (11I0455-BS2)											
1,2-Dibromoethane (EDB)	0.215	0.0099	0.0030	ug/l	0.247		87	70-130			
1,2-Dibromo-3-chloropropane	0.233	0.049	0.0030	ug/l	0.247		94	70-130			
Surrogate: 4-Bromofluorobenzene	*3.56*			*ug/l*	*3.96*		*90*	*50-150*			
LCS Dup Analyzed: 09/06/2011 (11I0455-BSD1)											
1,2-Dibromoethane (EDB)	0.0937	0.0099	0.0030	ug/l	0.0990		95	70-130	4	20	
1,2-Dibromo-3-chloropropane	0.0987	0.049	0.0030	ug/l	0.0990		100	70-130	4	20	
Surrogate: 4-Bromofluorobenzene	*3.82*			*ug/l*	*3.96*		*96*	*50-150*			
Matrix Spike Analyzed: 09/06/2011 (11I0455-MS1)						**Source: IUH2950-01**					
1,2-Dibromoethane (EDB)	0.207	0.0096	0.0029	ug/l	0.241	ND	86	65-135			
1,2-Dibromo-3-chloropropane	0.360	0.048	0.0029	ug/l	0.241	0.145	89	65-135			
Surrogate: 4-Bromofluorobenzene	*3.43*			*ug/l*	*3.86*		*89*	*50-150*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
Acenaphthene	ND	10	3.0	ug/l							
Acenaphthylene	ND	10	3.0	ug/l							
Aniline	ND	10	3.5	ug/l							
Anthracene	ND	10	2.5	ug/l							
Benzo(a)anthracene	ND	10	2.5	ug/l							
Benzo(a)pyrene	ND	10	3.0	ug/l							
Benzo(b)fluoranthene	ND	10	2.0	ug/l							
Benzo(g,h,i)perylene	ND	10	4.0	ug/l							
Benzo(k)fluoranthene	ND	10	2.5	ug/l							
Benzoic acid	ND	20	10	ug/l							
Benzyl alcohol	ND	20	3.5	ug/l							
4-Bromophenyl phenyl ether	ND	10	3.0	ug/l							
Butyl benzyl phthalate	ND	20	4.0	ug/l							
4-Chloro-3-methylphenol	ND	20	2.5	ug/l							
4-Chloroaniline	ND	10	2.0	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.0	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	2.5	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	4.0	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	3.0	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.5	ug/l							
Chrysene	ND	10	2.5	ug/l							
Dibenz(a,h)anthracene	ND	20	3.0	ug/l							
Dibenzofuran	ND	10	4.0	ug/l							
Di-n-butyl phthalate	ND	20	3.0	ug/l							
1,2-Dichlorobenzene	ND	10	3.0	ug/l							
1,3-Dichlorobenzene	ND	10	3.0	ug/l							
1,4-Dichlorobenzene	ND	10	2.5	ug/l							
2,2'-/4,4'-Dichlorobenzil	ND	10	4.5	ug/l							
3,3'-Dichlorobenzidine	ND	20	7.5	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
2,4-Dichlorophenol	ND	10	3.5	ug/l							
Diethyl phthalate	ND	10	3.5	ug/l							
2,4-Dimethylphenol	ND	20	3.5	ug/l							
Dimethyl phthalate	ND	10	2.5	ug/l							
4,6-Dinitro-2-methylphenol	ND	20	4.0	ug/l							
2,4-Dinitrophenol	ND	20	8.0	ug/l							
2,4-Dinitrotoluene	ND	10	3.5	ug/l							
2,6-Dinitrotoluene	ND	10	2.0	ug/l							
Di-n-octyl phthalate	ND	20	3.5	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	2.5	ug/l							
Fluoranthene	ND	10	3.0	ug/l							
Fluorene	ND	10	3.0	ug/l							
Hexachlorobenzene	ND	10	3.0	ug/l							
Hexachlorobutadiene	ND	10	4.0	ug/l							
Hexachlorocyclopentadiene	ND	20	5.0	ug/l							
Hexachloroethane	ND	10	3.5	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	3.5	ug/l							
Isophorone	ND	10	3.0	ug/l							
2-Methylnaphthalene	ND	10	2.0	ug/l							
2-Methylphenol	ND	10	3.0	ug/l							
4-Methylphenol	ND	10	3.0	ug/l							
Naphthalene	ND	10	3.0	ug/l							
2-Nitroaniline	ND	20	2.0	ug/l							
3-Nitroaniline	ND	20	3.0	ug/l							
4-Nitroaniline	ND	20	4.0	ug/l							
Nitrobenzene	ND	20	3.0	ug/l							
2-Nitrophenol	ND	10	3.5	ug/l							
4-Nitrophenol	ND	20	5.5	ug/l							
N-Nitroso-di-n-propylamine	ND	10	3.5	ug/l							
N-Nitrosodimethylamine	ND	20	2.5	ug/l							
N-Nitrosodiphenylamine	ND	10	2.0	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
Pentachlorophenol	ND	20	3.5	ug/l							
Phenanthrene	ND	10	3.5	ug/l							
Phenol	ND	10	2.0	ug/l							
Pyrene	ND	10	4.0	ug/l							
Pyridine	ND	20	2.5	ug/l							
1,2,4-Trichlorobenzene	ND	10	2.5	ug/l							
2,4,5-Trichlorophenol	ND	20	3.0	ug/l							
2,4,6-Trichlorophenol	ND	20	4.5	ug/l							
n-Hydroxymethylphthalimide	ND	200	25	ug/l							
Octachlorostyrene	ND	20	6.5	ug/l							
Pentachlorobenzene	ND	10	3.0	ug/l							
Phenyl disulfide	ND	10	2.5	ug/l							
Phenyl sulfide	ND	10	2.5	ug/l							
Thiophenol	ND	200	30	ug/l							
4,4'-Dichlorobenzophenone	ND	10	2.5	ug/l							
4-Chlorobenzenethiol	ND	200	40	ug/l							
4-Chlorophenyl methyl sulfide	ND	10	3.5	ug/l							
4-Chlorophenyl methyl sulfone	ND	10	3.0	ug/l							
4-Chlorophenyl sulfone	ND	10	3.5	ug/l							
Benzophenone	ND	10	3.0	ug/l							
bis(4-chlorophenyl)disulfide	ND	10	4.0	ug/l							
Diphenyl sulfone	ND	10	3.0	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	3.0	ug/l							
Surrogate: 2,4,6-Tribromophenol	*186*			*ug/l*	*200*		*93*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*81.7*			*ug/l*	*100*		*82*	*50-120*			
Surrogate: 2-Fluorophenol	*146*			*ug/l*	*200*		*73*	*30-120*			
Surrogate: Nitrobenzene-d5	*75.6*			*ug/l*	*100*		*76*	*45-120*			
Surrogate: Phenol-d6	*150*			*ug/l*	*200*		*75*	*35-120*			
Surrogate: Terphenyl-d14	*90.2*			*ug/l*	*100*		*90*	*50-125*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
Acenaphthene	95.3	10	3.0	ug/l	100		95	60-120			
Acenaphthylene	105	10	3.0	ug/l	100		105	60-120			
Aniline	102	10	3.5	ug/l	100		102	35-120			
Anthracene	99.2	10	2.5	ug/l	100		99	65-120			
Benzo(a)anthracene	97.6	10	2.5	ug/l	100		98	65-120			
Benzo(a)pyrene	106	10	3.0	ug/l	100		106	55-130			
Benzo(b)fluoranthene	92.5	10	2.0	ug/l	100		93	55-125			
Benzo(g,h,i)perylene	109	10	4.0	ug/l	100		109	45-135			
Benzo(k)fluoranthene	102	10	2.5	ug/l	100		102	50-125			
Benzoic acid	78.9	20	10	ug/l	100		79	25-120			
Benzyl alcohol	114	20	3.5	ug/l	100		114	50-120			
4-Bromophenyl phenyl ether	98.1	10	3.0	ug/l	100		98	60-120			
Butyl benzyl phthalate	95.6	20	4.0	ug/l	100		96	55-130			
4-Chloro-3-methylphenol	101	20	2.5	ug/l	100		101	60-120			
4-Chloroaniline	99.9	10	2.0	ug/l	100		100	55-120			
Bis(2-chloroethoxy)methane	86.4	10	3.0	ug/l	100		86	55-120			
Bis(2-chloroethyl)ether	77.0	10	3.0	ug/l	100		77	50-120			
Bis(2-chloroisopropyl)ether	75.4	10	2.5	ug/l	100		75	45-120			
Bis(2-ethylhexyl)phthalate	99.2	50	4.0	ug/l	100		99	65-130			
2-Chloronaphthalene	91.5	10	3.0	ug/l	100		92	60-120			
2-Chlorophenol	85.7	10	3.0	ug/l	100		86	45-120			
4-Chlorophenyl phenyl ether	97.1	10	2.5	ug/l	100		97	65-120			
Chrysene	95.6	10	2.5	ug/l	100		96	65-120			
Dibenz(a,h)anthracene	114	20	3.0	ug/l	100		114	50-135			
Dibenzofuran	96.4	10	4.0	ug/l	100		96	65-120			
Di-n-butyl phthalate	90.7	20	3.0	ug/l	100		91	60-125			
1,2-Dichlorobenzene	63.3	10	3.0	ug/l	100		63	40-120			
1,3-Dichlorobenzene	60.4	10	3.0	ug/l	100		60	35-120			
1,4-Dichlorobenzene	63.0	10	2.5	ug/l	100		63	35-120			
2,2'-/4,4'-Dichlorobenzil	94.6	10	4.5	ug/l	100		95	50-130			
3,3'-Dichlorobenzidine	111	20	7.5	ug/l	100		111	45-135			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
2,4-Dichlorophenol	90.5	10	3.5	ug/l	100		90	55-120			
Diethyl phthalate	94.2	10	3.5	ug/l	100		94	55-120			
2,4-Dimethylphenol	79.7	20	3.5	ug/l	100		80	40-120			
Dimethyl phthalate	96.5	10	2.5	ug/l	100		97	30-120			
4,6-Dinitro-2-methylphenol	86.4	20	4.0	ug/l	100		86	45-120			
2,4-Dinitrophenol	76.1	20	8.0	ug/l	100		76	40-120			
2,4-Dinitrotoluene	97.9	10	3.5	ug/l	100		98	65-120			
2,6-Dinitrotoluene	96.5	10	2.0	ug/l	100		96	65-120			
Di-n-octyl phthalate	87.7	20	3.5	ug/l	100		88	65-135			
1,2-Diphenylhydrazine/Azobenzene	91.8	20	2.5	ug/l	100		92	60-120			
Fluoranthene	98.8	10	3.0	ug/l	100		99	60-120			
Fluorene	96.9	10	3.0	ug/l	100		97	65-120			
Hexachlorobenzene	107	10	3.0	ug/l	100		107	60-120			
Hexachlorobutadiene	68.0	10	4.0	ug/l	100		68	40-120			
Hexachlorocyclopentadiene	58.6	20	5.0	ug/l	100		59	25-120			
Hexachloroethane	56.4	10	3.5	ug/l	100		56	35-120			
Indeno(1,2,3-cd)pyrene	103	20	3.5	ug/l	100		103	45-135			
Isophorone	92.6	10	3.0	ug/l	100		93	50-120			
2-Methylnaphthalene	84.0	10	2.0	ug/l	100		84	55-120			
2-Methylphenol	86.2	10	3.0	ug/l	100		86	50-120			
4-Methylphenol	88.3	10	3.0	ug/l	100		88	50-120			
Naphthalene	83.0	10	3.0	ug/l	100		83	55-120			
2-Nitroaniline	97.7	20	2.0	ug/l	100		98	65-120			
3-Nitroaniline	105	20	3.0	ug/l	100		105	60-120			
4-Nitroaniline	106	20	4.0	ug/l	100		106	55-125			
Nitrobenzene	83.6	20	3.0	ug/l	100		84	55-120			
2-Nitrophenol	89.0	10	3.5	ug/l	100		89	50-120			
4-Nitrophenol	106	20	5.5	ug/l	100		106	45-120			
N-Nitroso-di-n-propylamine	76.3	10	3.5	ug/l	100		76	45-120			
N-Nitrosodimethylamine	83.8	20	2.5	ug/l	100		84	45-120			
N-Nitrosodiphenylamine	97.2	10	2.0	ug/l	100		97	60-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Analyzed: 09/08/2011 (11I0491-BS1)											**MNR1**
Pentachlorophenol	85.8	20	3.5	ug/l	100		86	24-121			
Phenanthrene	97.7	10	3.5	ug/l	100		98	65-120			
Phenol	84.1	10	2.0	ug/l	100		84	40-120			
Pyrene	91.8	10	4.0	ug/l	100		92	55-125			
Pyridine	63.3	20	2.5	ug/l	100		63	30-120			
1,2,4-Trichlorobenzene	71.0	10	2.5	ug/l	100		71	45-120			
2,4,5-Trichlorophenol	97.7	20	3.0	ug/l	100		98	55-120			
2,4,6-Trichlorophenol	104	20	4.5	ug/l	100		104	55-120			
Surrogate: 2,4,6-Tribromophenol	*218*			*ug/l*	*200*		*109*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*93.8*			*ug/l*	*100*		*94*	*50-120*			
Surrogate: 2-Fluorophenol	*154*			*ug/l*	*200*		*77*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.4*			*ug/l*	*100*		*87*	*45-120*			
Surrogate: Phenol-d6	*164*			*ug/l*	*200*		*82*	*35-120*			
Surrogate: Terphenyl-d14	*84.5*			*ug/l*	*100*		*84*	*50-125*			
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Acenaphthene	96.7	10	3.0	ug/l	100		97	60-120	1	20	
Acenaphthylene	105	10	3.0	ug/l	100		105	60-120	0.1	20	
Aniline	92.1	10	3.5	ug/l	100		92	35-120	10	30	
Anthracene	99.0	10	2.5	ug/l	100		99	65-120	0.2	20	
Benzo(a)anthracene	99.7	10	2.5	ug/l	100		100	65-120	2	20	
Benzo(a)pyrene	107	10	3.0	ug/l	100		107	55-130	0.8	25	
Benzo(b)fluoranthene	90.0	10	2.0	ug/l	100		90	55-125	3	25	
Benzo(g,h,i)perylene	112	10	4.0	ug/l	100		112	45-135	3	25	
Benzo(k)fluoranthene	101	10	2.5	ug/l	100		101	50-125	2	20	
Benzoic acid	72.6	20	10	ug/l	100		73	25-120	8	30	
Benzyl alcohol	93.2	20	3.5	ug/l	100		93	50-120	20	20	
4-Bromophenyl phenyl ether	99.3	10	3.0	ug/l	100		99	60-120	1	25	
Butyl benzyl phthalate	94.0	20	4.0	ug/l	100		94	55-130	2	20	
4-Chloro-3-methylphenol	97.8	20	2.5	ug/l	100		98	60-120	3	25	
4-Chloroaniline	96.2	10	2.0	ug/l	100		96	55-120	4	25	
Bis(2-chloroethoxy)methane	85.2	10	3.0	ug/l	100		85	55-120	1	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Bis(2-chloroethyl)ether	77.8	10	3.0	ug/l	100		78	50-120	1	20	
Bis(2-chloroisopropyl)ether	77.4	10	2.5	ug/l	100		77	45-120	3	20	
Bis(2-ethylhexyl)phthalate	99.8	50	4.0	ug/l	100		100	65-130	0.5	20	
2-Chloronaphthalene	94.6	10	3.0	ug/l	100		95	60-120	3	20	
2-Chlorophenol	82.7	10	3.0	ug/l	100		83	45-120	4	25	
4-Chlorophenyl phenyl ether	99.2	10	2.5	ug/l	100		99	65-120	2	20	
Chrysene	101	10	2.5	ug/l	100		101	65-120	5	20	
Dibenz(a,h)anthracene	111	20	3.0	ug/l	100		111	50-135	2	25	
Dibenzofuran	95.6	10	4.0	ug/l	100		96	65-120	0.9	20	
Di-n-butyl phthalate	93.8	20	3.0	ug/l	100		94	60-125	3	20	
1,2-Dichlorobenzene	66.8	10	3.0	ug/l	100		67	40-120	5	25	
1,3-Dichlorobenzene	57.6	10	3.0	ug/l	100		58	35-120	5	25	
1,4-Dichlorobenzene	63.8	10	2.5	ug/l	100		64	35-120	1	25	
2,2'-/4,4'-Dichlorobenzil	91.6	10	4.5	ug/l	100		92	50-130	3	30	
3,3'-Dichlorobenzidine	104	20	7.5	ug/l	100		104	45-135	6	25	
2,4-Dichlorophenol	90.6	10	3.5	ug/l	100		91	55-120	0.09	20	
Diethyl phthalate	92.3	10	3.5	ug/l	100		92	55-120	2	30	
2,4-Dimethylphenol	86.3	20	3.5	ug/l	100		86	40-120	8	25	
Dimethyl phthalate	99.6	10	2.5	ug/l	100		100	30-120	3	30	
4,6-Dinitro-2-methylphenol	82.1	20	4.0	ug/l	100		82	45-120	5	25	
2,4-Dinitrophenol	60.1	20	8.0	ug/l	100		60	40-120	23	25	
2,4-Dinitrotoluene	97.6	10	3.5	ug/l	100		98	65-120	0.3	20	
2,6-Dinitrotoluene	94.6	10	2.0	ug/l	100		95	65-120	2	20	
Di-n-octyl phthalate	86.9	20	3.5	ug/l	100		87	65-135	0.8	20	
1,2-Diphenylhydrazine/Azobenzene	90.3	20	2.5	ug/l	100		90	60-120	2	25	
Fluoranthene	107	10	3.0	ug/l	100		107	60-120	8	20	
Fluorene	94.7	10	3.0	ug/l	100		95	65-120	2	20	
Hexachlorobenzene	105	10	3.0	ug/l	100		105	60-120	2	20	
Hexachlorobutadiene	70.2	10	4.0	ug/l	100		70	40-120	3	25	
Hexachlorocyclopentadiene	52.8	20	5.0	ug/l	100		53	25-120	10	30	
Hexachloroethane	55.2	10	3.5	ug/l	100		55	35-120	2	25	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
LCS Dup Analyzed: 09/08/2011 (11I0491-BSD1)											
Indeno(1,2,3-cd)pyrene	106	20	3.5	ug/l	100		106	45-135	3	25	
Isophorone	95.1	10	3.0	ug/l	100		95	50-120	3	20	
2-Methylnaphthalene	82.6	10	2.0	ug/l	100		83	55-120	2	20	
2-Methylphenol	82.2	10	3.0	ug/l	100		82	50-120	5	20	
4-Methylphenol	86.6	10	3.0	ug/l	100		87	50-120	2	20	
Naphthalene	85.3	10	3.0	ug/l	100		85	55-120	3	20	
2-Nitroaniline	95.2	20	2.0	ug/l	100		95	65-120	3	20	
3-Nitroaniline	99.6	20	3.0	ug/l	100		100	60-120	5	25	
4-Nitroaniline	99.0	20	4.0	ug/l	100		99	55-125	7	20	
Nitrobenzene	90.1	20	3.0	ug/l	100		90	55-120	8	25	
2-Nitrophenol	91.9	10	3.5	ug/l	100		92	50-120	3	25	
4-Nitrophenol	98.9	20	5.5	ug/l	100		99	45-120	7	30	
N-Nitroso-di-n-propylamine	74.5	10	3.5	ug/l	100		74	45-120	2	20	
N-Nitrosodimethylamine	84.1	20	2.5	ug/l	100		84	45-120	0.3	20	
N-Nitrosodiphenylamine	92.8	10	2.0	ug/l	100		93	60-120	5	20	
Pentachlorophenol	80.4	20	3.5	ug/l	100		80	24-121	7	25	
Phenanthrene	97.1	10	3.5	ug/l	100		97	65-120	0.6	20	
Phenol	81.8	10	2.0	ug/l	100		82	40-120	3	25	
Pyrene	89.9	10	4.0	ug/l	100		90	55-125	2	25	
Pyridine	43.5	20	2.5	ug/l	100		44	30-120	37	30	*R-7*
1,2,4-Trichlorobenzene	72.8	10	2.5	ug/l	100		73	45-120	2	20	
2,4,5-Trichlorophenol	106	20	3.0	ug/l	100		106	55-120	8	30	
2,4,6-Trichlorophenol	103	20	4.5	ug/l	100		103	55-120	1	30	
Surrogate: 2,4,6-Tribromophenol	*213*			*ug/l*	*200*		*107*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*100*			*ug/l*	*100*		*100*	*50-120*			
Surrogate: 2-Fluorophenol	*147*			*ug/l*	*200*		*74*	*30-120*			
Surrogate: Nitrobenzene-d5	*87.7*			*ug/l*	*100*		*88*	*45-120*			
Surrogate: Phenol-d6	*159*			*ug/l*	*200*		*80*	*35-120*			
Surrogate: Terphenyl-d14	*83.7*			*ug/l*	*100*		*84*	*50-125*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0492 Extracted: 09/06/11											
Blank Analyzed: 09/07/2011 (11I0492-BLK1)											
1,4-Dioxane	ND	1.0	0.30	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.66*			*ug/l*	*2.00*		*83*	*30-120*			
LCS Analyzed: 09/07/2011 (11I0492-BS1)											**MNR1**
1,4-Dioxane	1.44	1.0	0.30	ug/l	2.00		72	35-120			
Surrogate: 1,4-Dioxane-d8	*1.45*			*ug/l*	*2.00*		*73*	*30-120*			
LCS Dup Analyzed: 09/07/2011 (11I0492-BSD1)											
1,4-Dioxane	1.55	1.0	0.30	ug/l	2.00		77	35-120	7	25	
Surrogate: 1,4-Dioxane-d8	*1.56*			*ug/l*	*2.00*		*78*	*30-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

CHLOROACETALDEHYDES BY GC/MS (EPA 8270C MOD/Micro-Extraction)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0680 Extracted: 09/07/11											
Blank Analyzed: 09/08/2011 (11I0680-BLK1)											
Dichloroacetaldehyde	ND	350	40	ug/l							
Trichloroacetaldehyde	ND	150	27	ug/l							
Surrogate: 1,4-Dioxane-d8	*543*			*ug/l*	*667*		*81*	*20-120*			
LCS Analyzed: 09/08/2011 (11I0680-BS1)											**MNR1**
Dichloroacetaldehyde	196	350	40	ug/l	667		29	10-120			*Jb*
Trichloroacetaldehyde	613	150	27	ug/l	667		92	20-120			
Surrogate: 1,4-Dioxane-d8	*441*			*ug/l*	*667*		*66*	*20-120*			
LCS Dup Analyzed: 09/08/2011 (11I0680-BSD1)											
Dichloroacetaldehyde	198	350	40	ug/l	667		30	10-120	1	30	*Jb*
Trichloroacetaldehyde	609	150	27	ug/l	667		91	20-120	0.6	30	
Surrogate: 1,4-Dioxane-d8	*435*			*ug/l*	*667*		*65*	*20-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0491 Extracted: 09/06/11											
Blank Analyzed: 09/08/2011 (11I0491-BLK1)											
10-Methyleicosane	ND	50	N/A	ug/l							
137888-36-9	ND	50	N/A	ug/l							*A-01*
8-Hexylpentadecane	ND	50	N/A	ug/l							
9-Octylheptadecane	ND	50	N/A	ug/l							
Chlorobenzene	ND	50	N/A	ug/l							
Docosane	ND	50	N/A	ug/l							
Heneicosane	ND	50	N/A	ug/l							
N-Butylbenzenesulfonamide	ND	50	N/A	ug/l							
Octacosane	ND	50	N/A	ug/l							
Octadecane	ND	50	N/A	ug/l							
Pentacosane	ND	50	N/A	ug/l							
Tetracosane	ND	50	N/A	ug/l							
Tetracosane isomer1	ND	50	N/A	ug/l							
Tri(2-chloroethyl) phosphate	ND	50	N/A	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

CARBONYL COMPOUNDS BY HPLC (EPA 8315A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0276 Extracted: 09/02/11											
Blank Analyzed: 09/07/2011 (11I0276-BLK1)											
Formaldehyde	ND	0.010	0.0026	mg/l							
Acetaldehyde	ND	0.010	0.0038	mg/l							
Chloroacetaldehyde	ND	0.010	0.0034	mg/l							
LCS Analyzed: 09/07/2011 (11I0276-BS1)											
Formaldehyde	0.0498	0.010	0.0026	mg/l	0.0500		100	50-150			
Acetaldehyde	0.0614	0.010	0.0038	mg/l	0.0500		123	50-150			
Chloroacetaldehyde	0.0430	0.010	0.0034	mg/l	0.0500		86	50-150			
Matrix Spike Analyzed: 09/07/2011 (11I0276-MS1)						**Source: IUI0011-03**					
Formaldehyde	0.0460	0.010	0.0026	mg/l	0.0500	ND	92	50-150			
Acetaldehyde	0.0562	0.010	0.0038	mg/l	0.0500	ND	112	50-150			
Chloroacetaldehyde	0.0312	0.010	0.0034	mg/l	0.0500	ND	62	50-150			
Matrix Spike Dup Analyzed: 09/07/2011 (11I0276-MSD1)						**Source: IUI0011-03**					
Formaldehyde	0.0535	0.010	0.0026	mg/l	0.0500	ND	107	50-150	15	20	
Acetaldehyde	0.0641	0.010	0.0038	mg/l	0.0500	ND	128	50-150	13	20	
Chloroacetaldehyde	0.0421	0.010	0.0034	mg/l	0.0500	ND	84	50-150	30	20	*R-3*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
Blank Analyzed: 09/07/2011 (11I0569-BLK1)											
2,4'-DDD	ND	0.10	0.020	ug/l							
2,4'-DDE	ND	0.10	0.020	ug/l							
2,4'-DDT	ND	0.10	0.020	ug/l							
4,4'-DDD	ND	0.10	0.020	ug/l							
4,4'-DDE	ND	0.10	0.020	ug/l							
4,4'-DDT	ND	0.10	0.020	ug/l							
Aldrin	ND	0.10	0.020	ug/l							
alpha-BHC	ND	0.10	0.020	ug/l							
beta-BHC	ND	0.10	0.030	ug/l							
delta-BHC	ND	0.20	0.020	ug/l							
Dieldrin	ND	0.10	0.020	ug/l							
Endosulfan I	ND	0.10	0.020	ug/l							
Endosulfan II	ND	0.10	0.020	ug/l							
Endosulfan sulfate	ND	0.20	0.020	ug/l							
Endrin	ND	0.10	0.020	ug/l							
Endrin aldehyde	ND	0.10	0.020	ug/l							
Endrin ketone	ND	0.10	0.040	ug/l							
gamma-BHC (Lindane)	ND	0.10	0.020	ug/l							
Heptachlor	ND	0.10	0.030	ug/l							
Heptachlor epoxide	ND	0.10	0.030	ug/l							
Methoxychlor	ND	0.10	0.020	ug/l							
Chlordane	ND	1.0	0.20	ug/l							
Toxaphene	ND	5.0	0.50	ug/l							
Surrogate: Decachlorobiphenyl	*0.409*			*ug/l*	*0.500*		*82*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.398*			*ug/l*	*0.500*		*80*	*35-120*			
LCS Analyzed: 09/07/2011 (11I0569-BS1)											**MNR1**
2,4'-DDD	0.489	0.10	0.020	ug/l	0.500		98	55-120			
2,4'-DDE	0.473	0.10	0.020	ug/l	0.500		95	50-120			
2,4'-DDT	0.513	0.10	0.020	ug/l	0.500		103	55-120			
4,4'-DDD	0.514	0.10	0.020	ug/l	0.500		103	55-120			
4,4'-DDE	0.501	0.10	0.020	ug/l	0.500		100	50-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
LCS Analyzed: 09/07/2011 (11I0569-BS1)											**MNR1**
4,4'-DDT	0.485	0.10	0.020	ug/l	0.500		97	55-120			
Aldrin	0.474	0.10	0.020	ug/l	0.500		95	40-115			
alpha-BHC	0.441	0.10	0.020	ug/l	0.500		88	45-115			
beta-BHC	0.456	0.10	0.030	ug/l	0.500		91	55-115			
delta-BHC	0.459	0.20	0.020	ug/l	0.500		92	55-115			
Dieldrin	0.494	0.10	0.020	ug/l	0.500		99	55-115			
Endosulfan I	0.463	0.10	0.020	ug/l	0.500		93	55-115			
Endosulfan II	0.475	0.10	0.020	ug/l	0.500		95	55-120			
Endosulfan sulfate	0.484	0.20	0.020	ug/l	0.500		97	60-120			
Endrin	0.511	0.10	0.020	ug/l	0.500		102	55-115			
Endrin aldehyde	0.497	0.10	0.020	ug/l	0.500		99	50-120			
Endrin ketone	0.497	0.10	0.040	ug/l	0.500		99	55-120			
gamma-BHC (Lindane)	0.488	0.10	0.020	ug/l	0.500		98	45-115			
Heptachlor	0.485	0.10	0.030	ug/l	0.500		97	45-115			
Heptachlor epoxide	0.465	0.10	0.030	ug/l	0.500		93	55-115			
Methoxychlor	0.519	0.10	0.020	ug/l	0.500		104	60-120			
Surrogate: Decachlorobiphenyl	*0.417*			*ug/l*	*0.500*		*83*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.434*			*ug/l*	*0.500*		*87*	*35-120*			
LCS Dup Analyzed: 09/07/2011 (11I0569-BSD1)											
2,4'-DDD	0.498	0.10	0.020	ug/l	0.500		100	55-120	2	30	
2,4'-DDE	0.479	0.10	0.020	ug/l	0.500		96	50-120	1	30	
2,4'-DDT	0.514	0.10	0.020	ug/l	0.500		103	55-120	0.3	30	
4,4'-DDD	0.525	0.10	0.020	ug/l	0.500		105	55-120	2	30	
4,4'-DDE	0.509	0.10	0.020	ug/l	0.500		102	50-120	1	30	
4,4'-DDT	0.485	0.10	0.020	ug/l	0.500		97	55-120	0.04	30	
Aldrin	0.476	0.10	0.020	ug/l	0.500		95	40-115	0.4	30	
alpha-BHC	0.445	0.10	0.020	ug/l	0.500		89	45-115	0.8	30	
beta-BHC	0.462	0.10	0.030	ug/l	0.500		92	55-115	1	30	
delta-BHC	0.462	0.20	0.020	ug/l	0.500		92	55-115	0.7	30	
Dieldrin	0.501	0.10	0.020	ug/l	0.500		100	55-115	1	30	
Endosulfan I	0.469	0.10	0.020	ug/l	0.500		94	55-115	1	30	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
LCS Dup Analyzed: 09/07/2011 (11I0569-BSD1)											
Endosulfan II	0.483	0.10	0.020	ug/l	0.500		97	55-120	2	30	
Endosulfan sulfate	0.496	0.20	0.020	ug/l	0.500		99	60-120	2	30	
Endrin	0.509	0.10	0.020	ug/l	0.500		102	55-115	0.3	30	
Endrin aldehyde	0.509	0.10	0.020	ug/l	0.500		102	50-120	2	30	
Endrin ketone	0.509	0.10	0.040	ug/l	0.500		102	55-120	2	30	
gamma-BHC (Lindane)	0.490	0.10	0.020	ug/l	0.500		98	45-115	0.5	30	
Heptachlor	0.480	0.10	0.030	ug/l	0.500		96	45-115	1	30	
Heptachlor epoxide	0.471	0.10	0.030	ug/l	0.500		94	55-115	1	30	
Methoxychlor	0.519	0.10	0.020	ug/l	0.500		104	60-120	0.2	30	
Surrogate: Decachlorobiphenyl	*0.423*			*ug/l*	*0.500*		*85*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.423*			*ug/l*	*0.500*		*85*	*35-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0569 Extracted: 09/07/11											
Blank Analyzed: 09/07/2011 (11I0569-BLK1)											
Aroclor 1016	ND	1.0	0.25	ug/l							
Aroclor 1221	ND	1.0	0.25	ug/l							
Aroclor 1232	ND	1.0	0.25	ug/l							
Aroclor 1242	ND	1.0	0.25	ug/l							
Aroclor 1248	ND	1.0	0.25	ug/l							
Aroclor 1254	ND	1.0	0.25	ug/l							
Aroclor 1260	ND	1.0	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.370*			*ug/l*	*0.500*		*74*	*45-120*			
LCS Analyzed: 09/07/2011 (11I0569-BS2)											**MNR1**
Aroclor 1016	3.61	1.0	0.25	ug/l	4.00		90	50-115			
Aroclor 1260	3.19	1.0	0.25	ug/l	4.00		80	60-120			
Surrogate: Decachlorobiphenyl	*0.397*			*ug/l*	*0.500*		*79*	*45-120*			
LCS Dup Analyzed: 09/07/2011 (11I0569-BSD2)											
Aroclor 1016	3.59	1.0	0.25	ug/l	4.00		90	50-115	0.7	30	
Aroclor 1260	3.11	1.0	0.25	ug/l	4.00		78	60-120	3	25	
Surrogate: Decachlorobiphenyl	*0.393*			*ug/l*	*0.500*		*79*	*45-120*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0131 Extracted: 09/01/11											
Blank Analyzed: 09/01/2011 (11I0131-BLK1)											
Mercury	ND	0.00020	0.00010	mg/l							
LCS Analyzed: 09/01/2011 (11I0131-BS1)											
Mercury	0.00900	0.00020	0.00010	mg/l	0.00800		112	80-120			
Matrix Spike Analyzed: 09/01/2011 (11I0131-MS1)						**Source: IUH3043-01**					
Mercury	0.00886	0.00020	0.00010	mg/l	0.00800	0.000478	105	70-130			
Matrix Spike Dup Analyzed: 09/01/2011 (11I0131-MSD1)						**Source: IUH3043-01**					
Mercury	0.00892	0.00020	0.00010	mg/l	0.00800	0.000478	105	70-130	0.7	20	
Batch: 11I0339 Extracted: 09/02/11											
Blank Analyzed: 09/06/2011 (11I0339-BLK1)											
Aluminum	ND	10	8.5	ug/l							
Uranium	ND	1.0	0.20	ug/l							
Antimony	ND	2.0	0.30	ug/l							
Arsenic	ND	1.0	0.90	ug/l							
Barium	ND	1.0	0.30	ug/l							
Beryllium	ND	0.50	0.10	ug/l							
Cadmium	ND	1.0	0.10	ug/l							
Chromium	ND	2.0	0.90	ug/l							
Cobalt	ND	1.0	0.10	ug/l							
Copper	ND	2.0	0.50	ug/l							
Lead	ND	1.0	0.20	ug/l							
Molybdenum	0.514	2.0	0.20	ug/l							*Jb*
Nickel	ND	2.0	0.50	ug/l							
Selenium	ND	2.0	0.50	ug/l							
Silver	ND	1.0	0.10	ug/l							
Thallium	ND	1.0	0.20	ug/l							
Vanadium	ND	2.0	0.80	ug/l							
Zinc	ND	20	4.0	ug/l							

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0339 Extracted: 09/02/11											
LCS Analyzed: 09/06/2011 (11I0339-BS1)											
Aluminum	76.8	10	8.5	ug/l	80.0		96	80-120			
Uranium	79.2	1.0	0.20	ug/l	80.0		99	85-115			
Antimony	84.8	2.0	0.30	ug/l	80.0		106	80-120			
Arsenic	78.0	1.0	0.90	ug/l	80.0		97	80-120			
Barium	78.1	1.0	0.30	ug/l	80.0		98	80-120			
Beryllium	78.2	0.50	0.10	ug/l	80.0		98	80-120			
Cadmium	79.1	1.0	0.10	ug/l	80.0		99	80-120			
Chromium	78.0	2.0	0.90	ug/l	80.0		97	80-120			
Cobalt	79.8	1.0	0.10	ug/l	80.0		100	80-120			
Copper	77.8	2.0	0.50	ug/l	80.0		97	80-120			
Lead	80.1	1.0	0.20	ug/l	80.0		100	80-120			
Molybdenum	78.4	2.0	0.20	ug/l	80.0		98	80-120			
Nickel	78.5	2.0	0.50	ug/l	80.0		98	80-120			
Selenium	78.6	2.0	0.50	ug/l	80.0		98	80-120			
Silver	84.9	1.0	0.10	ug/l	80.0		106	80-120			
Thallium	77.7	1.0	0.20	ug/l	80.0		97	80-120			
Vanadium	78.8	2.0	0.80	ug/l	80.0		98	80-120			
Zinc	76.9	20	4.0	ug/l	80.0		96	80-120			
Matrix Spike Analyzed: 09/06/2011 (11I0339-MS1)						**Source: IUI0132-01**					
Aluminum	116	50	42	ug/l	80.0	46.6	87	75-125			
Uranium	85.9	5.0	1.0	ug/l	80.0	1.55	105	70-130			
Antimony	88.5	10	1.5	ug/l	80.0	ND	111	75-125			
Arsenic	73.4	5.0	4.5	ug/l	80.0	ND	92	75-125			
Barium	5040	5.0	1.5	ug/l	80.0	4950	119	75-125			*MHA*
Beryllium	79.9	2.5	0.50	ug/l	80.0	ND	100	75-125			
Cadmium	76.8	5.0	0.50	ug/l	80.0	ND	96	75-125			
Chromium	80.2	10	4.5	ug/l	80.0	4.89	94	75-125			
Cobalt	78.0	5.0	0.50	ug/l	80.0	3.08	94	75-125			
Copper	80.0	10	2.5	ug/l	80.0	9.30	88	75-125			
Lead	77.3	5.0	1.0	ug/l	80.0	ND	97	75-125			
Molybdenum	83.9	10	1.0	ug/l	80.0	5.00	99	75-125			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0339 Extracted: 09/02/11											
Matrix Spike Analyzed: 09/06/2011 (11I0339-MS1)						**Source: IUI0132-01**					
Nickel	102	10	2.5	ug/l	80.0	32.7	87	75-125			
Selenium	24.1	10	2.5	ug/l	80.0	ND	30	75-125			*M2*
Silver	81.1	5.0	0.50	ug/l	80.0	ND	101	75-125			
Thallium	76.6	5.0	1.0	ug/l	80.0	ND	96	75-125			
Vanadium	80.8	10	4.0	ug/l	80.0	ND	101	75-125			
Zinc	76.0	100	20	ug/l	80.0	ND	95	75-125			*Jb*
Matrix Spike Dup Analyzed: 09/06/2011 (11I0339-MSD1)						**Source: IUI0132-01**					
Aluminum	116	50	42	ug/l	80.0	46.6	87	75-125	0.3	20	
Uranium	84.0	5.0	1.0	ug/l	80.0	1.55	103	70-130	2	20	
Antimony	88.0	10	1.5	ug/l	80.0	ND	110	75-125	0.6	20	
Arsenic	74.5	5.0	4.5	ug/l	80.0	ND	93	75-125	1	20	
Barium	5030	5.0	1.5	ug/l	80.0	4950	106	75-125	0.2	20	*MHA*
Beryllium	85.7	2.5	0.50	ug/l	80.0	ND	107	75-125	7	20	
Cadmium	75.0	5.0	0.50	ug/l	80.0	ND	94	75-125	2	20	
Chromium	80.8	10	4.5	ug/l	80.0	4.89	95	75-125	0.7	20	
Cobalt	78.7	5.0	0.50	ug/l	80.0	3.08	95	75-125	0.9	20	
Copper	79.5	10	2.5	ug/l	80.0	9.30	88	75-125	0.6	20	
Lead	75.9	5.0	1.0	ug/l	80.0	ND	95	75-125	2	20	
Molybdenum	85.2	10	1.0	ug/l	80.0	5.00	100	75-125	2	20	
Nickel	104	10	2.5	ug/l	80.0	32.7	90	75-125	2	20	
Selenium	21.0	10	2.5	ug/l	80.0	ND	26	75-125	14	20	*M2*
Silver	80.6	5.0	0.50	ug/l	80.0	ND	101	75-125	0.6	20	
Thallium	75.6	5.0	1.0	ug/l	80.0	ND	94	75-125	1	20	
Vanadium	80.7	10	4.0	ug/l	80.0	ND	101	75-125	0.1	20	
Zinc	75.8	100	20	ug/l	80.0	ND	95	75-125	0.3	20	*Jb*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0507 Extracted: 09/06/11											
Blank Analyzed: 09/06/2011-09/07/2011 (11I0507-BLK1)											
Boron	ND	0.050	0.020	mg/l							
Calcium	ND	0.10	0.050	mg/l							
Iron	ND	0.040	0.015	mg/l							
Lithium	ND	0.050	0.030	mg/l							
Magnesium	ND	0.020	0.012	mg/l							
Phosphorus	ND	0.040	0.020	mg/l							
Potassium	ND	0.50	0.37	mg/l							
Sodium	ND	0.50	0.19	mg/l							
Strontium	ND	0.020	0.0050	mg/l							
Tin	ND	0.10	0.012	mg/l							
Titanium	ND	0.0050	0.0020	mg/l							
LCS Analyzed: 09/06/2011-09/07/2011 (11I0507-BS1)											
Boron	0.977	0.050	0.020	mg/l	1.00		98	80-120			
Calcium	5.03	0.10	0.050	mg/l	5.00		101	80-120			
Iron	0.989	0.040	0.015	mg/l	1.00		99	80-120			
Lithium	1.00	0.050	0.030	mg/l	1.00		100	80-120			
Magnesium	5.20	0.020	0.012	mg/l	5.00		104	80-120			
Phosphorus	0.971	0.040	0.020	mg/l	1.00		97	80-120			
Potassium	9.76	0.50	0.37	mg/l	10.0		98	80-120			
Sodium	9.63	0.50	0.19	mg/l	10.0		96	80-120			*M-3*
Strontium	0.955	0.020	0.0050	mg/l	1.00		96	80-120			
Tin	0.983	0.10	0.012	mg/l	1.00		98	80-120			
Titanium	0.933	0.0050	0.0020	mg/l	1.00		93	80-120			
Matrix Spike Analyzed: 09/06/2011-09/07/2011 (11I0507-MS1)						**Source: IUI0011-03**					
Boron	1.79	0.050	0.020	mg/l	1.00	0.765	102	75-125			
Calcium	264	0.10	0.050	mg/l	5.00	256	162	75-125			*MHA*
Iron	3.07	0.040	0.015	mg/l	1.00	1.54	153	75-125			*M1*
Lithium	1.04	0.050	0.030	mg/l	1.00	0.131	91	75-125			
Magnesium	133	0.020	0.012	mg/l	5.00	126	134	75-125			*MHA*
Phosphorus	1.26	0.040	0.020	mg/l	1.00	0.195	107	75-125			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0507 Extracted: 09/06/11											
Matrix Spike Analyzed: 09/06/2011-09/07/2011 (11I0507-MS1)						**Source: IUI0011-03**					
Potassium	34.2	0.50	0.37	mg/l	10.0	21.7	125	75-125			
Strontium	8.20	0.020	0.0050	mg/l	1.00	7.11	110	75-125			*MHA*
Tin	0.986	0.10	0.012	mg/l	1.00	ND	99	75-125			
Titanium	1.00	0.0050	0.0020	mg/l	1.00	0.0188	98	75-125			
Matrix Spike Dup Analyzed: 09/06/2011-09/07/2011 (11I0507-MSD1)						**Source: IUI0011-03**					
Boron	1.79	0.050	0.020	mg/l	1.00	0.765	103	75-125	0.2	20	
Calcium	260	0.10	0.050	mg/l	5.00	256	84	75-125	1	20	*MHA*
Iron	2.77	0.040	0.015	mg/l	1.00	1.54	123	75-125	10	20	
Lithium	1.04	0.050	0.030	mg/l	1.00	0.131	91	75-125	0.03	20	
Magnesium	132	0.020	0.012	mg/l	5.00	126	115	75-125	0.7	20	*MHA*
Phosphorus	1.25	0.040	0.020	mg/l	1.00	0.195	106	75-125	1	20	
Potassium	33.9	0.50	0.37	mg/l	10.0	21.7	122	75-125	0.7	20	
Strontium	8.11	0.020	0.0050	mg/l	1.00	7.11	101	75-125	1	20	*MHA*
Tin	0.979	0.10	0.012	mg/l	1.00	ND	98	75-125	0.8	20	
Titanium	0.989	0.0050	0.0020	mg/l	1.00	0.0188	97	75-125	1	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

DISSOLVED INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0104 Extracted: 09/01/11											
Blank Analyzed: 09/01/2011 (11I0104-BLK1)											
Chromium VI	ND	0.0020	0.00025	mg/l							
LCS Analyzed: 09/01/2011 (11I0104-BS1)											
Chromium VI	0.0518	0.0020	0.00025	mg/l	0.0500		104	90-110			
Matrix Spike Analyzed: 09/01/2011 (11I0104-MS1)						**Source: IUI0011-03**					
Chromium VI	0.0566	0.0020	0.00025	mg/l	0.0500	0.00574	102	85-115			
Matrix Spike Dup Analyzed: 09/01/2011 (11I0104-MSD1)						**Source: IUI0011-03**					
Chromium VI	0.0566	0.0020	0.00025	mg/l	0.0500	0.00574	102	85-115	0.04	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0070 Extracted: 09/01/11											
Blank Analyzed: 09/01/2011 (11I0070-BLK1)											
Chloride	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/01/2011 (11I0070-BS1)											
Chloride	4.92	0.50	0.30	mg/l	5.00		98	90-110			*M-3*
Duplicate Analyzed: 09/01/2011 (11I0070-DUP1)						**Source: IUI0011-03RE1**					
Chloride	1680	50	30	mg/l		1660			1	200	
Matrix Spike Analyzed: 09/01/2011 (11I0070-MS1)						**Source: IUI0009-03**					
Chloride	98.6	10	6.0	mg/l	50.0	52.8	92	80-120			
Matrix Spike Dup Analyzed: 09/01/2011 (11I0070-MSD1)						**Source: IUI0009-03**					
Chloride	98.4	10	6.0	mg/l	50.0	52.8	91	80-120	0.2	20	
Batch: 11I0071 Extracted: 09/01/11											
Blank Analyzed: 09/01/2011 (11I0071-BLK1)											
Bromide	ND	0.50	0.35	mg/l							
Fluoride	ND	0.50	0.15	mg/l							
Nitrate-N	ND	0.11	0.060	mg/l							
Nitrite-N	ND	0.15	0.090	mg/l							
Orthophosphate - P	ND	0.16	0.13	mg/l							
Sulfate	ND	0.50	0.30	mg/l							
LCS Analyzed: 09/01/2011 (11I0071-BS1)											
Bromide	4.97	0.50	0.35	mg/l	5.00		99	90-110			
Fluoride	4.88	0.50	0.15	mg/l	5.00		98	90-110			
Nitrate-N	1.12	0.11	0.060	mg/l	1.13		99	90-110			
Nitrite-N	1.49	0.15	0.090	mg/l	1.52		98	90-110			
Orthophosphate - P	1.66	0.16	0.13	mg/l	1.63		102	90-110			
Sulfate	9.75	0.50	0.30	mg/l	10.0		97	90-110			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0071 Extracted: 09/01/11											
Duplicate Analyzed: 09/01/2011 (11I0071-DUP1)						**Source: IUI0011-03**					
Bromide	2.92	2.5	1.8	mg/l		2.54			14	200	
Fluoride	1.87	2.5	0.75	mg/l		1.83			2	200	*Jb*
Nitrate-N	0.464	0.55	0.30	mg/l		0.494			6	200	*Jb*
Nitrite-N	ND	0.75	0.45	mg/l		ND				200	
Orthophosphate - P	ND	0.80	0.65	mg/l		ND				200	
Sulfate	636	10	6.0	mg/l		642			1	200	
Matrix Spike Analyzed: 09/01/2011 (11I0071-MS1)						**Source: IUI0051-07**					
Bromide	7.06	2.5	1.8	mg/l	5.00	1.28	115	80-120			
Fluoride	5.46	2.5	0.75	mg/l	5.00	0.549	98	80-120			
Nitrate-N	1.31	0.55	0.30	mg/l	1.13	ND	116	80-120			
Nitrite-N	2.33	0.75	0.45	mg/l	1.52	ND	153	80-120			*M1*
Orthophosphate - P	2.12	0.80	0.65	mg/l	1.63	ND	130	80-120			*M1*
Sulfate	51.5	2.5	1.5	mg/l	10.0	41.8	96	80-120			*MHA*
Matrix Spike Analyzed: 09/02/2011 (11I0071-MS2)						**Source: IUI0091-03**					
Bromide	47.5	5.0	3.5	mg/l	50.0	ND	95	80-120			
Fluoride	46.7	5.0	1.5	mg/l	50.0	2.25	89	80-120			
Nitrate-N	18.8	1.1	0.60	mg/l	11.3	8.29	93	80-120			
Nitrite-N	14.7	1.5	0.90	mg/l	15.2	ND	97	80-120			
Orthophosphate - P	20.6	1.6	1.3	mg/l	16.3	2.42	112	80-120			
Sulfate	182	5.0	3.0	mg/l	100	87.8	94	80-120			
Matrix Spike Dup Analyzed: 09/01/2011 (11I0071-MSD1)						**Source: IUI0051-07**					
Bromide	6.77	2.5	1.8	mg/l	5.00	1.28	110	80-120	4	20	
Fluoride	5.47	2.5	0.75	mg/l	5.00	0.549	98	80-120	0.2	20	
Nitrate-N	1.31	0.55	0.30	mg/l	1.13	ND	116	80-120	0.3	20	
Nitrite-N	2.27	0.75	0.45	mg/l	1.52	ND	149	80-120	3	20	*M1*
Orthophosphate - P	2.19	0.80	0.65	mg/l	1.63	ND	134	80-120	3	20	*M1*
Sulfate	51.2	2.5	1.5	mg/l	10.0	41.8	93	80-120	0.5	20	*MHA*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0195 Extracted: 09/01/11											
Blank Analyzed: 09/01/2011 (11I0195-BLK1)											
Ammonia-N	ND	0.50	0.10	mg/l							
LCS Analyzed: 09/01/2011 (11I0195-BS1)											
Ammonia-N	1.06	0.50	0.10	mg/l	1.00		106	85-115			
Matrix Spike Analyzed: 09/01/2011 (11I0195-MS1)						**Source: IUH3170-01**					
Ammonia-N	2.67	0.50	0.10	mg/l	2.00	ND	133	75-125			*M1*
Matrix Spike Dup Analyzed: 09/01/2011 (11I0195-MSD1)						**Source: IUH3170-01**					
Ammonia-N	2.46	0.50	0.10	mg/l	2.00	ND	123	75-125	8	15	
Batch: 11I0198 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0198-BLK1)											
Total Dissolved Solids	ND	10	1.0	mg/l							
LCS Analyzed: 09/02/2011 (11I0198-BS1)											
Total Dissolved Solids	1000	10	1.0	mg/l	1000		100	90-110			
Duplicate Analyzed: 09/02/2011 (11I0198-DUP1)						**Source: IUI0116-01**					
Total Dissolved Solids	4710	20	2.0	mg/l		4690			0.5	10	
Batch: 11I0256 Extracted: 09/02/11											
Duplicate Analyzed: 09/02/2011 (11I0256-DUP1)						**Source: IUI0011-03**					
pH	7.88	0.10	0.10	pH Units		7.88			0	5	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0256 Extracted: 09/02/11											
Duplicate Analyzed: 09/02/2011 (11I0256-DUP2)						**Source: IUI0104-02**					
pH	7.60	0.10	0.10	pH Units		7.61			0.1	5	
Batch: 11I0258 Extracted: 09/02/11											
Blank Analyzed: 09/02/2011 (11I0258-BLK1)											
Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Bicarbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l							
LCS Analyzed: 09/02/2011 (11I0258-BS1)											
Alkalinity as CaCO3	208	2.0	2.0	mg/l	230		90	90-110			
Duplicate Analyzed: 09/02/2011 (11I0258-DUP1)						**Source: IUI0009-01**					
Alkalinity as CaCO3	616	2.0	2.0	mg/l		620			0.6	20	
Bicarbonate Alkalinity as CaCO3	616	2.0	2.0	mg/l		620			0.6	20	
Carbonate Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Hydroxide Alkalinity as CaCO3	ND	2.0	2.0	mg/l		ND				20	
Batch: 11I0636 Extracted: 09/07/11											
Blank Analyzed: 09/09/2011 (11I0636-BLK1)											
Phosphorus	ND	0.050	0.020	mg/l							
LCS Analyzed: 09/09/2011 (11I0636-BS1)											
Phosphorus	0.458	0.050	0.020	mg/l	0.500		92	80-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I0636 Extracted: 09/07/11											
Matrix Spike Analyzed: 09/07/2011 (11I0636-MS1)						**Source: IUI0337-02**					
Phosphorus	0.466	0.050	0.020	mg/l	0.500	0.0946	74	65-130			
Matrix Spike Dup Analyzed: 09/07/2011 (11I0636-MSD1)						**Source: IUI0337-02**					
Phosphorus	0.524	0.050	0.020	mg/l	0.500	0.0946	86	65-130	12	20	
Batch: 11I0738 Extracted: 09/07/11											
Blank Analyzed: 09/08/2011 (11I0738-BLK1)											
Total Cyanide	ND	0.025	0.017	mg/l							
LCS Analyzed: 09/08/2011 (11I0738-BS1)											
Total Cyanide	0.195	0.025	0.017	mg/l	0.200		98	90-110			
Matrix Spike Analyzed: 09/08/2011 (11I0738-MS1)						**Source: IUI0011-03**					
Total Cyanide	0.182	0.025	0.017	mg/l	0.200	ND	91	70-115			
Matrix Spike Dup Analyzed: 09/08/2011 (11I0738-MSD1)						**Source: IUI0011-03**					
Total Cyanide	0.185	0.025	0.017	mg/l	0.200	ND	93	70-115	2	15	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

General Chemistry Parameters - Dissolved

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11I1453 Extracted: 09/08/11											
Blank Analyzed: 09/14/2011 (11I1453-BLK1)											
Total Inorganic Carbon	ND	1.00	0.500	mg/L							
LCS Analyzed: 09/14/2011 (11I1453-BS1)											
Total Inorganic Carbon	9.24	1.00	0.500	mg/L	10.0		92	90-110			
Duplicate Analyzed: 09/14/2011 (11I1453-DUP1)						**Source: IUI0011-04**					
Total Inorganic Carbon	3.51	1.00	0.500	mg/L		3.54			0.9	20	
Matrix Spike Analyzed: 09/14/2011 (11I1453-MS1)						**Source: IUI0011-03**					
Total Inorganic Carbon	34.7	1.00	0.500	mg/L	20.0	21.4	66	80-120			*M8*
Matrix Spike Dup Analyzed: 09/14/2011 (11I1453-MSD1)						**Source: IUI0011-03**					
Total Inorganic Carbon	35.4	1.00	0.500	mg/L	20.0	21.4	70	80-120	2	20	*M8*

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Anions by EPA Method 300.0/300.1/326

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: W1I0504 Extracted: 09/14/11											
Blank Analyzed: 09/15/2011 (W1I0504-BLK1)											
Iodide	ND	10	0.42	ug/l							
LCS Analyzed: 09/15/2011 (W1I0504-BS1)											
Iodide	35.3	10	0.42	ug/l	40.0		88	80-120			
Matrix Spike Analyzed: 09/15/2011 (W1I0504-MS1)						**Source: IUI0011-03**					
Iodide	4970	500	21	ug/l	2000	3000	98	80-120			
Matrix Spike Dup Analyzed: 09/15/2011 (W1I0504-MSD1)						**Source: IUI0011-03**					
Iodide	5090	500	21	ug/l	2000	3000	104	80-120	2	20	

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1257084 Extracted: 09/14/11											
Blank Analyzed: 09/18/2011 (G1I140000084B)						**Source:**					
PCB 10 (BZ)	ND	0.2	0.0000022	ng/L				-			
PCB 105 (BZ)	ND	0.02	0.000001	ng/L				-			
PCB 11 (BZ)	0.012	0.2	0.0000032	ng/L				-			*Ja*
PCB 114 (BZ)	ND	0.02	0.0000011	ng/L				-			
PCB 118 (BZ)	0.0024	0.02	0.0000011	ng/L				-			*Ja*
PCB 12 (BZ)	ND	0.2	0.0000032	ng/L				-			
PCB 123 (BZ)	ND	0.02	0.0000011	ng/L				-			
PCB 126 (BZ)	ND	0.02	0.0000011	ng/L				-			
PCB 13 (BZ)	ND	0.2	0.0000032	ng/L				-			
PCB 14 (BZ)	ND	0.2	0.0000027	ng/L				-			
PCB 15 (BZ)	ND	0.2	0.0000032	ng/L				-			
PCB 156 (BZ)	ND	0.02	0.00000089	ng/L				-			
PCB 157 (BZ)	ND	0.02	0.00000089	ng/L				-			
PCB 167 (BZ)	ND	0.02	0.00000068	ng/L				-			
PCB 169 (BZ)	ND	0.02	0.00000081	ng/L				-			
PCB 189 (BZ)	ND	0.02	0.00000051	ng/L				-			
PCB 4 (BZ)	ND	0.2	0.0000028	ng/L				-			
PCB 5 (BZ)	ND	0.2	0.0000031	ng/L				-			
PCB 6 (BZ)	ND	0.2	0.0000031	ng/L				-			
PCB 7 (BZ)	ND	0.2	0.000003	ng/L				-			
PCB 77 (BZ)	ND	0.02	0.00000088	ng/L				-			
PCB 8 (BZ)	ND	0.2	0.0000031	ng/L				-			
PCB 81 (BZ)	ND	0.02	0.00000091	ng/L				-			
PCB 9 (BZ)	ND	0.2	0.0000033	ng/L				-			
Surrogate: 13C12-PCB 105	*0.0016*			*ng/L*	*0.002*		*79*	*25-150*			
Surrogate: 13C12-PCB 111	*0.0017*			*ng/L*	*0.002*		*86*	*30-135*			
Surrogate: 13C12-PCB 114	*0.0015*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 118	*0.0015*			*ng/L*	*0.002*		*75*	*25-150*			
Surrogate: 13C12-PCB 123	*0.0015*			*ng/L*	*0.002*		*74*	*25-150*			
Surrogate: 13C12-PCB 126	*0.0016*			*ng/L*	*0.002*		*82*	*25-150*			
Surrogate: 13C12-PCB 15	*0.0013*			*ng/L*	*0.002*		*66*	*25-150*			
Surrogate: 13C12-PCB 156	*0.0035*			*ng/L*	*0.004*		*86*	*25-150*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1257084 Extracted: 09/14/11											
Blank Analyzed: 09/18/2011 (G1I140000084B)						**Source:**					
Surrogate: 13C12-PCB 157	*0.0035*			*ng/L*	*0.004*		*86*	*25-150*			
Surrogate: 13C12-PCB 167	*0.0017*			*ng/L*	*0.002*		*84*	*25-150*			
Surrogate: 13C12-PCB 169	*0.0017*			*ng/L*	*0.002*		*87*	*25-150*			
Surrogate: 13C12-PCB 178	*0.0017*			*ng/L*	*0.002*		*84*	*30-135*			
Surrogate: 13C12-PCB 189	*0.0019*			*ng/L*	*0.002*		*93*	*25-150*			
Surrogate: 13C12-PCB 28	*0.0018*			*ng/L*	*0.002*		*91*	*30-135*			
Surrogate: 13C12-PCB 4	*0.0011*			*ng/L*	*0.002*		*57*	*25-150*			
Surrogate: 13C12-PCB 77	*0.0016*			*ng/L*	*0.002*		*80*	*25-150*			
Surrogate: 13C12-PCB 81	*0.0015*			*ng/L*	*0.002*		*76*	*25-150*			
LCS Analyzed: 09/18/2011 (G1I140000084C)						**Source:**					
PCB 105 (BZ)	1.91	0.02	0.0017	ng/L	2		96	50-150			
PCB 114 (BZ)	2.01	0.02	0.0019	ng/L	2		101	50-150			
PCB 118 (BZ)	1.92	0.02	0.0017	ng/L	2		96	50-150			
PCB 123 (BZ)	1.95	0.02	0.0019	ng/L	2		98	50-150			
PCB 126 (BZ)	1.98	0.02	0.0018	ng/L	2		99	50-150			
PCB 15 (BZ)	2.13	0.2	0.035	ng/L	2		107	50-150			
PCB 156 (BZ)	4.13	0.04	0.0035	ng/L	4		103	50-150			
PCB 157 (BZ)	4.13	0.04	0.0035	ng/L	4		103	50-150			
PCB 167 (BZ)	2.06	0.02	0.0028	ng/L	2		103	50-150			
PCB 169 (BZ)	2.15	0.02	0.003	ng/L	2		108	50-150			
PCB 189 (BZ)	2.06	0.02	0.0012	ng/L	2		103	50-150			
PCB 4 (BZ)	1.91	0.2	0.56	ng/L	2		95	50-150			
PCB 77 (BZ)	2.02	0.02	0.0022	ng/L	2		101	50-150			
PCB 81 (BZ)	1.99	0.02	0.0022	ng/L	2		99	50-150			
Surrogate: 13C12-PCB 105	*0.00139*			*ng/L*	*0.002*		*70*	*25-150*			
Surrogate: 13C12-PCB 111	*0.00142*			*ng/L*	*0.002*		*71*	*30-135*			
Surrogate: 13C12-PCB 114	*0.00128*			*ng/L*	*0.002*		*64*	*25-150*			
Surrogate: 13C12-PCB 118	*0.0013*			*ng/L*	*0.002*		*65*	*25-150*			
Surrogate: 13C12-PCB 123	*0.00128*			*ng/L*	*0.002*		*64*	*25-150*			
Surrogate: 13C12-PCB 126	*0.00156*			*ng/L*	*0.002*		*78*	*25-150*			
Surrogate: 13C12-PCB 15	*0.00013*			*ng/L*	*0.002*		*7*	*25-150*			*
Surrogate: 13C12-PCB 156	*0.00338*			*ng/L*	*0.004*		*84*	*25-150*			
Surrogate: 13C12-PCB 157	*0.00338*			*ng/L*	*0.004*		*84*	*25-150*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

METHOD BLANK/QC DATA

EPA-14 1668x

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1257084 Extracted: 09/14/11											
LCS Analyzed: 09/18/2011 (G1I140000084C)						**Source:**					
Surrogate: 13C12-PCB 167	*0.00163*			*ng/L*	*0.002*		*82*	*25-150*			
Surrogate: 13C12-PCB 169	*0.00177*			*ng/L*	*0.002*		*88*	*25-150*			
Surrogate: 13C12-PCB 178	*0.00157*			*ng/L*	*0.002*		*79*	*30-135*			
Surrogate: 13C12-PCB 189	*0.00182*			*ng/L*	*0.002*		*91*	*25-150*			
Surrogate: 13C12-PCB 28	*0.00046*			*ng/L*	*0.002*		*23*	*30-135*			*
Surrogate: 13C12-PCB 4	*0.00000841*			*ng/L*	*0.0021*		*0*	*25-150*			*
Surrogate: 13C12-PCB 77	*0.00121*			*ng/L*	*0.002*		*61*	*25-150*			
Surrogate: 13C12-PCB 81	*0.00115*			*ng/L*	*0.002*		*57*	*25-150*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SW846 6850-DISSx

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1252126 Extracted: 09/09/11											
Matrix Spike Dup Analyzed: 09/14/2011 (G1I020459001D)					**Source: IUI0011-03**						
Perchlorate	6.99	0.5	0.082	ug/L	5	1.9	102	80-120	0.12	15	
Matrix Spike Analyzed: 09/14/2011 (G1I020459001S)					**Source: IUI0011-03**						
Perchlorate	7	0.5	0.082	ug/L	5	1.9	102	80-120			
Blank Analyzed: 09/14/2011 (G1I090000126B)					**Source:**						
Perchlorate	ND	0.5	0.082	ug/L				-			
LCS Analyzed: 09/14/2011 (G1I090000126C)					**Source:**						
Perchlorate	5.05	0.5	0.082	ug/L	5		101	80-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

SW846 6010Bx

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1249128 Extracted: 09/06/11											
Matrix Spike Dup Analyzed: 09/07/2011 (F1I020445001D)						**Source: IUI0011-03**					
Sulfur	296000	25000	1340	ug/L	10000	285000	108	75-125	1	20	
Matrix Spike Analyzed: 09/07/2011 (F1I020445001S)						**Source: IUI0011-03**					
Sulfur	293000	25000	1340	ug/L	10000	285000	78	75-125			
Blank Analyzed: 09/07/2011 (F1I060000128B)						**Source:**					
Sulfur	ND	5000	267	ug/L				-			
LCS Analyzed: 09/07/2011 (F1I060000128C)						**Source:**					
Sulfur	11100	5000	267	ug/L	10000		111	80-120			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 84882 Extracted: 09/07/11											
Blank Analyzed: 09/13/2011 (85738-10)						**Source:**					
Azinphos-methyl	ND	2.5	0.17	ug/L				-			
Bolstar	ND	1.0	0.31	ug/L				-			
Chlorpyrifos	ND	1.5	0.36	ug/L				-			
Coumaphos	ND	1.0	0.14	ug/L				-			
Demeton, Total	ND	3.0	0.21	ug/L				-			
Diazinon	ND	0.50	0.15	ug/L				-			
Dichlorvos	ND	0.50	0.16	ug/L				-			
Dimethoate	ND	1.5	0.45	ug/L				-			
Disulfoton	ND	1.0	0.32	ug/L				-			
EPN	ND	1.2	0.15	ug/L				-			
Ethoprop	ND	1.5	0.18	ug/L				-			
Ethyl Parathion	ND	1.0	0.14	ug/L				-			
Famphur	ND	1.0	0.18	ug/L				-			
Fensulfothion	ND	2.5	0.54	ug/L				-			
Fenthion	ND	2.5	0.15	ug/L				-			
Malathion	ND	2.0	0.13	ug/L				-			
Merphos	ND	5.0	0.17	ug/L				-			
Methyl Carbophenothion	ND	0.80	0.080	ug/L				-			
Methyl parathion	ND	4.0	0.14	ug/L				-			
Mevinphos	ND	6.2	0.46	ug/L				-			
Naled	ND	2.0	0.80	ug/L				-			
o,o',o"-Triethylphosphorothioate	ND	0.50	0.14	ug/L				-			
Phorate	ND	1.2	0.15	ug/L				-			
Ronnel	ND	10	0.12	ug/L				-			
Sulfotepp	ND	1.5	0.17	ug/L				-			
Tetrachlorvinphos (Stirophos)	ND	3.5	0.12	ug/L				-			
Thionazin	ND	1.0	0.31	ug/L				-			
Tokuthion	ND	1.6	0.12	ug/L				-			
Trichloronate	ND	1.5	0.24	ug/L				-			
Surrogate: Chlormefos	*1.40*			*ug/L*	*2.00*		*70*	*49-171*			
Surrogate: Triphenylphosphate	*1.91*			*ug/L*	*2.01*		*95*	*60-154*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 84882 Extracted: 09/07/11											
LCS Analyzed: 09/13/2011 (85738-11)					**Source:**						
Azinphos-methyl	3.71	2.5	0.17	ug/L	4.06		92	42-125			
Chlorpyrifos	3.53	1.5	0.36	ug/L	4.06		87	60-120			
Coumaphos	3.59	1.0	0.14	ug/L	4.16		86	61-115			
Demeton, Total	3.32	3.0	0.21	ug/L	4.19		79	33-141			
Diazinon	3.26	0.50	0.15	ug/L	4.02		81	47-149			
Dichlorvos	3.27	0.50	0.16	ug/L	4.01		82	40-193			
Dimethoate	3.25	1.5	0.45	ug/L	4.00		81	33-139			
Disulfoton	3.15	1.0	0.32	ug/L	4.03		78	44-139			
EPN	3.95	1.2	0.15	ug/L	4.00		99	50-150			
Ethoprop	3.59	1.5	0.18	ug/L	4.05		89	43-165			
Ethyl Parathion	4.14	1.0	0.14	ug/L	4.00		103	47-142			
Famphur	4.16	1.0	0.18	ug/L	4.00		104	51-131			
Fensulfothion	3.22	2.5	0.54	ug/L	4.20		77	46-115			
Fenthion	3.25	2.5	0.15	ug/L	4.01		81	63-128			
Malathion	3.85	2.0	0.13	ug/L	4.24		91	53-137			
Merphos	2.79	5.0	0.17	ug/L	4.14		67	50-150			*Jb*
Methyl parathion	3.55	4.0	0.14	ug/L	4.02		88	55-131			*Jb*
Mevinphos	6.80	6.2	0.46	ug/L	4.21		161	39-175			
o,o',o"-Triethylphosphorothioate	3.23	0.50	0.14	ug/L	4.00		81	65-143			
Phorate	2.86	1.2	0.15	ug/L	4.23		68	46-142			
Ronnel	3.46	10	0.12	ug/L	4.11		84	43-115			*Jb*
Sulfotepp	3.72	1.5	0.17	ug/L	4.00		93	29-166			
Tetrachlorvinphos (Stirophos)	3.53	3.5	0.12	ug/L	4.02		88	53-123			
Thionazin	3.56	1.0	0.31	ug/L	4.18		85	39-180			
Trichloronate	3.18	1.5	0.24	ug/L	4.21		75	60-115			
Surrogate: Chlormefos	*1.75*			*ug/L*	*2.00*		*87*	*49-171*			
Surrogate: Triphenylphosphate	*1.92*			*ug/L*	*2.01*		*96*	*60-154*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Organophosphorous Pesticides (GC)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 84882 Extracted: 09/07/11											
LCS Dup Analyzed: 09/13/2011 (85738-12)					**Source:**						
Azinphos-methyl	3.89	2.5	0.17	ug/L	4.06		96	42-125	5	30	
Chlorpyrifos	3.86	1.5	0.36	ug/L	4.06		95	60-120	9	34	
Coumaphos	3.78	1.0	0.14	ug/L	4.16		91	61-115	5	43	
Demeton, Total	3.74	3.0	0.21	ug/L	4.19		89	33-141	12	50	
Diazinon	3.51	0.50	0.15	ug/L	4.02		87	47-149	7	40	
Dichlorvos	3.65	0.50	0.16	ug/L	4.01		91	40-193	11	49	
Dimethoate	3.67	1.5	0.45	ug/L	4.00		92	33-139	12	50	
Disulfoton	3.49	1.0	0.32	ug/L	4.03		87	44-139	10	40	
EPN	4.10	1.2	0.15	ug/L	4.00		103	50-150	4	50	
Ethoprop	3.90	1.5	0.18	ug/L	4.05		96	43-165	8	36	
Ethyl Parathion	4.39	1.0	0.14	ug/L	4.00		110	47-142	6	40	
Famphur	4.33	1.0	0.18	ug/L	4.00		108	51-131	4	88	
Fensulfothion	3.61	2.5	0.54	ug/L	4.20		86	46-115	11	62	
Fenthion	3.47	2.5	0.15	ug/L	4.01		87	63-128	7	41	
Malathion	4.06	2.0	0.13	ug/L	4.24		96	53-137	5	28	
Merphos	3.02	5.0	0.17	ug/L	4.14		73	50-150	8	50	*Jb*
Methyl parathion	3.79	4.0	0.14	ug/L	4.02		94	55-131	7	30	*Jb*
Mevinphos	7.15	6.2	0.46	ug/L	4.21		170	39-175	5	40	
o,o',o"-Triethylphosphorothioate	3.58	0.50	0.14	ug/L	4.00		90	65-143	10	40	
Phorate	3.23	1.2	0.15	ug/L	4.23		76	46-142	12	40	
Ronnel	3.76	10	0.12	ug/L	4.11		92	43-115	8	39	*Jb*
Sulfotepp	4.09	1.5	0.17	ug/L	4.00		102	29-166	9	40	
Tetrachlorvinphos (Stirophos)	3.72	3.5	0.12	ug/L	4.02		93	53-123	5	40	
Thionazin	3.86	1.0	0.31	ug/L	4.18		92	39-180	8	40	
Trichloronate	3.49	1.5	0.24	ug/L	4.21		83	60-115	9	38	
Surrogate: Chlormefos	*1.90*			*ug/L*	*2.00*		*95*	*49-171*			
Surrogate: Triphenylphosphate	*2.00*			*ug/L*	*2.01*		*100*	*60-154*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

METHOD BLANK/QC DATA

Alpha Acids

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 27302 Extracted: 09/13/11											
Matrix Spike Analyzed: 09/13/2011 (11090242-01AMS)					**Source: IUI0011-03**						
4-Chlorobenzenesulfonic acid	18.2	1.0	1.0	mg/L	10	7.794	104	60-140	0		
Benzenesulfonic acid	0.941	0.050	0.050	mg/L	0.5	0.462	96	60-140	0		
Diethyl phosphorodithioic acid	0.702	0.050	0.050	mg/L	0.5	0.202	100	60-140	0		
Dimethyl phosphorodithioic acid	1.44	0.25	0.25	mg/L	1	0.459	98	50-150	0		
Phthalic acid	0.486	0.050	0.050	mg/L	0.5	0	97	60-140	0		
Surrogate: d-Panthenol	*9.30*			*mg/L*	*10*	*0*	*93*	*50-150*			
Matrix Spike Dup Analyzed: 09/13/2011 (11090242-01AMSD)					**Source: IUI0011-03**						
4-Chlorobenzenesulfonic acid	17.6	1.0	1.0	mg/L	10	7.794	98	60-140	3.6	20	
Benzenesulfonic acid	0.945	0.050	0.050	mg/L	0.5	0.462	97	60-140	0.42	20	
Diethyl phosphorodithioic acid	0.713	0.050	0.050	mg/L	0.5	0.202	102	60-140	1.6	20	
Dimethyl phosphorodithioic acid	1.46	0.25	0.25	mg/L	1	0.459	100	50-150	0.90	20	
Phthalic acid	0.498	0.050	0.050	mg/L	0.5	0	100	60-140	2.4	20	
Surrogate: d-Panthenol	*9.37*			*mg/L*	*10*	*0*	*94*	*50-150*			
LCS Analyzed: 09/13/2011 (LCS-27302)					**Source:**						
4-Chlorobenzenesulfonic acid	0.514	0.050	0.050	mg/L	0.5		103	60-140			
Benzenesulfonic acid	0.511	0.050	0.050	mg/L	0.5		102	60-140			
Diethyl phosphorodithioic acid	0.532	0.050	0.050	mg/L	0.5		106	60-140			
Dimethyl phosphorodithioic acid	1.08	0.25	0.25	mg/L	1		108	50-150			
Phthalic acid	0.490	0.050	0.050	mg/L	0.5		98	60-140			
Surrogate: d-Panthenol	*10.2*			*mg/L*	*10*		*102*	*50-150*			
Blank Analyzed: 09/13/2011 (MBLK-27302)					**Source:**						
4-Chlorobenzenesulfonic acid	ND	0.050	0.050	mg/L				-			
Benzenesulfonic acid	ND	0.050	0.050	mg/L				-			
Diethyl phosphorodithioic acid	ND	0.050	0.050	mg/L				-			
Dimethyl phosphorodithioic acid	ND	0.25	0.25	mg/L				-			
Phthalic acid	ND	0.050	0.050	mg/L				-			
Surrogate: d-Panthenol	*10*			*mg/L*	*10*		*100*	*50-150*			

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

AECOM Inc - Long Beach
3995 Via Oro Ave
Long Beach, CA 90810
Attention: Alycia McCord

Project ID: Henderson - SRC Water Program
Henderson - SRC Water Program
Report Number: IUI0011

Sampled: 08/31/11
Received: 09/01/11

GC CALIBRATION CHECK CRITERIA

Per Method 8000B of SW-846, the percent recovery of the calibration checks for GC analyses must be within ± 15% from the true value for each individual compound or the average % recovery of all compounds in the calibration check solution must be within ± 15% recovery. Per Method 8000B, the end user is to be notified if the latter situation occurs.

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4,4'-DDD	1	117	IUI0011-03	11I0569
4,4'-DDD	1	117	IUI0011-04	11I0569
4,4'-DDE	1	116	IUI0011-03	11I0569
4,4'-DDE	1	116	IUI0011-04	11I0569

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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

AECOM Inc - Long Beach	Project ID: Henderson - SRC Water Program	
3995 Via Oro Ave	Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number: IUI0011	Received: 09/01/11
Attention: Alycia McCord		

DATA QUALIFIERS AND DEFINITIONS

*	Surrogate recovery is outside stated control limits.
A-01	2-(2-Chloroethoxy)ethyl bis(2-chloroethyl) phospate
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B-1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-1	Calibration Verification recovery was above the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
Ca	Co-eluting isomer.
H3	Sample was received and analyzed past holding time.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration.
Ja	Estimated result. Result is less than the reporting limit.
Jb	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
Q	Estimated maximum possible concentration (EMPC).
QP1	Hydrocarbon result partly due to individual peak(s) in quantitation range.
R-3	The RPD exceeded the acceptance limit due to sample matrix effects.
R-7	LCS/LCSD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
RL1	Reporting limit raised due to sample matrix effects.
Z	Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
Z6	Surrogate recovery was below acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach	Project ID:	Henderson - SRC Water Program	
3995 Via Oro Ave		Henderson - SRC Water Program	Sampled: 08/31/11
Long Beach, CA 90810	Report Number:	IUI0011	Received: 09/01/11
Attention: Alycia McCord			

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	Nevada
EDD + Level 4	Water	N/A	N/A
EPA 3510C/8081A	Water	X	
EPA 365.3	Water	X	X
EPA 504.1	Water	X	
EPA 6010B	Water	X	X
EPA 6020	Water	X	X
EPA 7199	Water	X	
EPA 7470A	Water	X	
EPA 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8082	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C MOD	Water	N/A	N/A
EPA 8270C	Water	X	X
EPA 8315A	Water	X	
EPA 9014	Water	X	
EPA 9040B	Water	X	
EPA 9056	Water	X	
SM2320B	Water	X	X
SM2540C	Water	X	X
SM4500NH3-D	Water	X	

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Alpha Analytical (Nevada) - SUB

255 Glendale Suite 21 - Sparks, NV 89431

Analysis Performed: Organic Acids
Samples: IUI0011-03, IUI0011-04

ALPS

Method Performed: ACIDS_HPLC_W
Samples: IUI0011-03, IUI0011-04

TestAmerica - Nashville, TN *NELAC Cert #1168CA, Nevada Cert #TN00032*

2960 Foster Creighton Drive - Nashville, TN 37204

Method Performed: SM 5310C
Samples: IUI0011-03, IUI0011-04

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

AECOM Inc - Long Beach 3995 Via Oro Ave Long Beach, CA 90810 Attention: Alycia McCord	Project ID: Henderson - SRC Water Program Henderson - SRC Water Program Report Number: IUI0011	Sampled: 08/31/11 Received: 09/01/11

TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: 8141A STD
Samples: IUI0011-03, IUI0011-04

TestAmerica St. Louis *California Cert #2542, Nevada Cert #MO00542009A*

13715 Rider Trail North - Earth City, MO 63045

Method Performed: SW846 6010B
Samples: IUI0011-03, IUI0011-04

TestAmerica West Sacramento *NELAC Cert #1119CA, Nevada Cert #CA44*

880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: EPA-14 1668
Samples: IUI0011-03, IUI0011-04

Method Performed: SW846 6850-DISS
Samples: IUI0011-03, IUI0011-04

Weck Laboratories, Inc. *California Cert #1132*

14859 E. Clark Avenue - City of Industry, CA 91745

Method Performed: EPA 9056aM
Samples: IUI0011-03, IUI0011-04

TestAmerica Irvine

Amy Harris
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614
phone 949.261.1022 fax 949.260.3299

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Alycia McCord	Site Contact: K. Green	Date: 8-31-11	COC No: A
AECOM	Tel/Fax: 562-213-4152	Lab Contact: Amy Harris	Carrier:	1 of 1 COCs
3995 Via Oro	Analysis Turnaround Time			Job No.
Long Beach, CA 90810	Calendar (C) or Work Days (W) ___W___			
Phone 562-420-2933	TAT if different from Below _____			Level IV Data Package
FAX 562-420-2915	☐ 2 weeks			
Project Name: Henderson	☐ 1 week			
Site:	☐ 2 days			
PO# 600186206.02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	8260-HEND & 8260 (Open Scan)	8081 Pest+DDT ByProd & 8082 PCB	Org Acid,Iodide,Sulfur,Tot InorgCarbon, Perchlorate 6850 -OUT	8315 Formal+Acetal+Chloro-OUT	Alkalinity,Bromide,Chloride,Flouride, pH	Sulfate,TDS, Phosphorus,Ortho-Phos	Cyanide 9014	6010B (B,Ca,Fe,Li,Mg,P,K,Na,Sr,Ti,Tin)	6020 metals(Al & U) & 6020 MetGrp Fu	Ammonia ISE 4500NH3-D	1668 PCB Congeners-OUT	504.1 EDB & DBCP	8015 GRO & 8015B MeOH/EtOH	8015 DRO/ORO Silica Gel	8141-Extended HEND - OUT	8270C HEND & 8270C (Open Scan)	8270C Aldehydes & 8270C-1,4 Dioxane	Chromium VI-7199, Nitrate,Nitrite	Sample Specific Notes:
TB083111A	8-31-11	700	QC	W	3		X																		
EB083111A	↑	710	QC	W	3		X																		
MC-MW-34	↓	1000	F	W	39		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48 hr TAT on 8260B.
MC-MW-3J	8-31-11	1310	F	W	40		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48 hr TAT on 8260B
FB083111A	8-31-11	1310	QC	W	3		X																		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments:
Short hold Times — Cr VI
48hr TAT on 8260B ANALYSES.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AECOM	8/31/11 1440	[signature]	TA	8/31/11 1440
[signature]	TA	8/31/11 1600	[signature]		
			Magnita Sales	T.A.I	9/01/11 9:55

BOTTLES — 49
VOAS — 39
88 TOTAL COUNT 8/31/11

45°C

4.1

Alpha Analytical, Inc.

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

Date: *14-Sep-11*

Amy Harris
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614
(949) 261-1022

CASE NARRATIVE

Job: IUI0011
Work Order: TAC11090242 **Cooler Temp:** 2 °C

Alpha's Sample ID	Client's Sample ID	Matrix
11090242-01A	IUI0011-03 (MC-MW-34-Water)	Aqueous
11090242-02A	IUI0011-04 (MC-MW-35-Water)	Aqueous

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

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

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

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100
Irvine, CA 92614

Attn: Amy Harris
Phone: (949) 261-1022
Fax: (949) 261-1228
Date Received : 09/02/11

Job: IUI0011

Organic Acids by HPLC
Alpha Acids

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **IUI0011-03 (MC-MW-34-Water)**					
Lab ID : TAC11090242-01A	Dimethyl phosphorodithioic acid	0.46	0.25 mg/L	09/13/11 17:38	09/13/11 17:38
Date Sampled 08/31/11 10:00	Benzenesulfonic acid	0.46	0.050 mg/L	09/13/11 17:38	09/13/11 17:38
	Phthalic acid	ND	0.050 mg/L	09/13/11 17:38	09/13/11 17:38
	Diethyl phosphorodithioic acid	0.20	0.050 mg/L	09/13/11 17:38	09/13/11 17:38
	4-Chlorobenzenesulfonic acid	7.8	1.0 mg/L	09/13/11 22:52	09/13/11 22:52
Client ID: **IUI0011-04 (MC-MW-35-Water)**					
Lab ID : TAC11090242-02A	Dimethyl phosphorodithioic acid	ND	0.25 mg/L	09/13/11 20:46	09/13/11 20:46
Date Sampled 08/31/11 13:10	Benzenesulfonic acid	ND	0.050 mg/L	09/13/11 20:46	09/13/11 20:46
	Phthalic acid	ND	0.050 mg/L	09/13/11 20:46	09/13/11 20:46
	Diethyl phosphorodithioic acid	ND	0.050 mg/L	09/13/11 20:46	09/13/11 20:46
	4-Chlorobenzenesulfonic acid	ND	0.050 mg/L	09/13/11 20:46	09/13/11 20:46

Note: Samples were evaluated to half of the reporting limit.
Sample data was verified by spike addition confirmation.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha certifies that the test results meet all requirements of NELAC unless footnoted otherwise.
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

9/14/11
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Sep-11*

QC Summary Report

Work Order: 11090242

Method Blank

Type: **MBLK** Test Code: **Alpha Acids**

File ID: Batch ID: **27302** Analysis Date: **09/13/2011 14:30**

Sample ID: **MBLK-27302** Units : **mg/L** Run ID: **HPLC_3_110913A** Prep Date: **09/13/2011 11:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	ND	0.25								
Benzenesulfonic acid	ND	0.05								
Phthalic acid	ND	0.05								
Diethyl phosphorodithioic acid	ND	0.05								
4-Chlorobenzenesulfonic acid	ND	0.05								

Laboratory Control Spike

Type: **LCS** Test Code: **Alpha Acids**

File ID: Batch ID: **27302** Analysis Date: **09/13/2011 15:33**

Sample ID: **LCS-27302** Units : **mg/L** Run ID: **HPLC_3_110913A** Prep Date: **09/13/2011 11:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	1.08	0.25	1		108	50	150			
Benzenesulfonic acid	0.511	0.05	0.5		102	60	140			
Phthalic acid	0.49	0.05	0.5		98	60	140			
Diethyl phosphorodithioic acid	0.532	0.05	0.5		106	60	140			
4-Chlorobenzenesulfonic acid	0.514	0.05	0.5		103	60	140			

Sample Matrix Spike

Type: **MS** Test Code: **Alpha Acids**

File ID: Batch ID: **27302** Analysis Date: **09/13/2011 18:41**

Sample ID: **11090242-01AMS** Units : **mg/L** Run ID: **HPLC_3_110913A** Prep Date: **09/13/2011 11:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	1.44	0.25	1	0.459	98	50	150			
Benzenesulfonic acid	0.941	0.05	0.5	0.462	96	60	140			
Phthalic acid	0.486	0.05	0.5	0	97	60	140			
Diethyl phosphorodithioic acid	0.702	0.05	0.5	0.202	100	60	140			
4-Chlorobenzenesulfonic acid	18.2	1	10	7.794	104	60	140			

Sample Matrix Spike Duplicate

Type: **MSD** Test Code: **Alpha Acids**

File ID: Batch ID: **27302** Analysis Date: **09/13/2011 19:44**

Sample ID: **11090242-01AMSD** Units : **mg/L** Run ID: **HPLC_3_110913A** Prep Date: **09/13/2011 11:33**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dimethyl phosphorodithioic acid	1.46	0.25	1	0.459	99.7	50	150	1.443	0.9(20)	
Benzenesulfonic acid	0.945	0.05	0.5	0.462	97	60	140	0.941	0.4(20)	
Phthalic acid	0.498	0.05	0.5	0	99.6	60	140	0.486	2.4(20)	
Diethyl phosphorodithioic acid	0.713	0.05	0.5	0.202	102	60	140	0.702	1.6(20)	
4-Chlorobenzenesulfonic acid	17.6	1	10	7.794	98	60	140	18.22	3.6(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Sample data was verified by spike addition confirmation.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : TAC11090242

Report Due By : 5:00 PM On : 14-Sep-11

Client:
Test America Analytical Testing Corporation
17461 Derian Avenue. Suite 100

Irvine, CA 92614

Report Attention	Phone Number	EMail Address
Amy Harris	(949) 261-1022 x	amy.harris@testamericainc.com

Report J Values down to MDL : Yes

EDD Required : **Yes**

Sampled by : Client

PO :

Client's COC # : none Job : IUI0011

Cooler Temp	Samples Received	Date Printed
2 °C	02-Sep-11	02-Sep-11

QC Level : 4 = Final Rpt, MBLK, LCS, MS/MSD, InitCal/ConCal data

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests ACIDS_HPLC_W								Sample Remarks
TAC11090242-01A	IUI0011-03 (MC-MW-34-Water)	AQ	08/31/11 10:00	1	0	7	OrganicAcids								
TAC11090242-02A	IUI0011-04 (MC-MW-35-Water)	AQ	08/31/11 13:10	1	0	7	OrganicAcids								

Comments: No security seals. Frozen Ice. Client COC asks for CLP data package, client aware Alpha does provide CLP data packages. Client requests J-Flags. :

	Signature	Print Name	Company	Date/Time
Logged in by:		Cheryl Gamble	Alpha Analytical, Inc.	9/2/11 11:46

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

Subcontract Order - TestAmerica Irvine (IUI0011)

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Amy Harris

RECEIVING LABORATORY:

Alpha Analytical (Nevada) - SUB
255 Glendale Suite 21
Sparks, NV 89431
Phone :(775) 355-1044
Fax: na
Project Location: Nevada
Receipt Temperature: 2 °C Ice: (Y) / N

Standard TAT is requested unless specific due date is requested. => Due Date: _____ Initials: _____

Analysis	Units	Expires	Comments
Sample ID: IUI0011-03 (MC-MW-34 - Water)		Sampled: **08/31/11 10:00**	
Organic Acids-Out	mg/l	09/28/11 10:00	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied:			
1 L Amber (AG)			TAC11090242-01A
Sample ID: IUI0011-04 (MC-MW-35 - Water)		Sampled: **08/31/11 13:10**	
Organic Acids-Out	mg/l	09/28/11 13:10	Lvl 4 data pkg,J flags,mult dilutions
Containers Supplied:			
1 L Amber (AG)			-02A

Released By	Date/Time	Received By	Date/Time
[signature]	9/1/11 17:00	FedEx	9/1/11 17:00
		[signature]	9/2/11 11:35
Released By	Date/Time	Received By	Date/Time

APPENDIX H
Data Validation Report

April 2011 Data Validation Reports can be found here;
2011 Comprehensive Groundwater Data Evaluation Report, Former Montrose and Stauffer Facilities and Current Olin Facility, Henderson, Nevada, August 18.

H.1 DATA QUALITY ASSURANCE

Two groundwater samples, one equipment blank, one field blank, and one TB were collected on 31 August 2011 at the former Montrose and SMC Sites in Henderson, Nevada and were analyzed at Test America Laboratories of Irvine, California (TAMI), with some analyses subcontracted to Test America Laboratories of Sacramento, California (TAMS), Test America Laboratories of Arvada (Denver), Colorado (TAMD), Test America Laboratories of Nashville, Tennessee (TAMN), Test America Laboratories of Saint Louis, Colorado (TAMSTL), and Alpha Analytical, Inc. of Sparks, Nevada (ALPHA). Data review and validation were performed on the entire definitive-level data set.

Four sample results (approximately 0.5 percent of the definitive-level data) were qualified as rejected and approximately 2.8 percent were qualified as estimated for exceeding quality assurance objectives (QAOs) specified for precision, accuracy, representativeness, comparability, and completeness (PARCC) in the *Quality Assurance Project Plan, Site-Wide Soil and Groundwater Investigations, Former Montrose and Stauffer Sites, Henderson, Nevada, Revision 1.0* (Hargis & Associates, Inc., 2006) (the QAPP). The remaining data met the PARCC criteria**.**

The definitive-level laboratory analyses were performed according to the methods and requirements specified in the QAPP. All of the definitive-level analytical data for this project were provided in USEPA Level 4 format. This included the USEPA Level 3 data consisting of the case narratives, completed chain-of-custody (COC) documentation, laboratory analysis results reporting forms, and QC summary forms, as well as the raw data generated from each analytical method performed. Raw data consists of sample preparation sheets, instrument run logs, calibration data, chromatograms, mass spectra, calculation sheets, and instrument generated quantitation reports and printouts. All of the definitive-level analytical data were validated at EPA Level 3 with EPA Level 4 validation performed for each method by review of the raw data to the forms and with Level 4 validation including calculations performed for 9 of 24 methods, including the methods with compounds of significant concern for this project, exceeding the greater-than-20% EPA Level 4 validation requirement specified in the QAPP.

The definitive-level analytical data were validated according to the quality assurance (QA) requirements and control limits specified in the QAPP utilizing guidelines and procedures outlined in the *EPA Contract Laboratory Program National Functional Guidelines For Organic Data Review* (EPA-540/R-99/008, October 1999) and the *EPA Contract Laboratory Program National Functional Guidelines For*

Superfund Organic Methods Data Review (EPA-540/R-08/01, June 2008). The reviewer's professional judgment was used to evaluate data quality when called for in the Functional Guidelines and in instances with no clear policy or conflicting guidance on how the data should be qualified. The data validation process was performed by the AECOM senior chemist in Oakland, California. The following documentation and QC parameters were evaluated.

- Case Narrative
- Data Summary Sheets
- Sample Custody
- Full Raw Data Package (EPA Level 4 only)
- Holding Times
- Initial and Continuing Calibrations
- Method, Laboratory, Equipment, Field, and Trip Blanks
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Recoveries and Relative Percent Differences (RPDs)
- Matrix Spike/Matrix Spike Duplicates (MS/MSDs) Recoveries and RPDs
- Surrogate Recoveries for System Monitoring Compounds
- Internal Standards
- Target Compound Identification and Quantitation
- Sample Chromatograms and Mass Spectra (EPA Level 4 only)
- Method Detection Limits (MDLs) and RLs
- Instrument Run Logs
- Sample Preparation Sheets
- Other Method-Specific QC Parameters

Qualifiers were assigned by the reviewer to all definitive-level data that failed to meet specified analytical and QC criteria. Results qualified with the "R" qualifier are rejected and considered unusable. Data qualified with the "J" qualifier are considered estimated and may be quantitatively uncertain. The "U" qualifier is included before the "J" qualifier for non-detected results. "J+" indicates the possibility that the result may be biased high, and that the actual chemical concentration may be lower than the reported result. "J-" indicates the possibility that the result may be biased low, and that the actual chemical concentration may be higher than the reported result or detection limit reported for a nondetected result. All of the results met validation criteria for PARCC parameters with the following exceptions.

Four results (less than 0.5 percent of the definitive-level data) were qualified as rejected (R) due to sample results that were reported at concentrations less than the associated laboratory blank. The trace results (results reported as detected at less than the reporting limit [RL] and greater than the method detection limit [MDL]) for PCB-118 in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) by EPA Method 1668 were qualified as "R" because they were lower than the 0.0024 µg/L trace detection in the

associated method blank; and the trace results for antimony and copper in sample MC-MW-35 (08/31/2011) by EPA Method SW6010B were qualified as "R" because the reported results were less than the trace detections in the continuing calibration blanks (CCBs). Note that the results were qualified as rejected according to Section 9.1.6 of the QAPP; whereas the Functional Guidelines specify that such results be qualified as non-detected at the reported concentration or at the RL. The trace result for uranium in sample MC-MW-34 (08/31/2011) by EPA Method SW6010B was qualified as estimated and non-detected (UJ) as the result was detected below the RL but less than 5-times the concentration in the associated CCB. These results should be considered to be rejected or estimated and not detected above the reported concentrations. In addition, the result for copper in sample MC-MW-34 (08/31/2011) by EPA Method SW6010B was qualified as estimated (J+) for potential high bias as the result was detected above the RL but less than 5-times the concentration in the associated CCB. The result may be biased high due to potential laboratory contamination.

Two sample results (approximately 0.23 percent of the data) were qualified as estimated (J-) and none of the data were qualified as rejected due to MS/MSD results that exceeded specified criteria. The results for total inorganic carbon in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) by Standard Method 5310C were qualified "J-" due to 66% and 70% recoveries (%R) in the MS/MSD, exceeding the 80-120%R criteria for this method. The results may be biased low.

Twenty sample results (approximately 2.3 percent of the data) were qualified as estimated (J) and none of the data were qualified as rejected due to exceeded calibration criteria. The results for molybdenum in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) by EPA Method SW6010B were qualified as estimated (J-) due to 86-89%Rs in the continuing calibration verification standards (CCVs), exceeding the 90-110%R criteria for this method. The results for demeton (total) and phorate in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) by EPA Method SW8141A; for nonanal and acetone in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) and in the field blank, equipment blank, and trip blank by EPA Method SW8260B; and for 2,4-dinitrophenol and benzoic acid in samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) by EPA Method SW8270C were qualified as estimated (J) for initial calibration relative standard deviations (RSDs) greater than 30% or CCVs greater than 25% difference (%D). The results are considered quantitatively uncertain. The effect on project objectives is not expected to be significant.

Analytical results that are at or above the MDL, but below the RL, were reported by the analytical laboratory. Such results are considered estimated due to quantitative uncertainty near the limit of detection, and are qualified as "Jb" for organic methods and "Ja" for inorganic methods by the laboratory and "J" in validation. Approximately 2.8 percent of the data were qualified as estimated for this reason. These qualifications do not indicate analytical problems, do not affect the PARCC objectives, and are not included in calculation of data qualification percentages for PARCC parameters.

For EPA Method SW8270C, the results for 9-octylheptadecane, chlorobenzene, n-tetracosane isomer in sample MC-MW-34 (08/31/2011) were reported as tentatively identified compounds. These results are considered qualitatively and quantitatively uncertain, are qualified as "JN" in validation, and should not be used for project decision-making purposes. These qualifications do not indicate analytical problems, do not affect the PARCC objectives, and are not included in calculation of data qualification percentages for PARCC parameters.

All analytical results and RLs are adjusted for dilutions required for high concentration compounds to be quantitated within the calibration range of the instrument. Results for compounds exceeding the calibration range were reanalyzed at greater dilutions so that the results could be quantitated within the calibration range. For these compounds, the results from reanalyses at appropriate dilutions have been designated to be used for project reporting purposes. Note that the laboratory analyzed sample MC-MW-34 (08/31/2011) for volatile organic compounds (VOCs) by EPA Method SW8260B at the lowest possible dilution (5-time dilution) to avoid problems with the instrumentation due to high concentrations of benzene and chlorobenzene (which were reported from a 25-time dilution); therefore, the RLs and MDLs for the non-detected VOCs in this sample are elevated accordingly and may be greater than specified detection limit goals for some VOCs. In addition the non-detected result for nitrite-as-nitrogen (nitrite-N) and total orthophosphate-as-phosphorous (orthophosphate-P) by EPA Method SW9056 were reported at 20-time and 5-time dilutions, respectively, due to analytical interferences.

Although not included in the QAPP and not applicable to PARCC parameters, cation-anion balances and TDS measured-to-calculated checks were calculated for samples MC-MW-34 (08/31/2011) and MC-MW-35 (08/31/2011) as specified in the updated guidance in Attachment A of the August 27, 2009 Technical Memorandum from the Nevada Division of Environmental Protection (NDEP) entitled "BMI Plant Sites and Common Areas Projects, Henderson, Nevada, *Cation-Anion Balance – Updated Guidance*." The cation-anion balances for both samples meet all criteria specified in this document, and

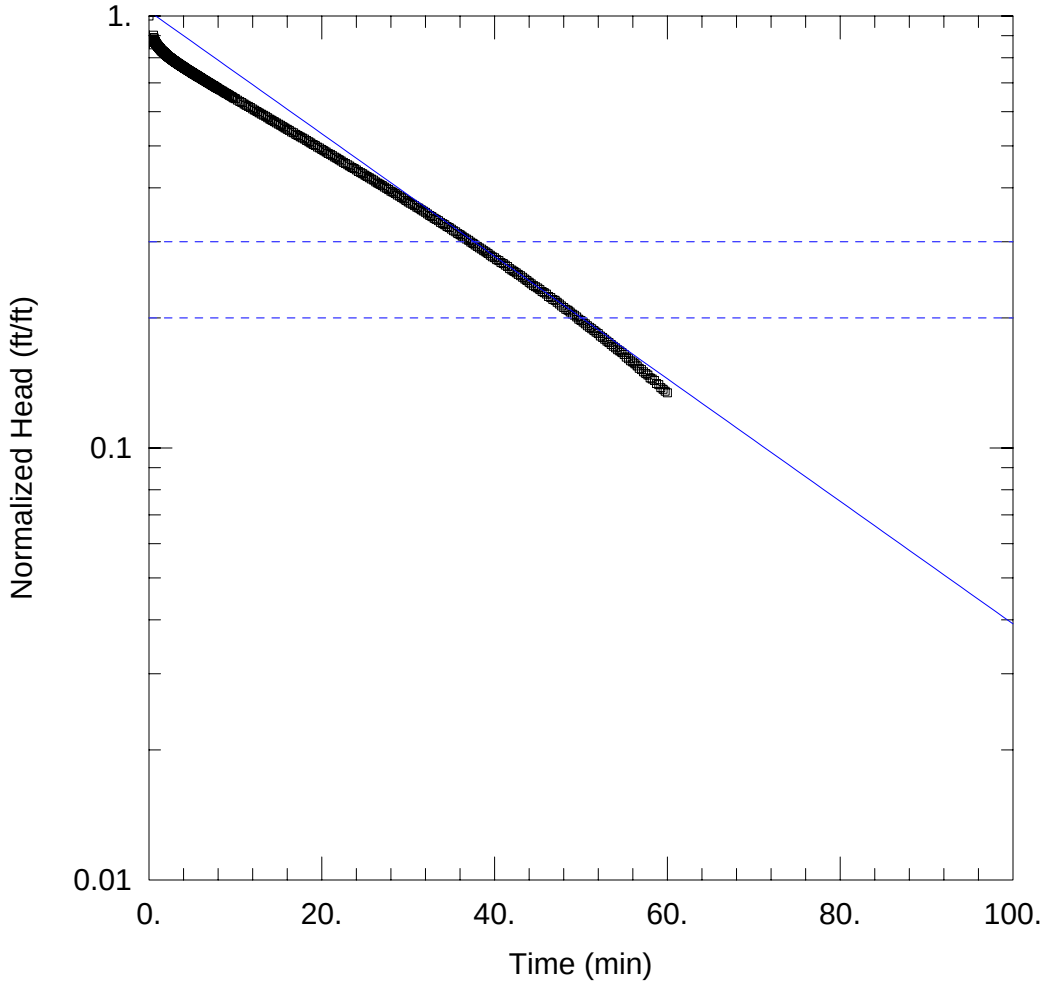
no data flags are required. The measured TDS to calculated TDS ratio for sample MC-MW-35 (08/31/2011) was acceptable, and no data flags are required. The measured TDS to calculated TDS ratio of 0.94 marginally exceeds the 1.0 to 1.2 range for sample MC-MW-34 (08/31/2011). Therefore, the 3,500 mg/L result for TDS in sample MC-MW-34 (08/31/2011) has been qualified "J-TDS." Note that if the result for TDS had been reported at 3,700 mg/L in this sample, the measured TDS to calculated TDS ratio would have been 1.0 and would be acceptable. This 5.7% deviation from acceptability is within the ±10% accuracy criterion specified in the QAPP for TDS and is within the ±10-20% accuracy criterion specified in the QAPP for the anions and the ±20% accuracy criterion specified in the QAPP for the cations used in the calculations for calculated TDS. Therefore, the data for TDS and all anions and cations meet the PARCC parameters with the exceptions noted in the paragraphs above, and no additional data flags are required. The marginal outlier for the measured TDS to calculated TDS ratio is not expected to adversely affect project objectives.

Also in accordance with the NDEP guidance, the ratio of laboratory TDS to electrical conductivity (EC) was checked. ECs of 6,200 and 1,100 umhos/cm were recorded at the end of groundwater purging at MC-MW-34 and MC-MW-35 respectively. Therefore, the TDS:EC ratios for these wells are 0.57 and 0.64 respectively. Per the NDEP guidance, a TDS:EC ratio between 0.54 and 0.96 is considered acceptable for groundwater with less than 10,000 mg/L TDS.

EPA Level 4 data validation confirmed all reported results and no inconsistencies in sample or QC results reporting were noted, with minor exceptions that were corrected.

The data review and validation performed on the entire definitive-level data set indicate the overall high quality of the definitive-level data collected for this project. The four results qualified as rejected are technically rejected according to the QAPP and should be considered not present above the reported concentrations. Results qualified as estimated are generally for minor QC outliers, and the qualifications do not significantly affect project objectives.

APPENDIX I
Slug Tests



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-32 Slug In.aqt
Date: 12/01/10 Time: 12:56:15

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-32
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

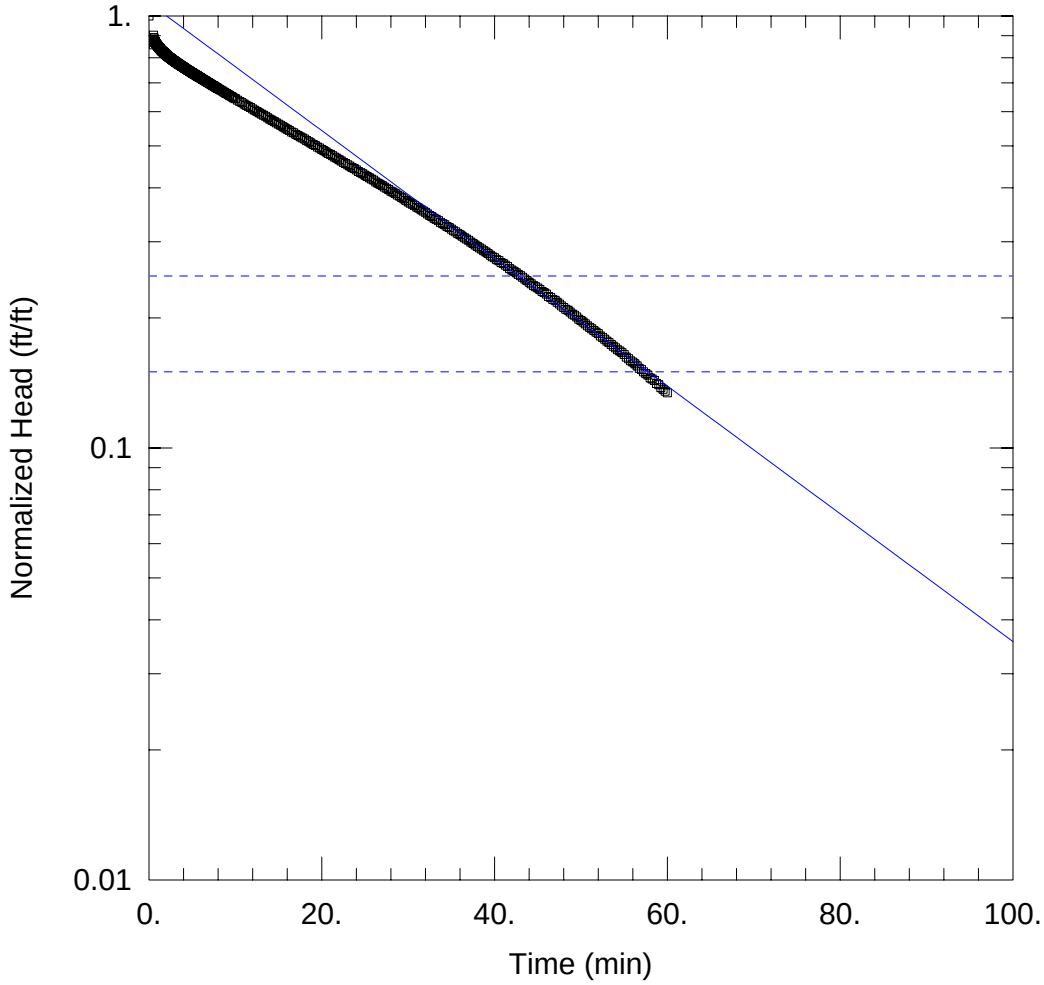
WELL DATA (MC-MW-32)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 29.97 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 29.97 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.05459 ft/day
y0 = 3.609 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-32 Slug In.aqt
Date: 12/01/10 Time: 12:57:54

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-32
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

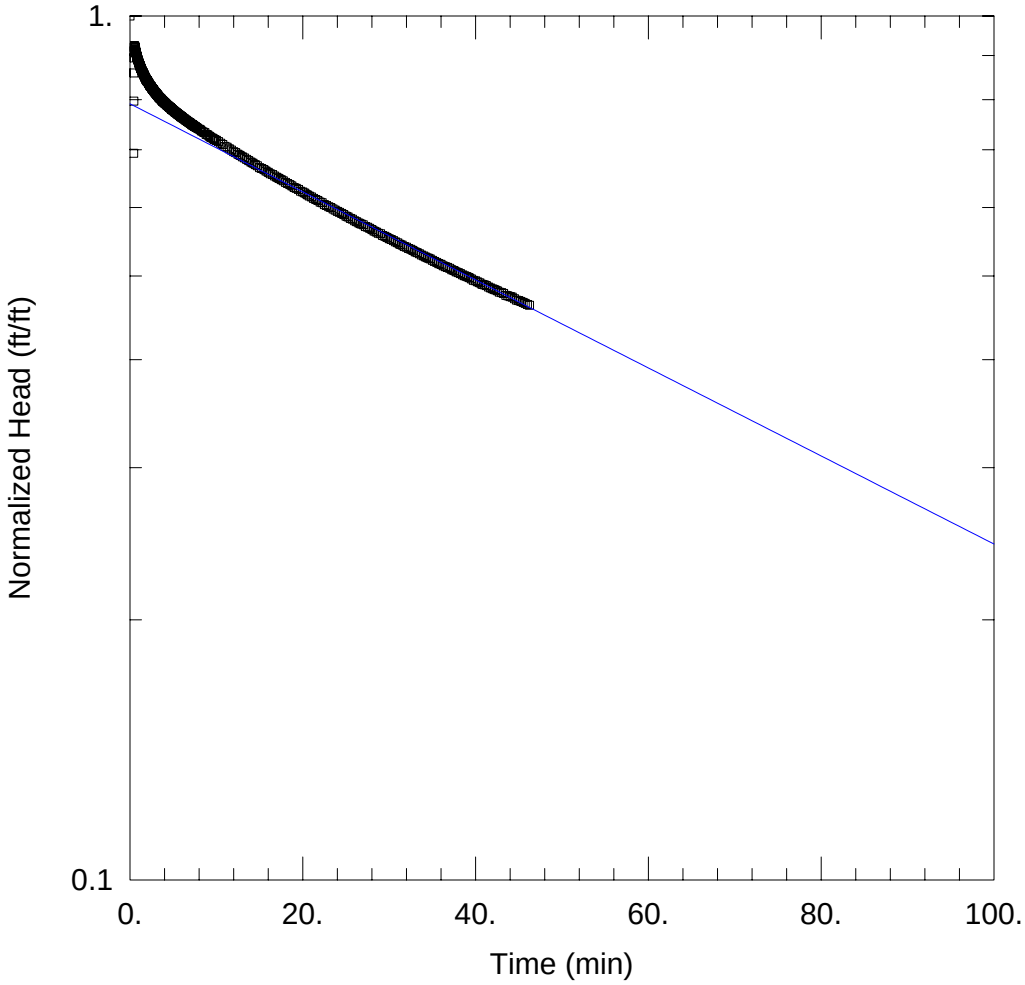
WELL DATA (MC-MW-32)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 29.97 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 29.97 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.08478 ft/day
y0 = 3.772 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-32 Slug Out.aqt
Date: 12/02/10 Time: 09:49:46

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-32
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

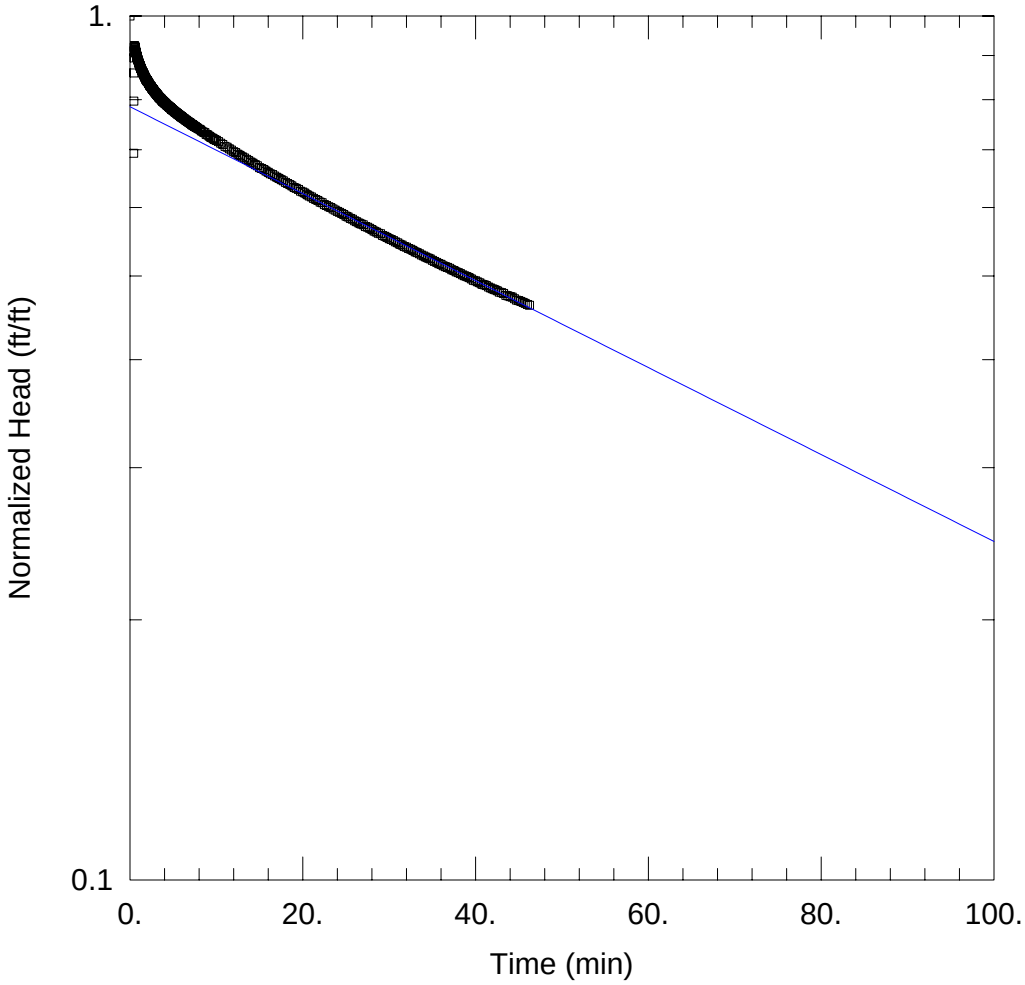
WELL DATA (MC-MW-32)

Initial Displacement: 3.178 ft
Static Water Column Height: 29.97 ft
Total Well Penetration Depth: 29.97 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.01961 ft/day
y0 = 2.514 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-32 Slug Out.aqt
Date: 12/02/10 Time: 09:46:27

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-32
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

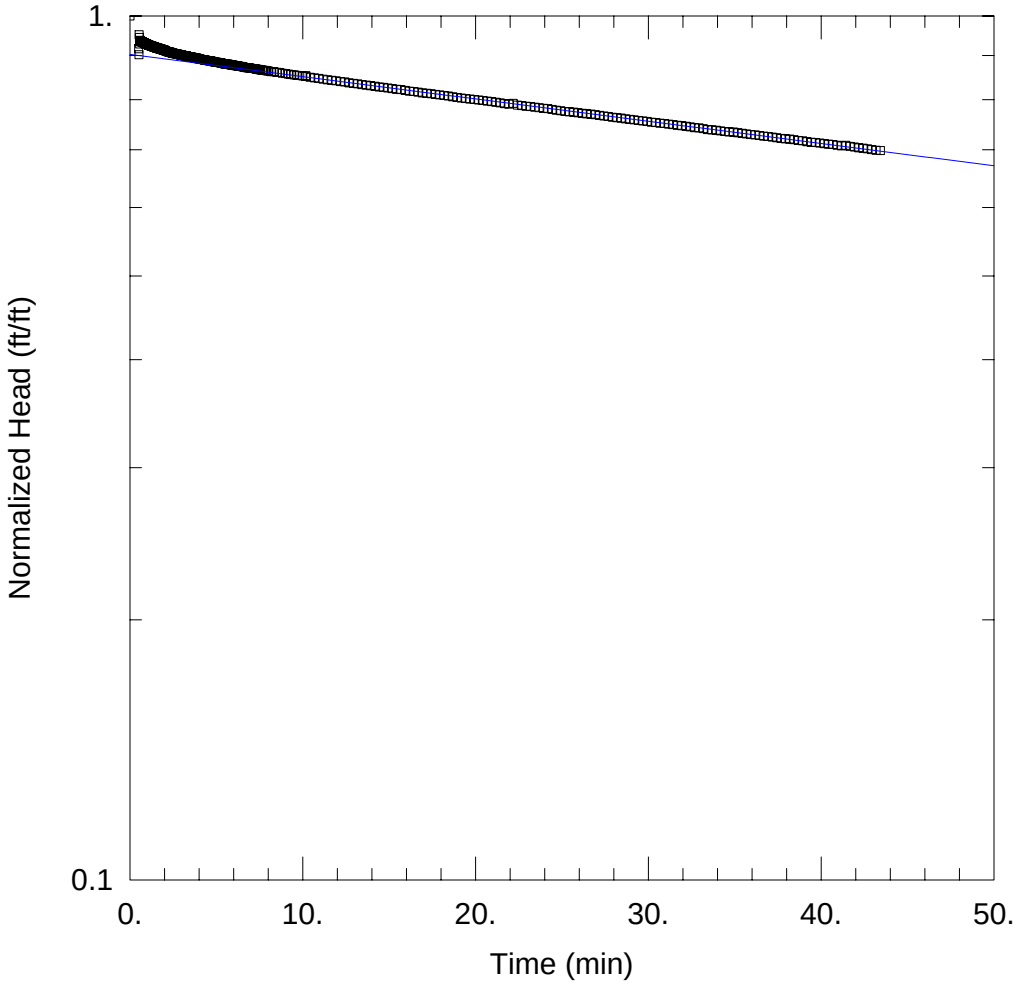
WELL DATA (MC-MW-32)

Initial Displacement: 3.178 ft
Static Water Column Height: 29.97 ft
Total Well Penetration Depth: 29.97 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.02886 ft/day
y0 = 2.495 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-33 Slug In.aqt
Date: 12/02/10 Time: 09:51:10

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-33
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

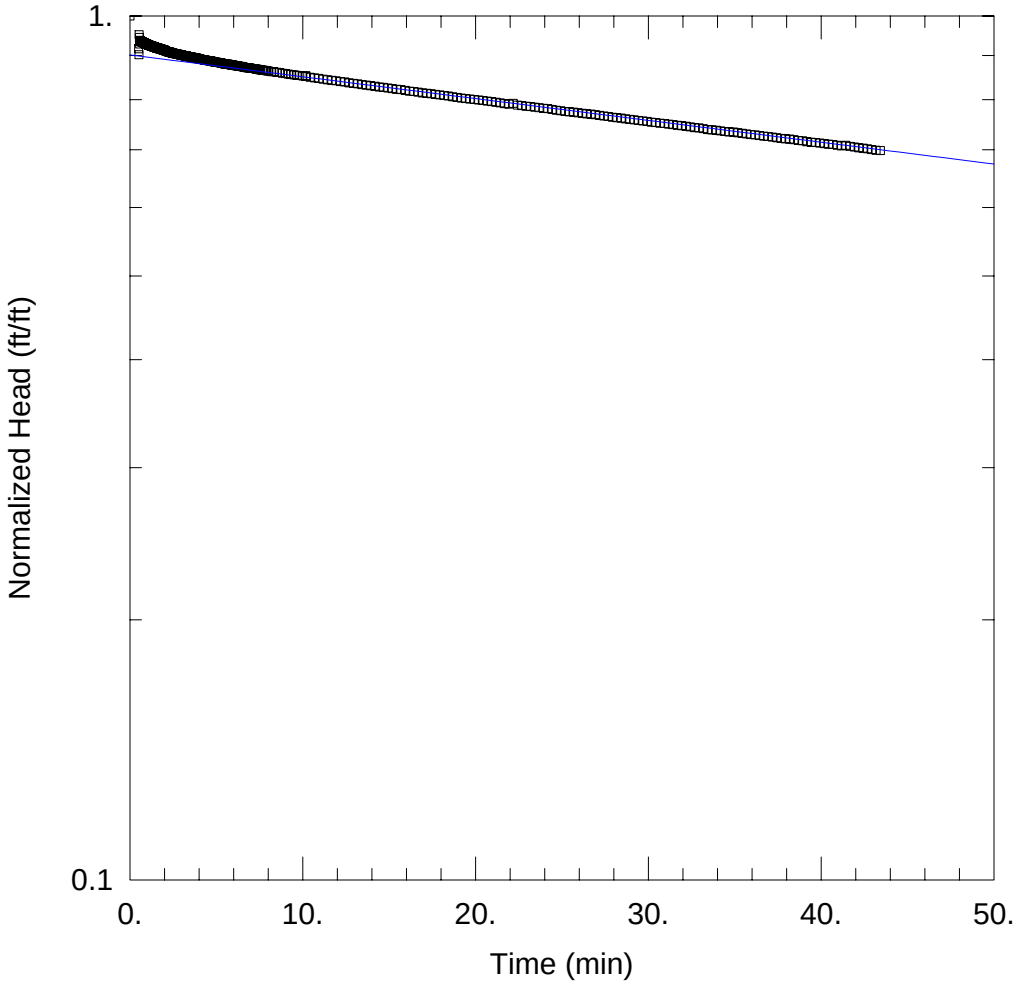
WELL DATA (MC-MW-33)

Initial Displacement: 3.519 ft
Static Water Column Height: 49.86 ft
Total Well Penetration Depth: 49.86 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.01074 ft/day
y0 = 3.176 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-33 Slug In.aqt
Date: 12/02/10 Time: 09:52:18

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-33
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

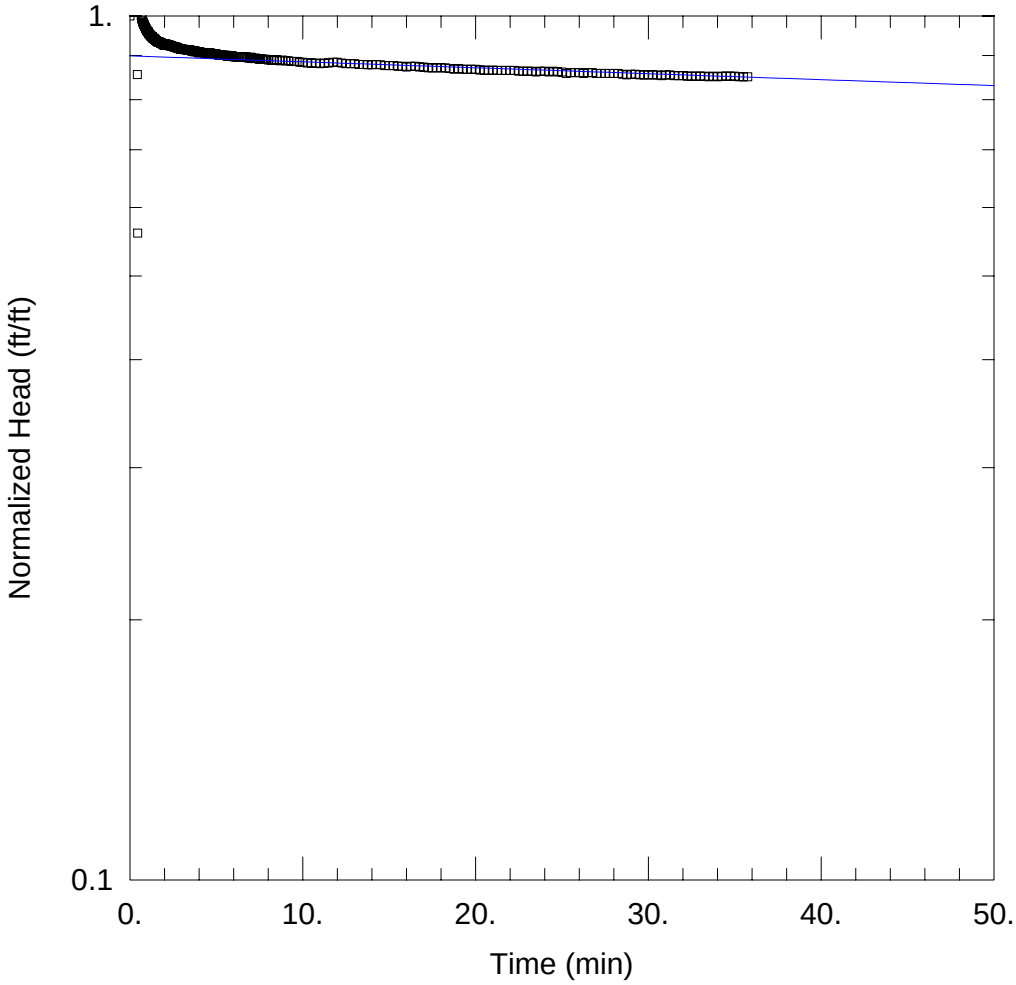
WELL DATA (MC-MW-33)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 49.86 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 49.86 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.01448 ft/day
y0 = 3.171 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-33 Slug Out.aqt
Date: 12/02/10 Time: 09:53:17

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-33
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

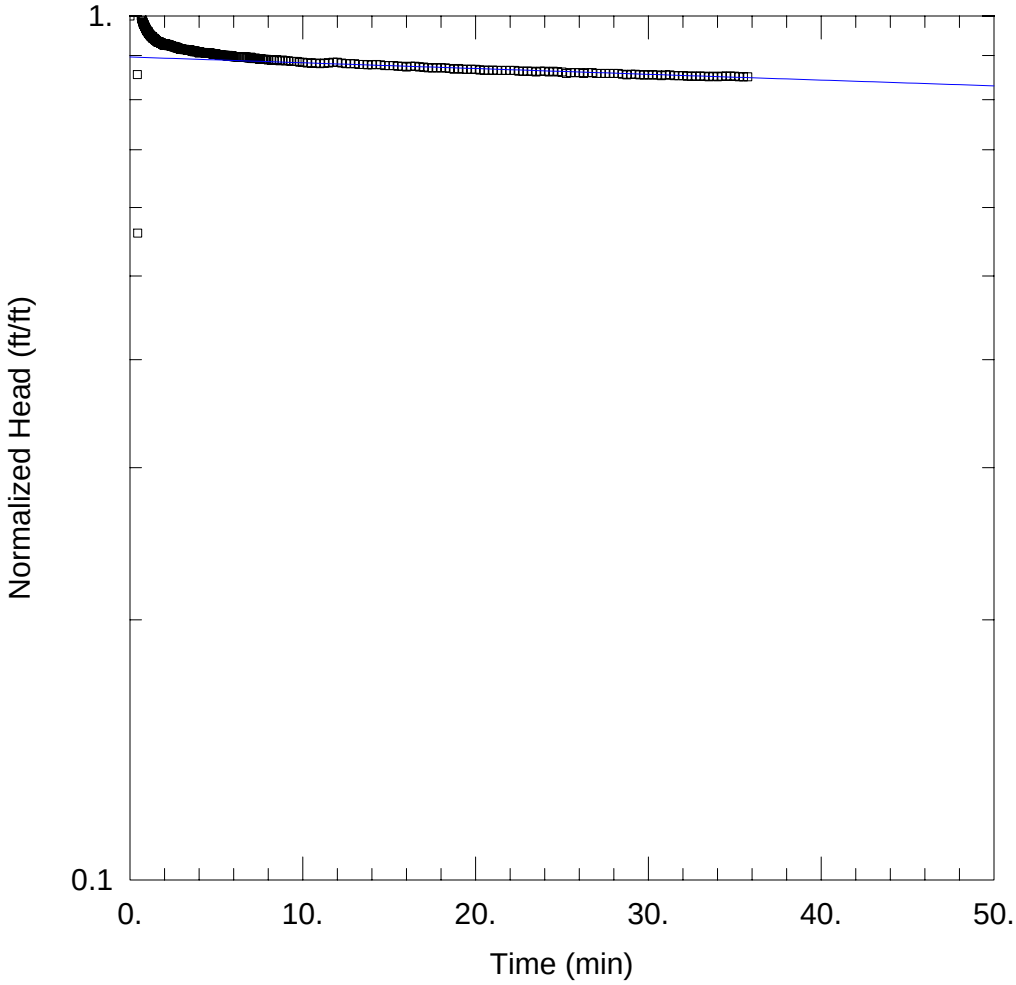
WELL DATA (MC-MW-33)

Initial Displacement: 1.154 ft Static Water Column Height: 49.86 ft
Total Well Penetration Depth: 49.86 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.002866 ft/day y0 = 1.037 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-33 Slug Out.aqt
Date: 12/02/10 Time: 09:54:43

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-33
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

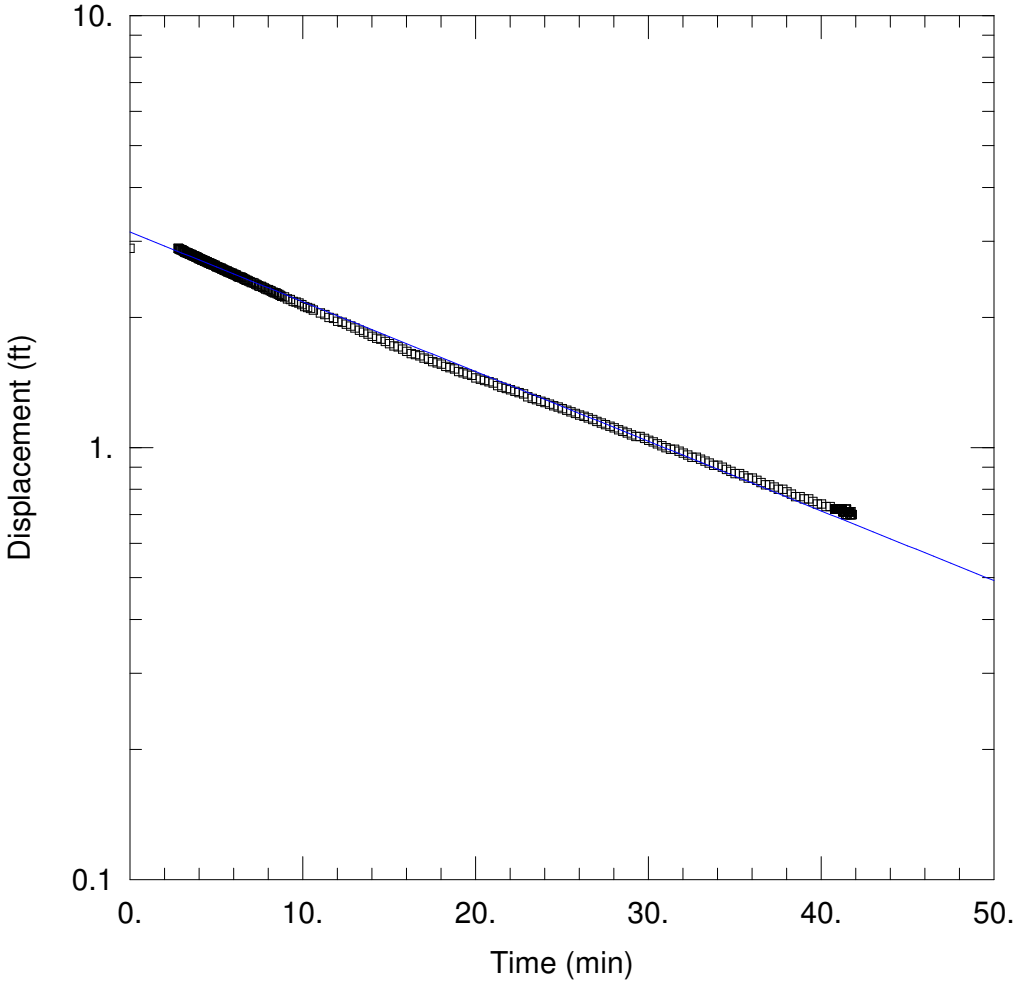
WELL DATA (MC-MW-33)

Initial Displacement: 1.154 ft Static Water Column Height: 49.86 ft
Total Well Penetration Depth: 49.86 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev

K = 0.003831 ft/day y0 = 1.034 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-34 FHT.aqt
Date: 09/02/11 Time: 12:13:51

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-34
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

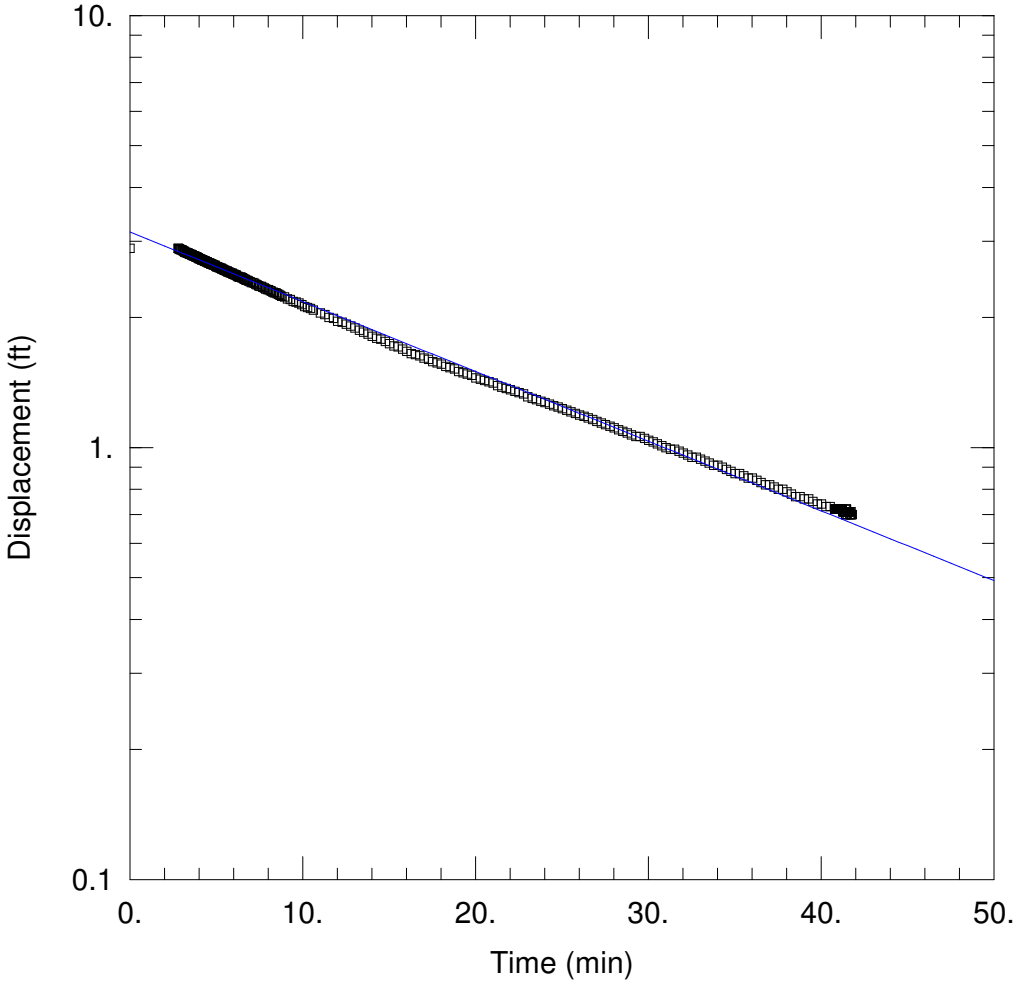
WELL DATA (MW-34)

Initial Displacement: 2.89 ft
Total Well Penetration Depth: 56. ft
Casing Radius: 0.081 ft
Static Water Column Height: 29.53 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.0687 ft/day
y0 = 3.153 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-34 FHT.aqt
Date: 09/02/11 Time: 12:14:31

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-34
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

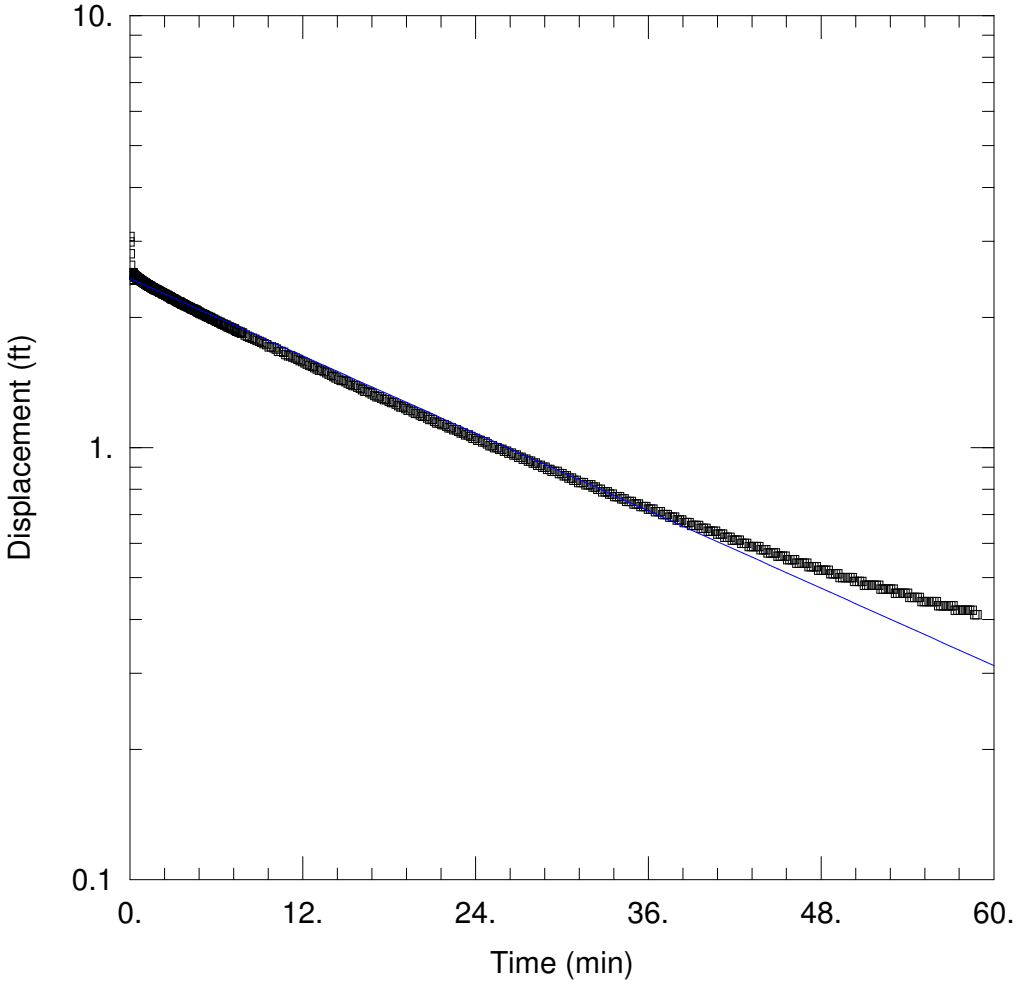
WELL DATA (MW-34)

Initial Displacement: 2.89 ft
Static Water Column Height: 29.53 ft
Total Well Penetration Depth: 56. ft
Screen Length: 10. ft
Casing Radius: 0.081 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.09299 ft/day
y0 = 3.153 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-34 RHT.aqt
Date: 09/02/11 Time: 12:11:35

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-34
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

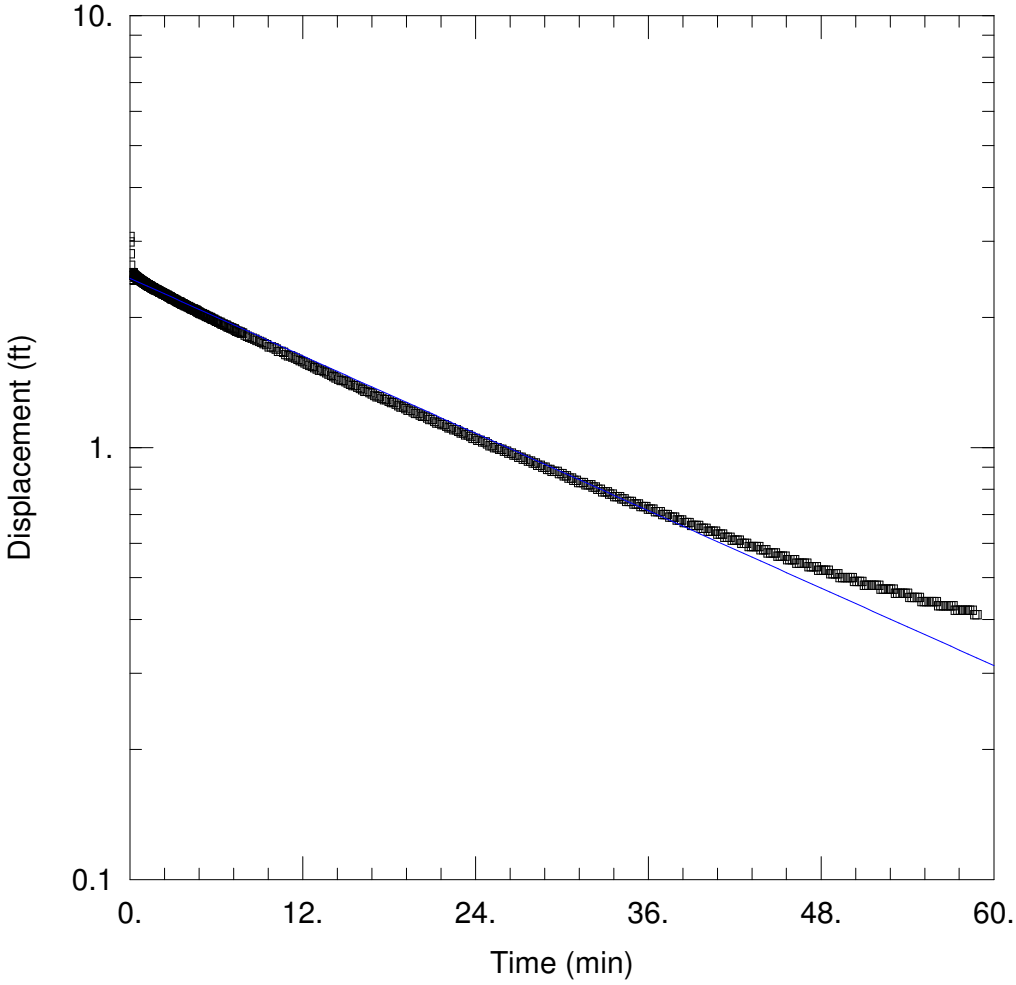
WELL DATA (MW-34)

Initial Displacement: 3.08 ft
Static Water Column Height: 29.53 ft
Total Well Penetration Depth: 56. ft
Screen Length: 10. ft
Casing Radius: 0.081 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.06361 ft/day
y0 = 2.464 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-34 RHT.aqt
Date: 09/02/11 Time: 12:13:13

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-34
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

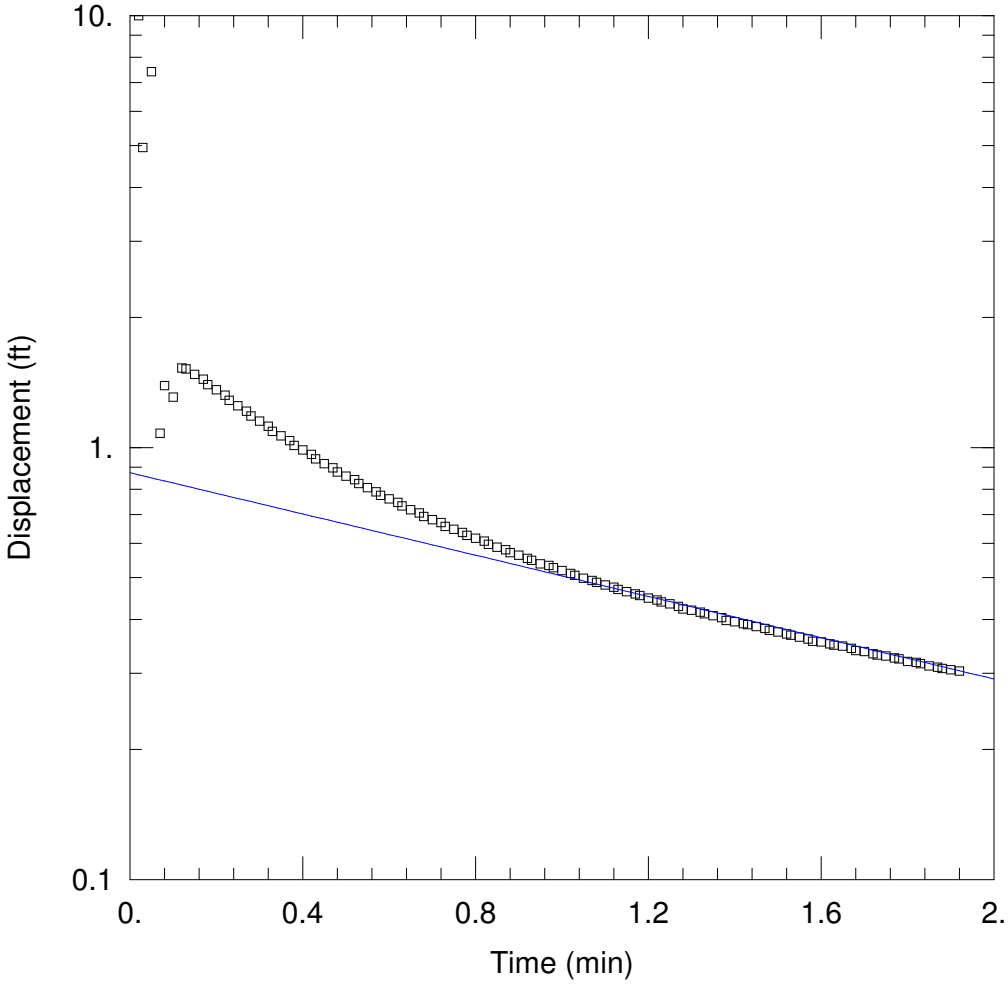
WELL DATA (MW-34)

Initial Displacement: 3.08 ft
Static Water Column Height: 29.53 ft
Total Well Penetration Depth: 56. ft
Screen Length: 10. ft
Casing Radius: 0.081 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.0861 ft/day
y0 = 2.464 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-35 FHT.aqt
Date: 09/02/11 Time: 12:24:27

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-35
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

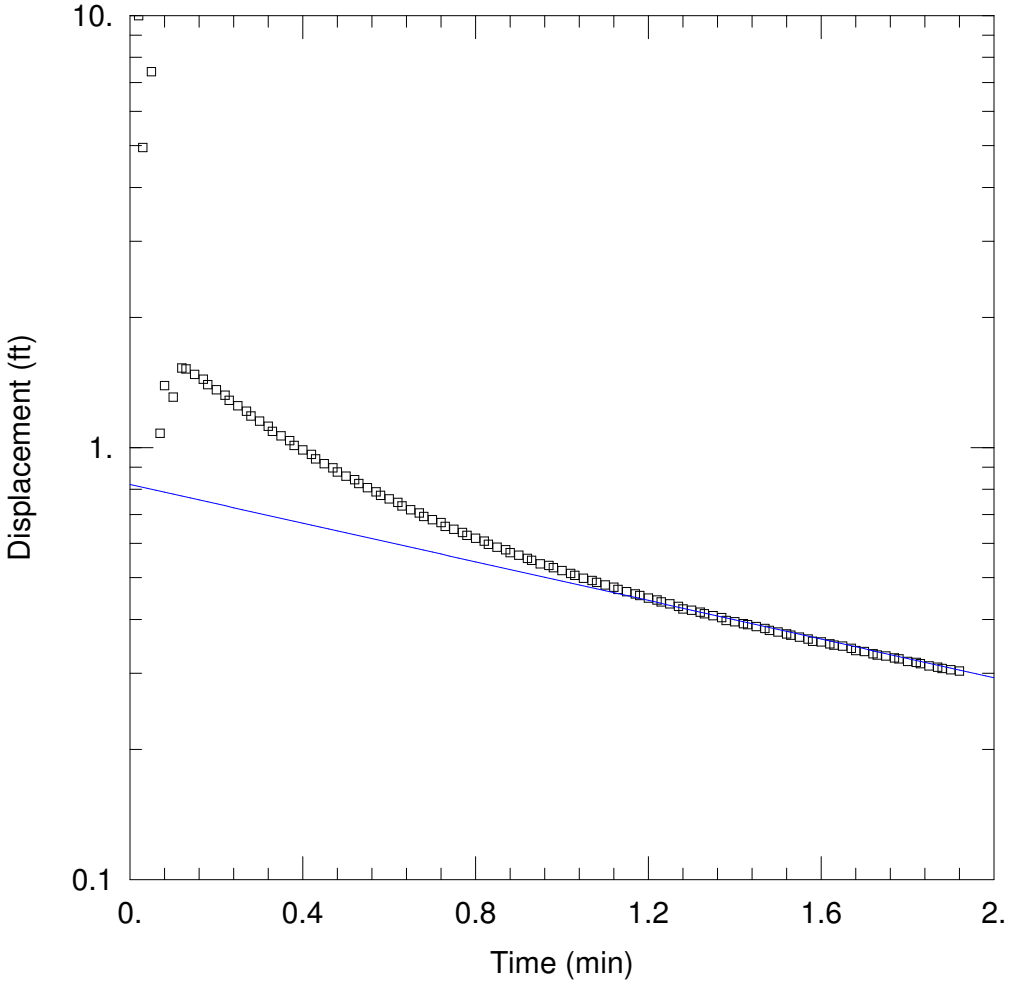
WELL DATA (MW-34)

Initial Displacement: 10.01 ft
Total Well Penetration Depth: 64. ft
Casing Radius: 0.081 ft
Static Water Column Height: 44.68 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.036 ft/day
y0 = 0.8744 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-35 FHT.aqt
Date: 09/02/11 Time: 12:31:04

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-35
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

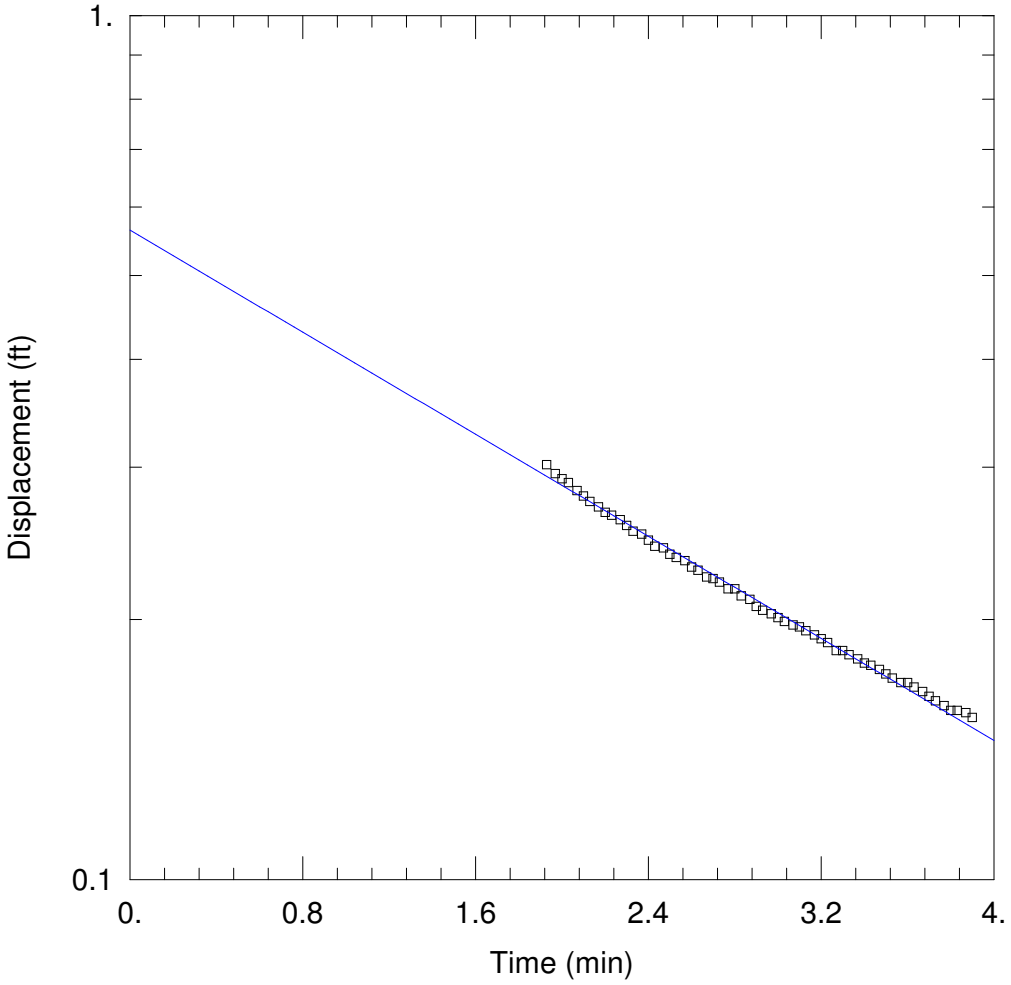
WELL DATA (MW-34)

Initial Displacement: 10.01 ft
Total Well Penetration Depth: 64. ft
Casing Radius: 0.081 ft
Static Water Column Height: 44.68 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 1.289 ft/day
y0 = 0.8212 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-35 RHT.aqt
Date: 09/02/11 Time: 12:33:37

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-35
Test Date: 8-28-2011

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

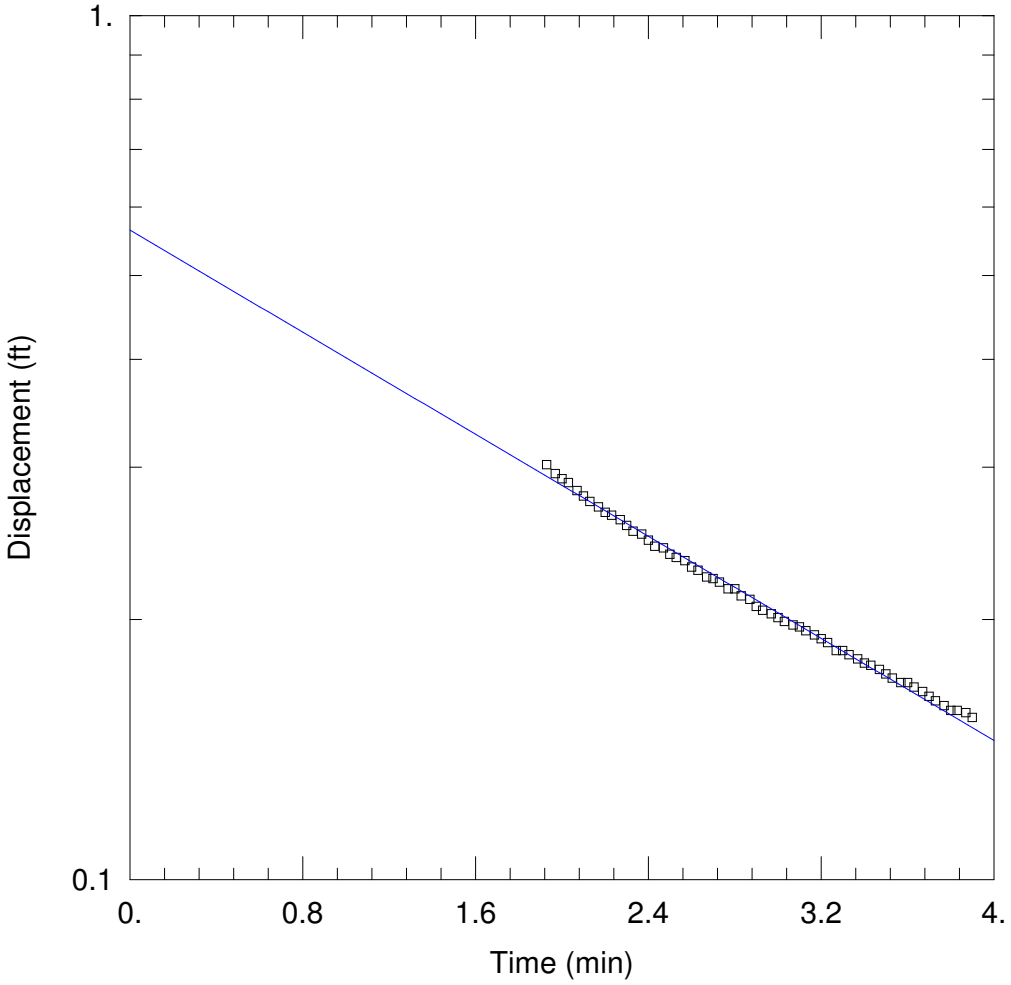
WELL DATA (MW-34)

Initial Displacement: 10.01 ft
Total Well Penetration Depth: 64. ft
Casing Radius: 0.081 ft
Static Water Column Height: 44.68 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.6403 ft/day
y0 = 0.5643 ft



OSSM UMCF ADDITIONAL INVESTIGATION

Data Set: P:\ET\DATA\work\Remediaton\pgates\Montrose-Henderson\MW-35 RHT.aqt
Date: 09/02/11 Time: 12:34:13

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Project: 60186206
Location: Henderson, NV
Test Well: MC-MW-35
Test Date: 8-28-2011

AQUIFER DATA

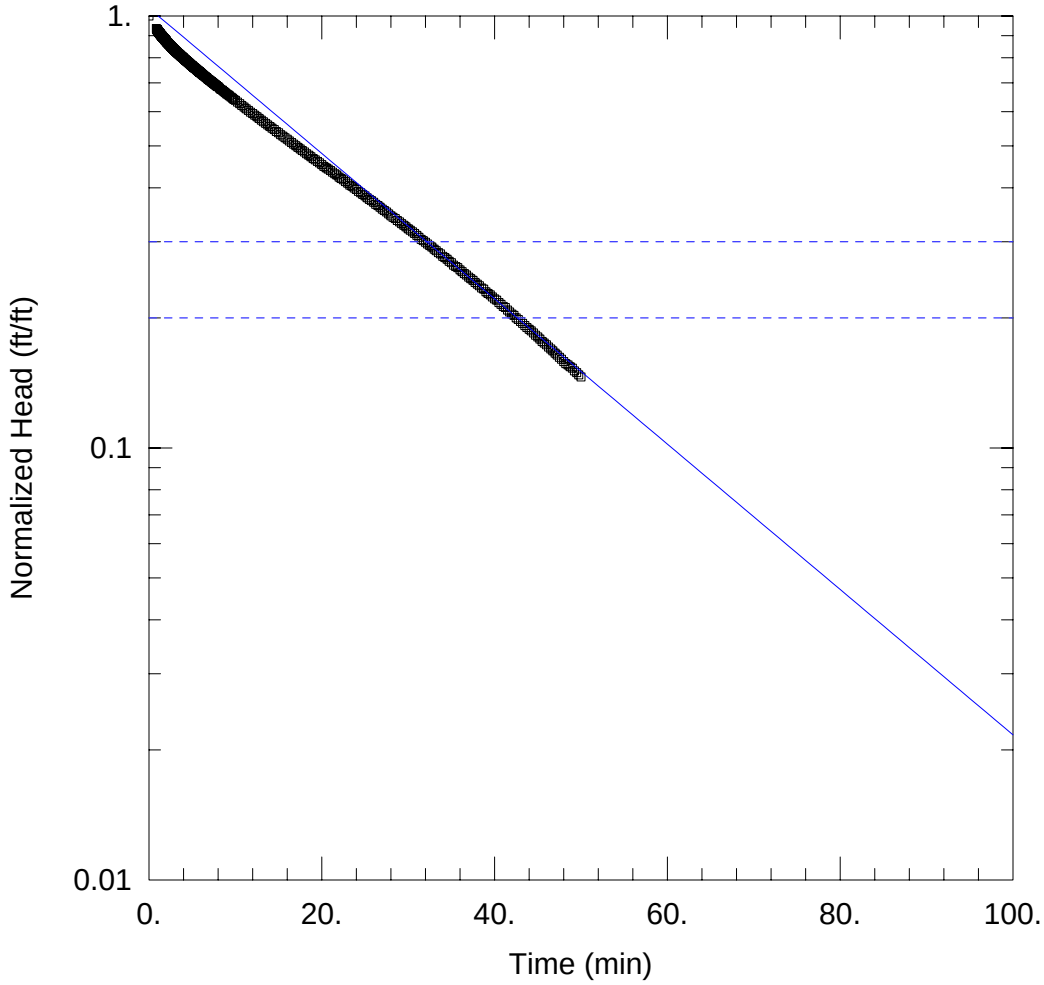
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-34)

Initial Displacement: 10.01 ft
Total Well Penetration Depth: 64. ft
Casing Radius: 0.081 ft
Static Water Column Height: 44.68 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.8508 ft/day
y0 = 0.5643 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-36 Slug In.aqt
Date: 12/01/10 Time: 13:21:05

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-36
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

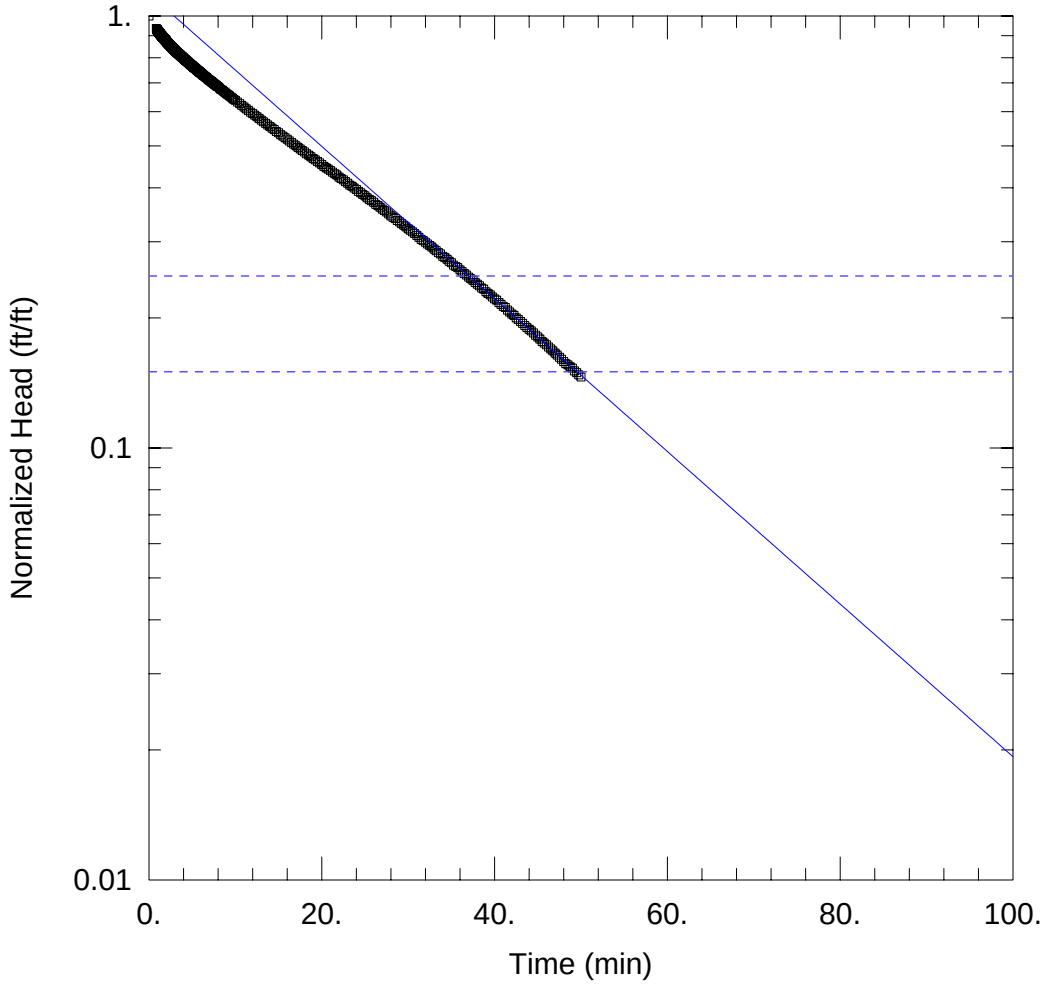
WELL DATA (MC-MW-36)

Initial Displacement: 3.519 ft
Static Water Column Height: 37.04 ft
Total Well Penetration Depth: 37.04 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.06699 ft/day
y0 = 3.668 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-36 Slug In.aqt
Date: 12/01/10 Time: 13:21:47

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-36
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

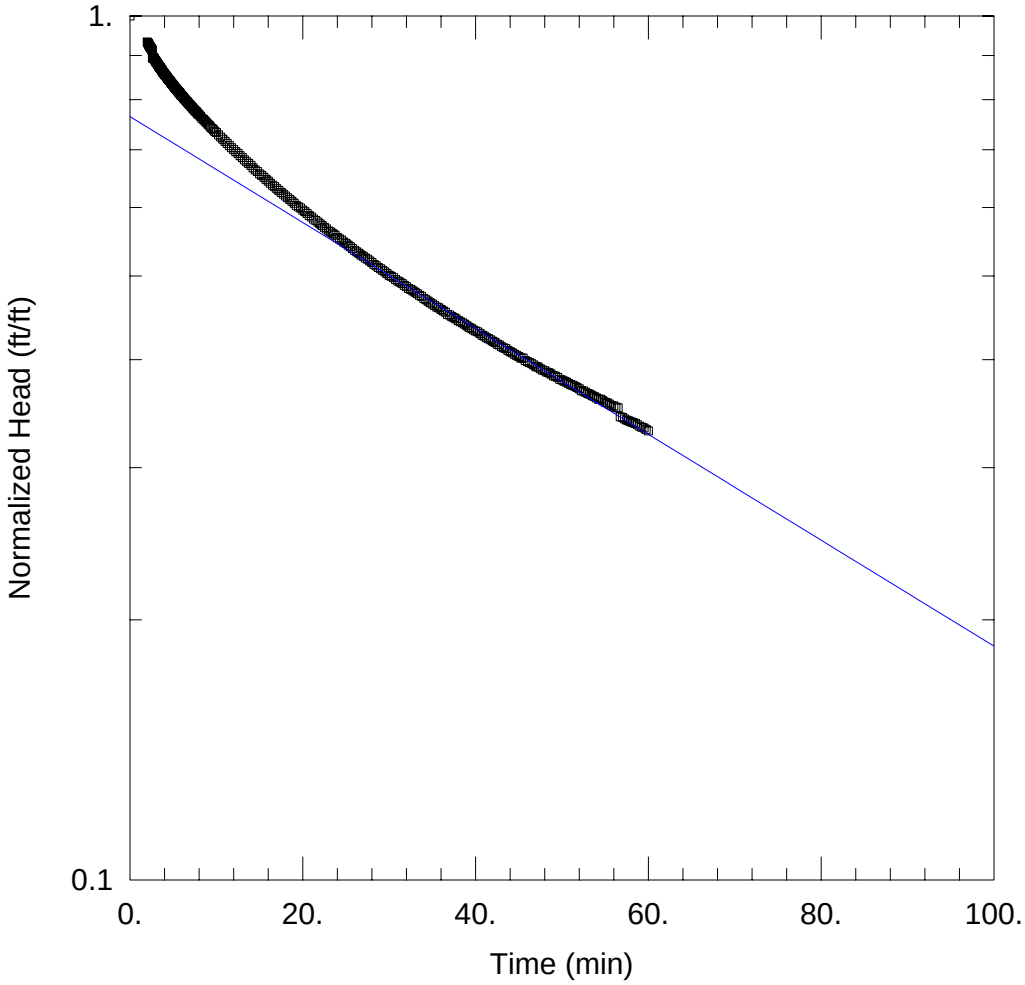
WELL DATA (MC-MW-36)

Initial Displacement: 3.519 ft
Static Water Column Height: 37.04 ft
Total Well Penetration Depth: 37.04 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.1013 ft/day
y0 = 3.958 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-36 Slug Out.aqt
Date: 12/01/10 Time: 13:24:12

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-36
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

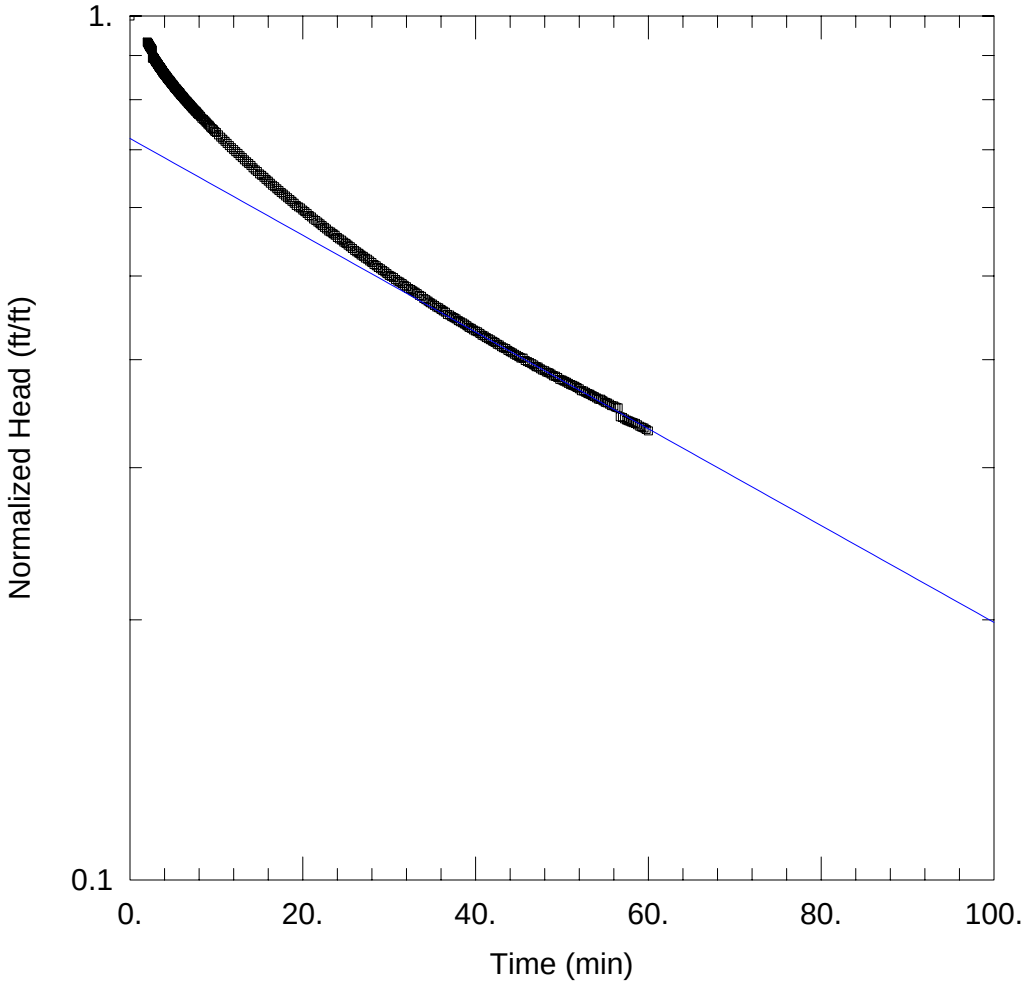
WELL DATA (MC-MW-36)

Initial Displacement: 3.162 ft Static Water Column Height: 37.04 ft
Total Well Penetration Depth: 37.04 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.02441 ft/day y0 = 2.418 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-36 Slug Out.aqt
Date: 12/01/10 Time: 13:24:42

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-36
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

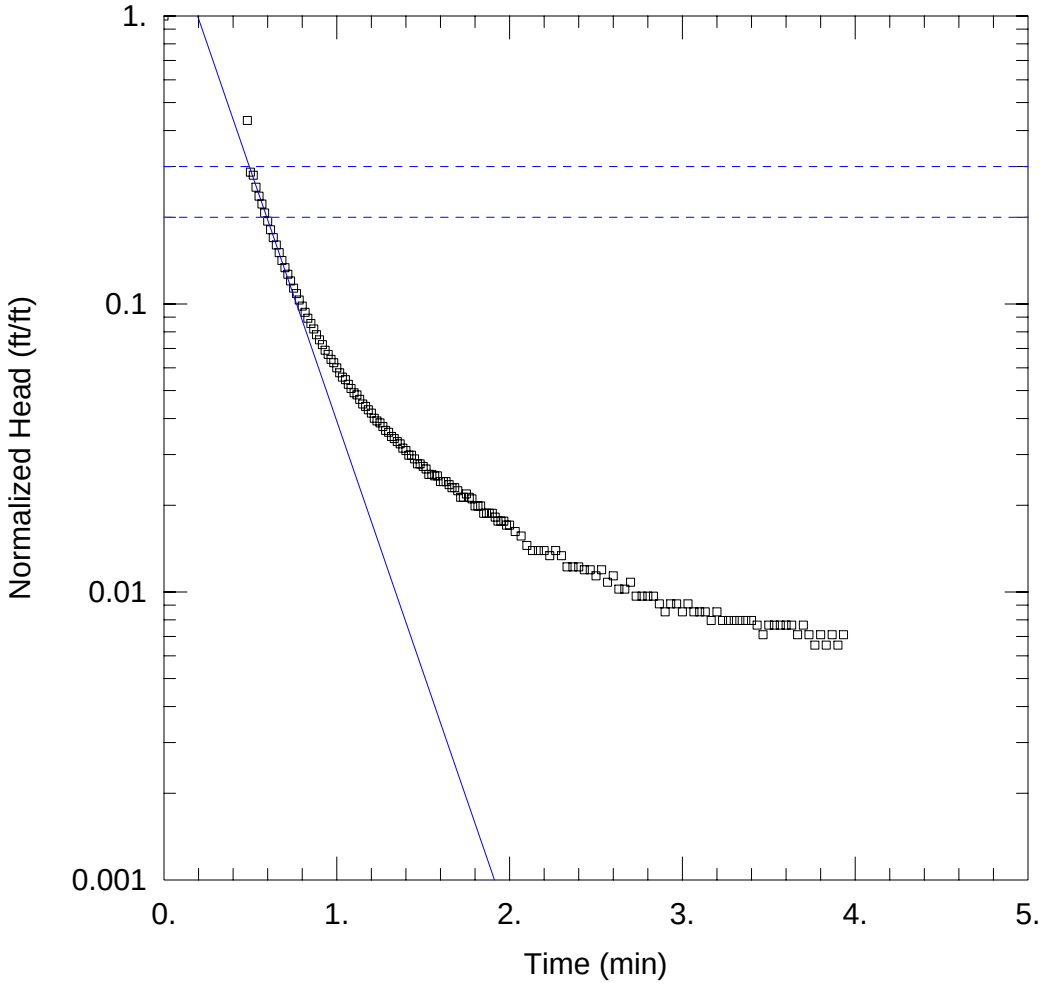
WELL DATA (MC-MW-36)

Initial Displacement: 3.162 ft
Static Water Column Height: 37.04 ft
Total Well Penetration Depth: 37.04 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.03212 ft/day
y0 = 2.281 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-37 Slug In (test 2).aqt
Date: 12/01/10 Time: 13:40:28

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-37
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

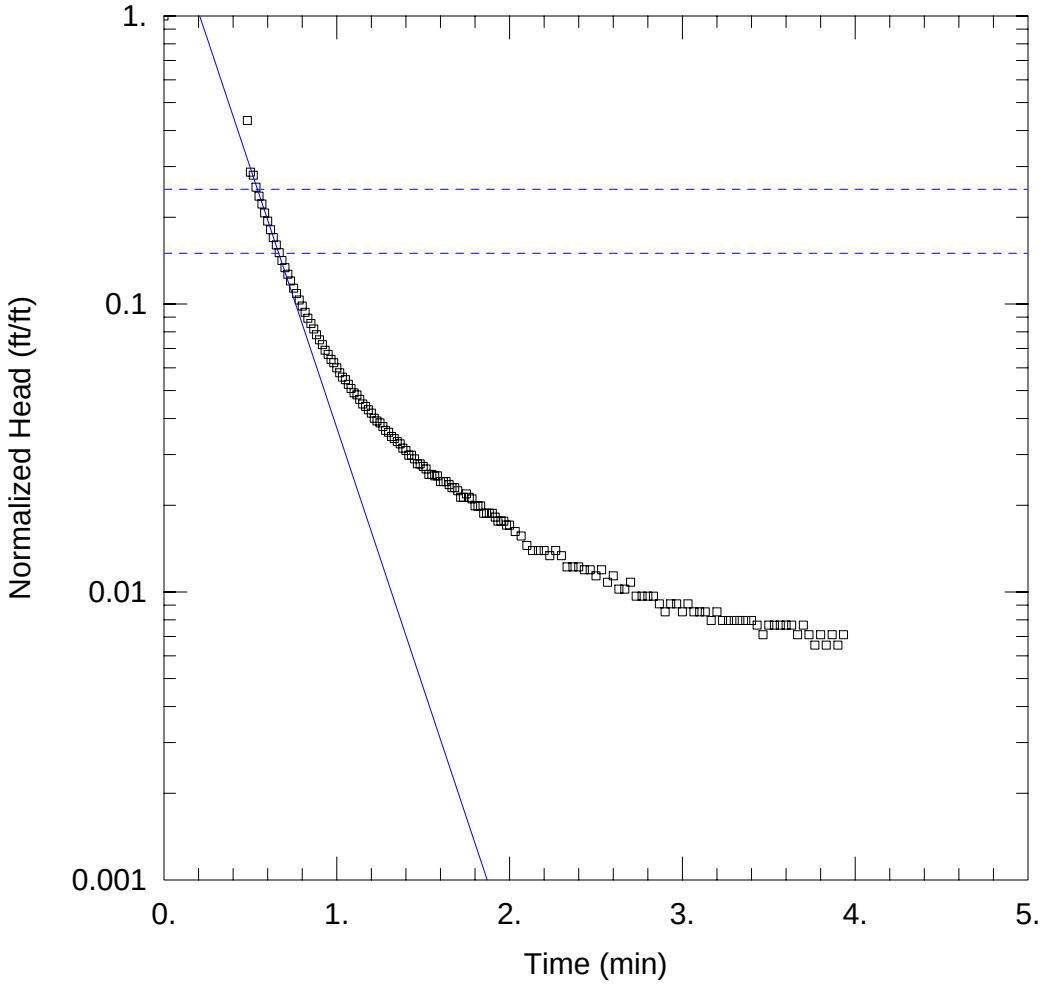
WELL DATA (MC-MW-37)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 35.99 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 35.99 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 6.923 ft/day
y0 = 7.69 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-37 Slug In (test 2).aqt
Date: 12/01/10 Time: 13:39:37

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-37
Test Date: 11-12-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

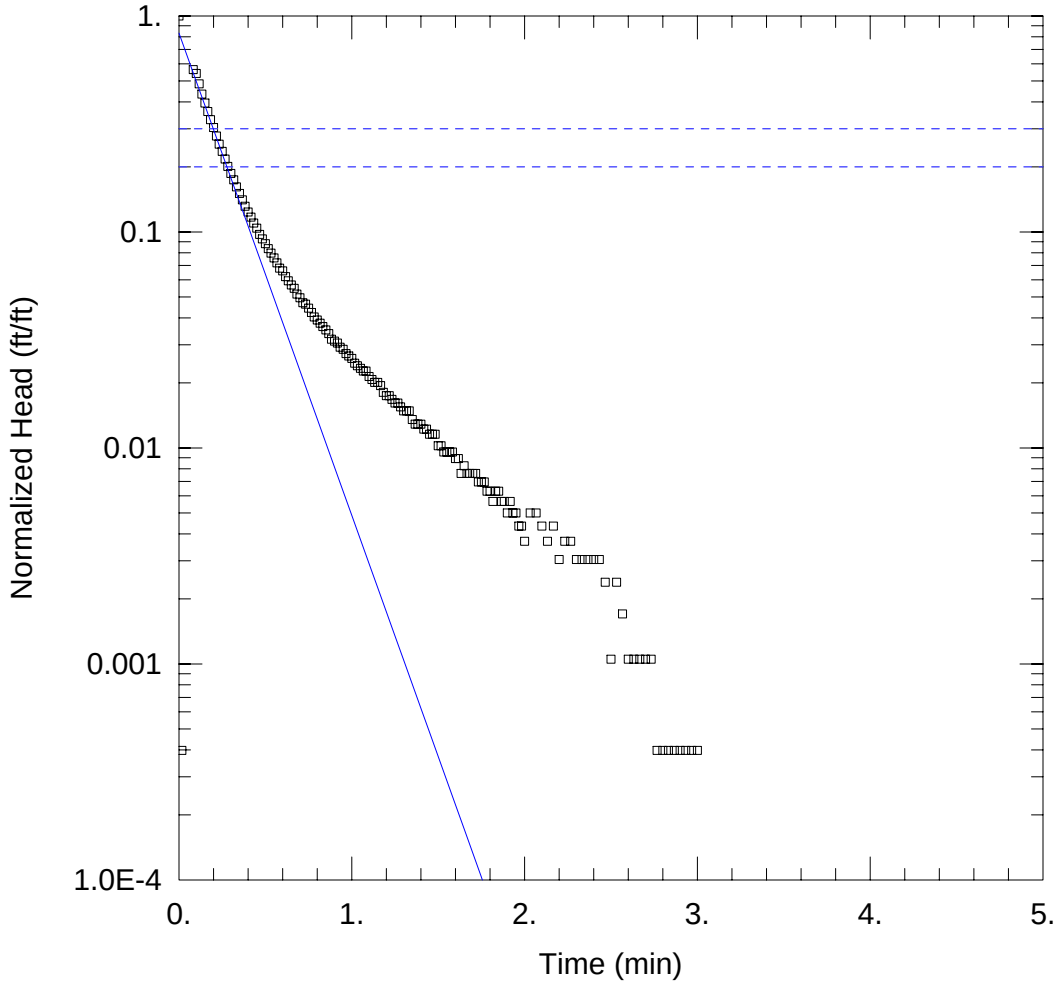
WELL DATA (MC-MW-37)

Initial Displacement: 3.519 ft Static Water Column Height: 35.99 ft
Total Well Penetration Depth: 35.99 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev

K = 8.724 ft/day y0 = 8.312 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-37 Slug Out.aqt
Date: 12/02/10 Time: 09:58:39

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-37
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

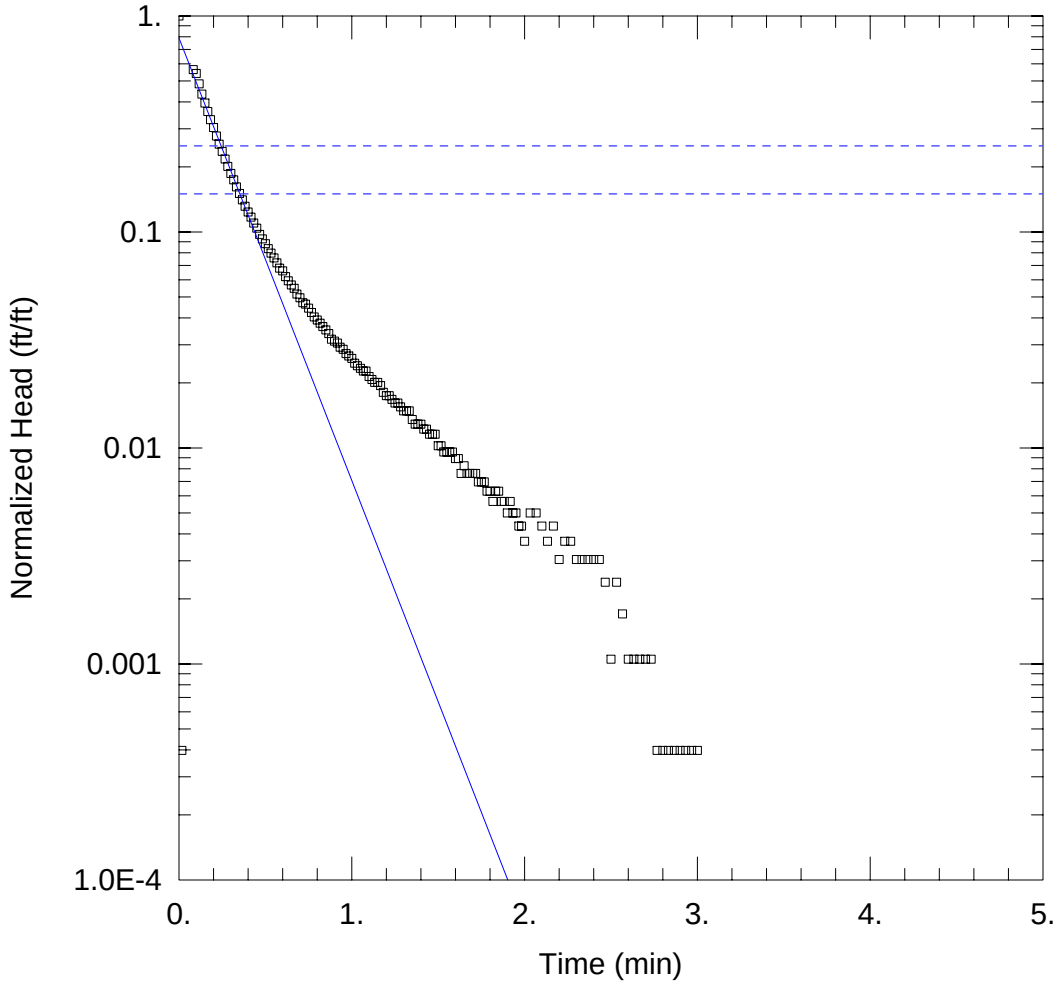
WELL DATA (MC-MW-37)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 35.99 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 35.99 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 8.851 ft/day
y0 = 2.928 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-37 Slug Out.aqt
Date: 12/02/10 Time: 09:59:23

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-37
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

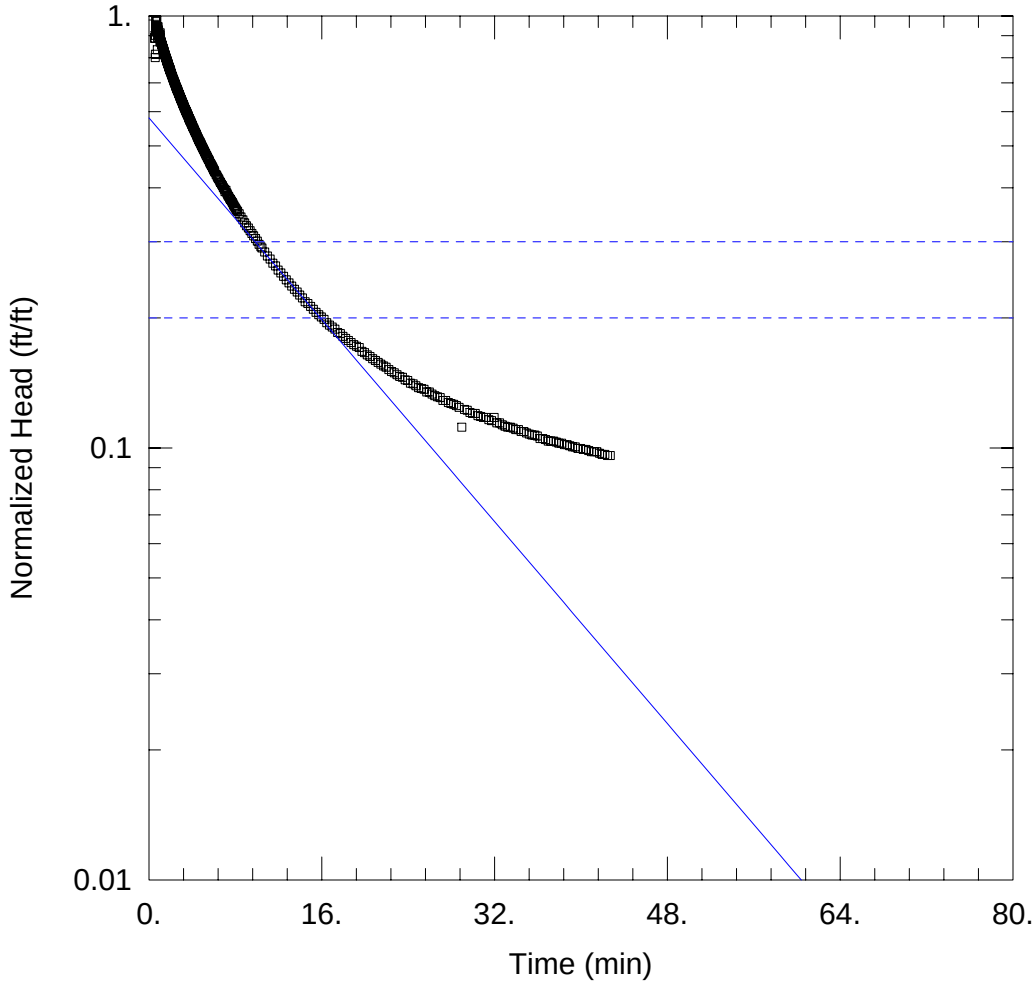
WELL DATA (MC-MW-37)

Initial Displacement: 3.519 ft Static Water Column Height: 35.99 ft
Total Well Penetration Depth: 35.99 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev

K = 9.908 ft/day y0 = 2.778 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-38 Slug In.aqt
Date: 12/01/10 Time: 13:27:29

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-38
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

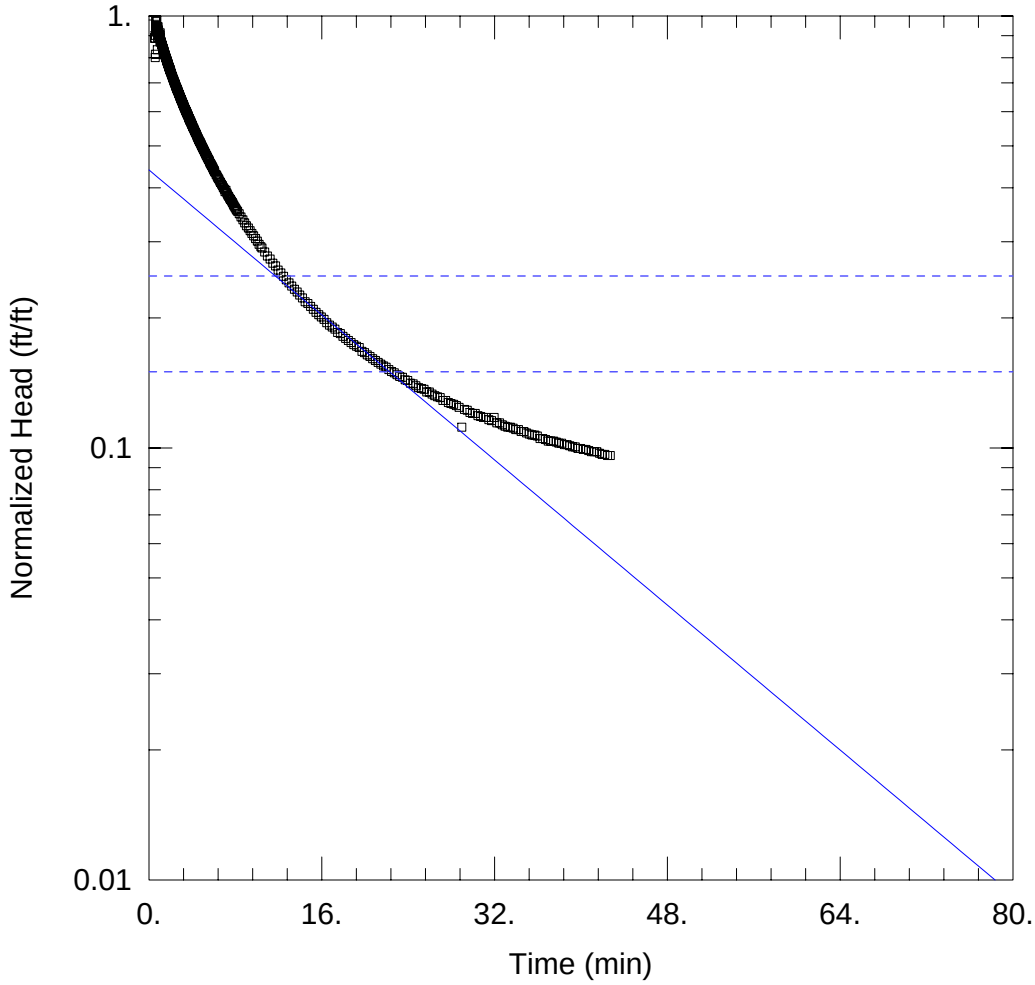
WELL DATA (MC-MW-88)

Initial Displacement: 3.519 ft
Static Water Column Height: 33.95 ft
Total Well Penetration Depth: 33.95 ft
Screen Length: 10. ft
Casing Radius: 0.0808 ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.1147 ft/day
y0 = 2.044 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-38 Slug In.aqt
Date: 12/01/10 Time: 13:26:24

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-38
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

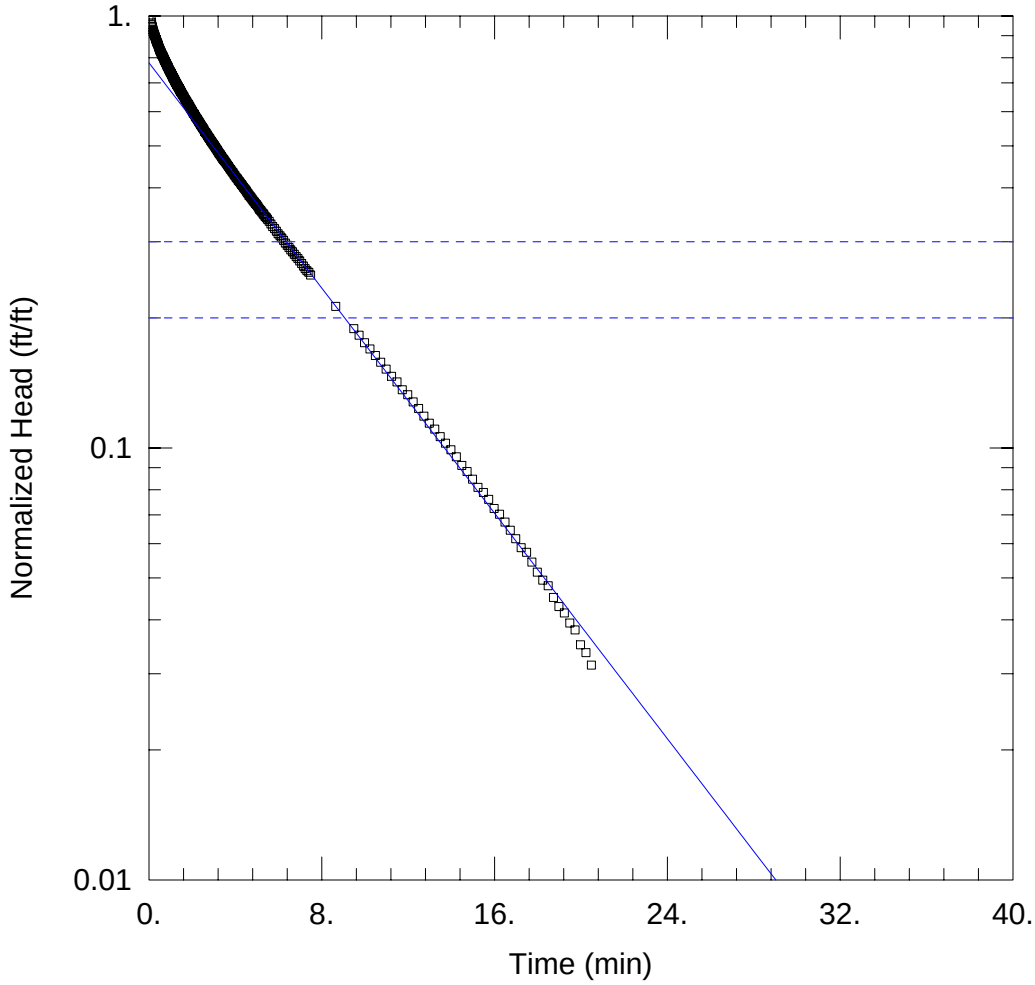
WELL DATA (MC-MW-88)

Initial Displacement: 3.519 ft
Total Well Penetration Depth: 33.95 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 33.95 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.1203 ft/day
y0 = 1.548 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-38 Slug Out.aqt
Date: 12/01/10 Time: 13:29:39

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-38
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

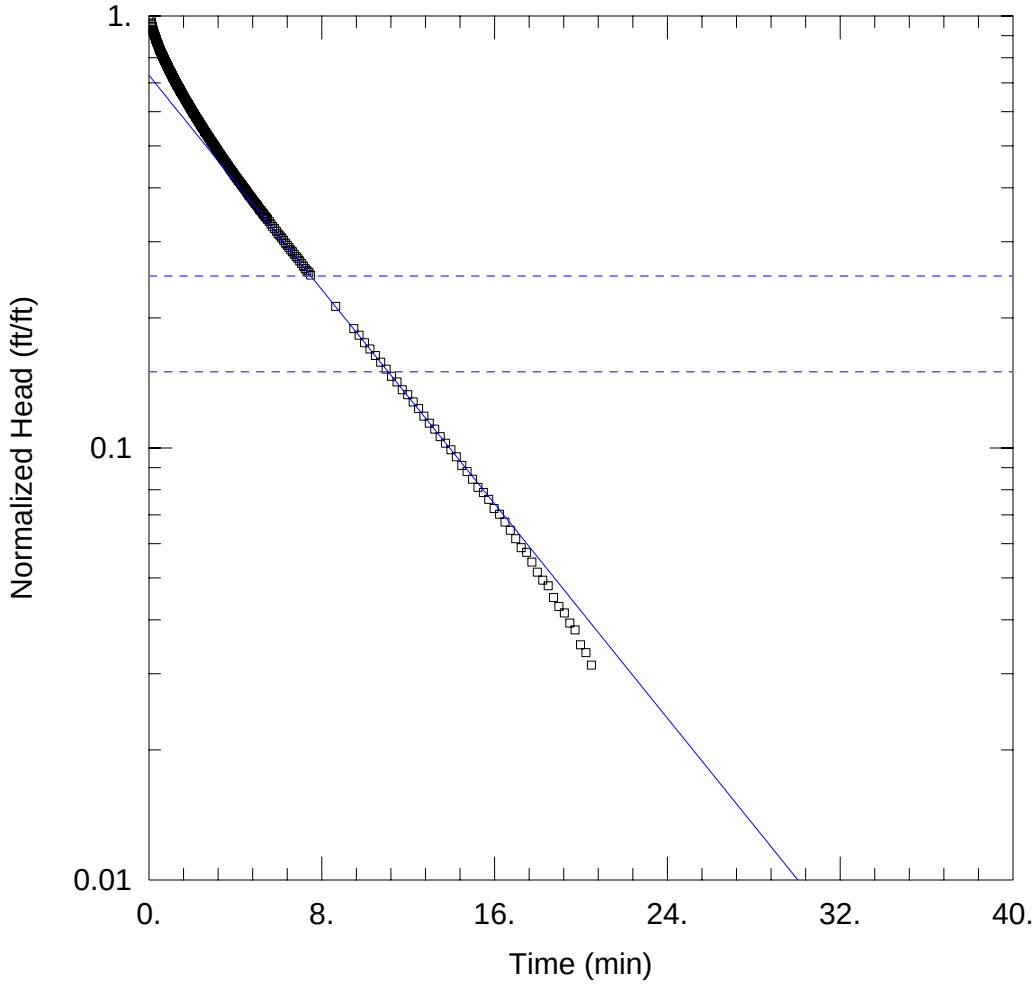
WELL DATA (MC-MW-38)

Initial Displacement: 3.211 ft
Total Well Penetration Depth: 33.95 ft
Casing Radius: 0.0808 ft
Static Water Column Height: 33.95 ft
Screen Length: 10. ft
Well Radius: 0.2292 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.256 ft/day
y0 = 2.5 ft



WELL TEST ANALYSIS

Data Set: L:\...\MC-MW-38 Slug Out.aqt
Date: 12/01/10 Time: 13:28:45

PROJECT INFORMATION

Company: AECOM
Client: Montrose
Location: Henderson, NV
Test Well: MC-MW-38
Test Date: 11-11-10

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 1.

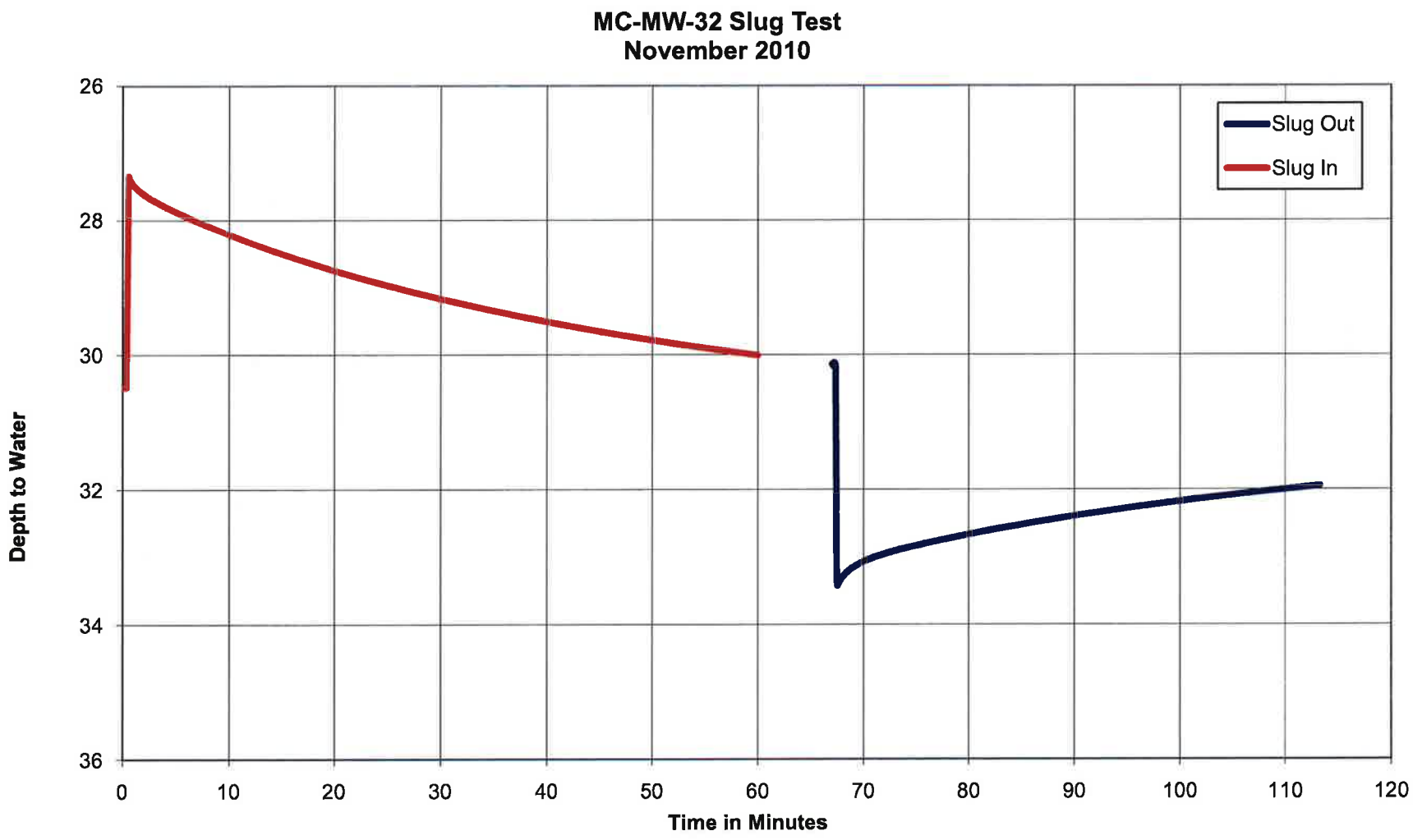
WELL DATA (MC-MW-38)

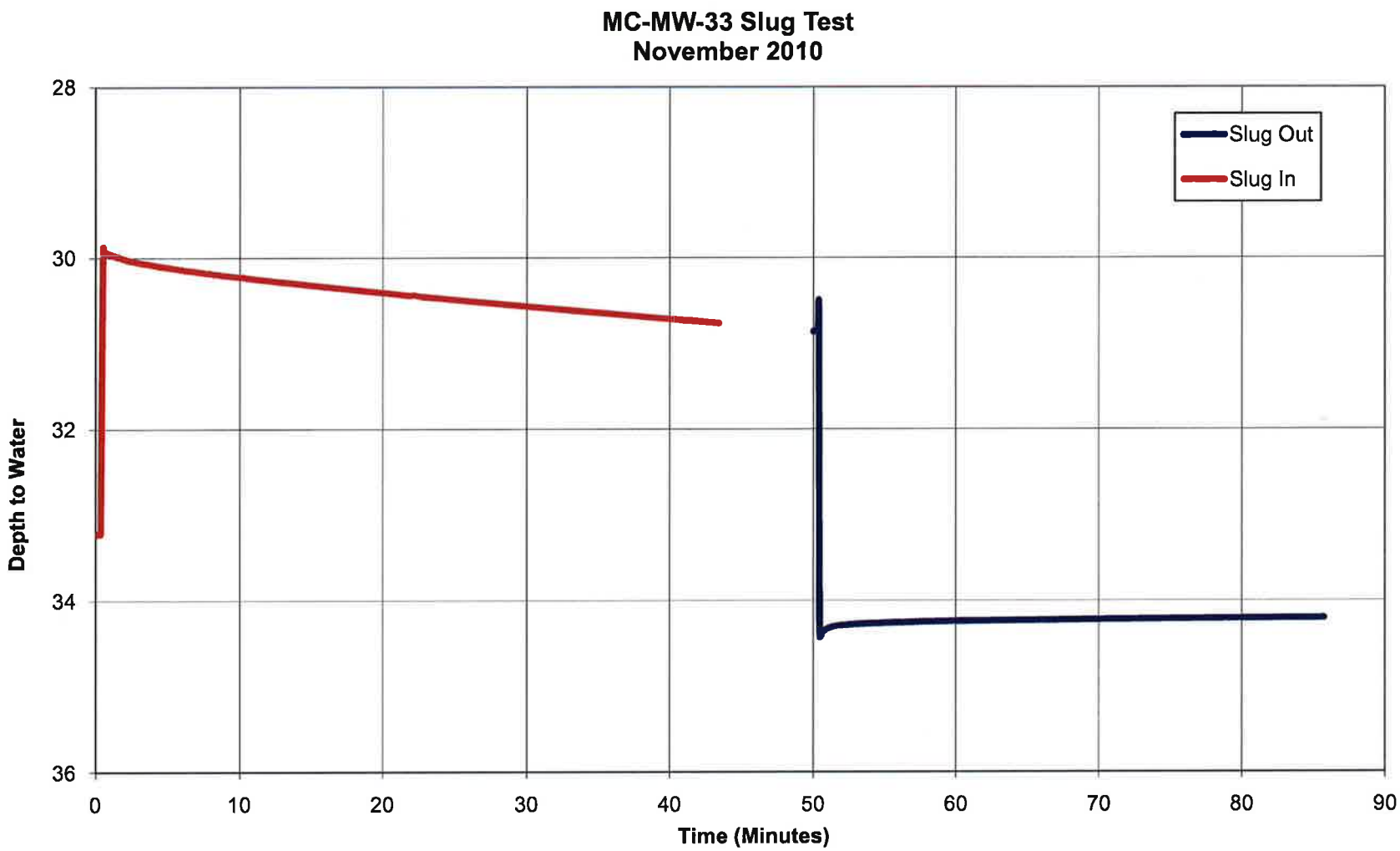
Initial Displacement: 3.211 ft Static Water Column Height: 33.95 ft
Total Well Penetration Depth: 33.95 ft Screen Length: 10. ft
Casing Radius: 0.0808 ft Well Radius: 0.2292 ft

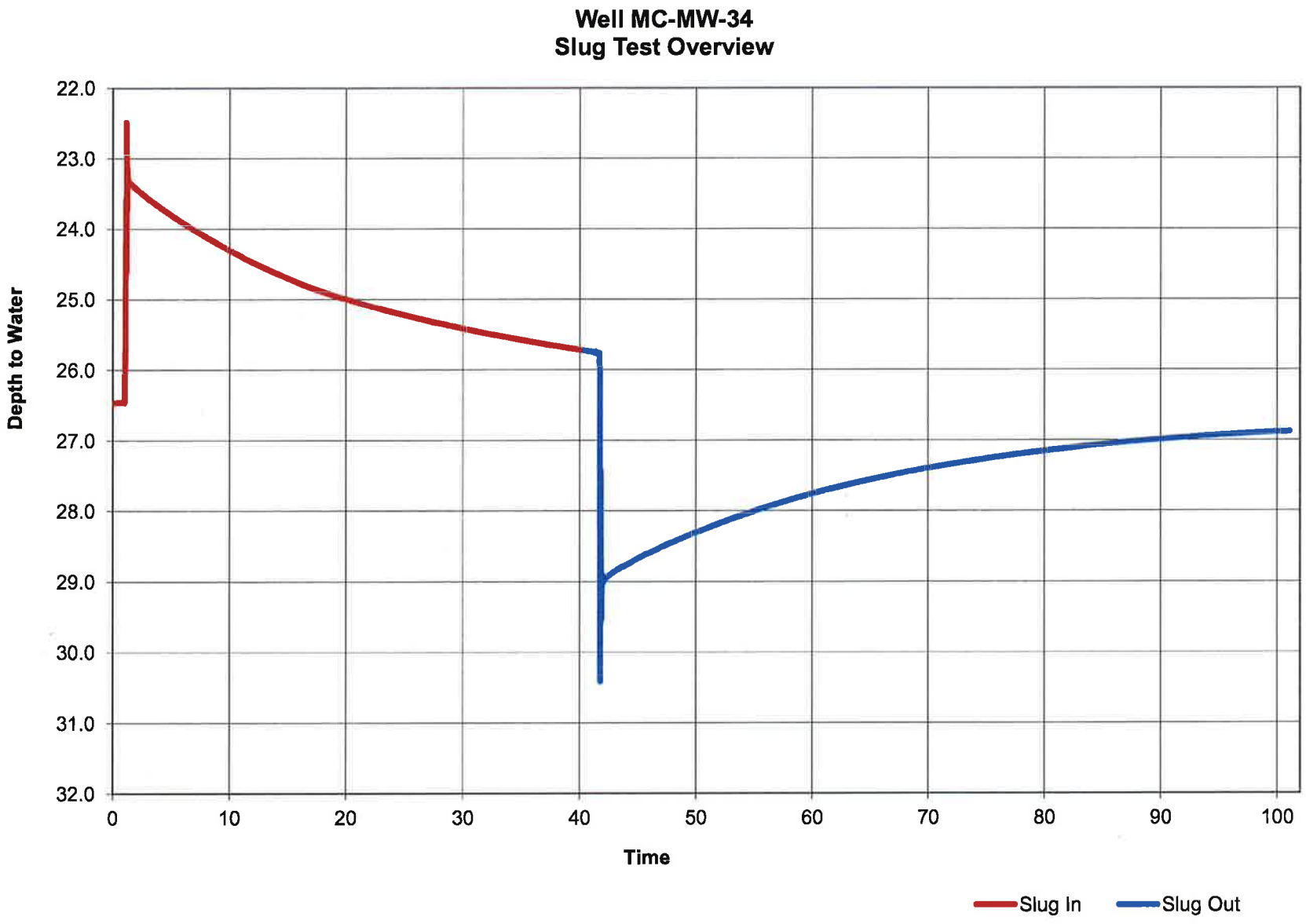
SOLUTION

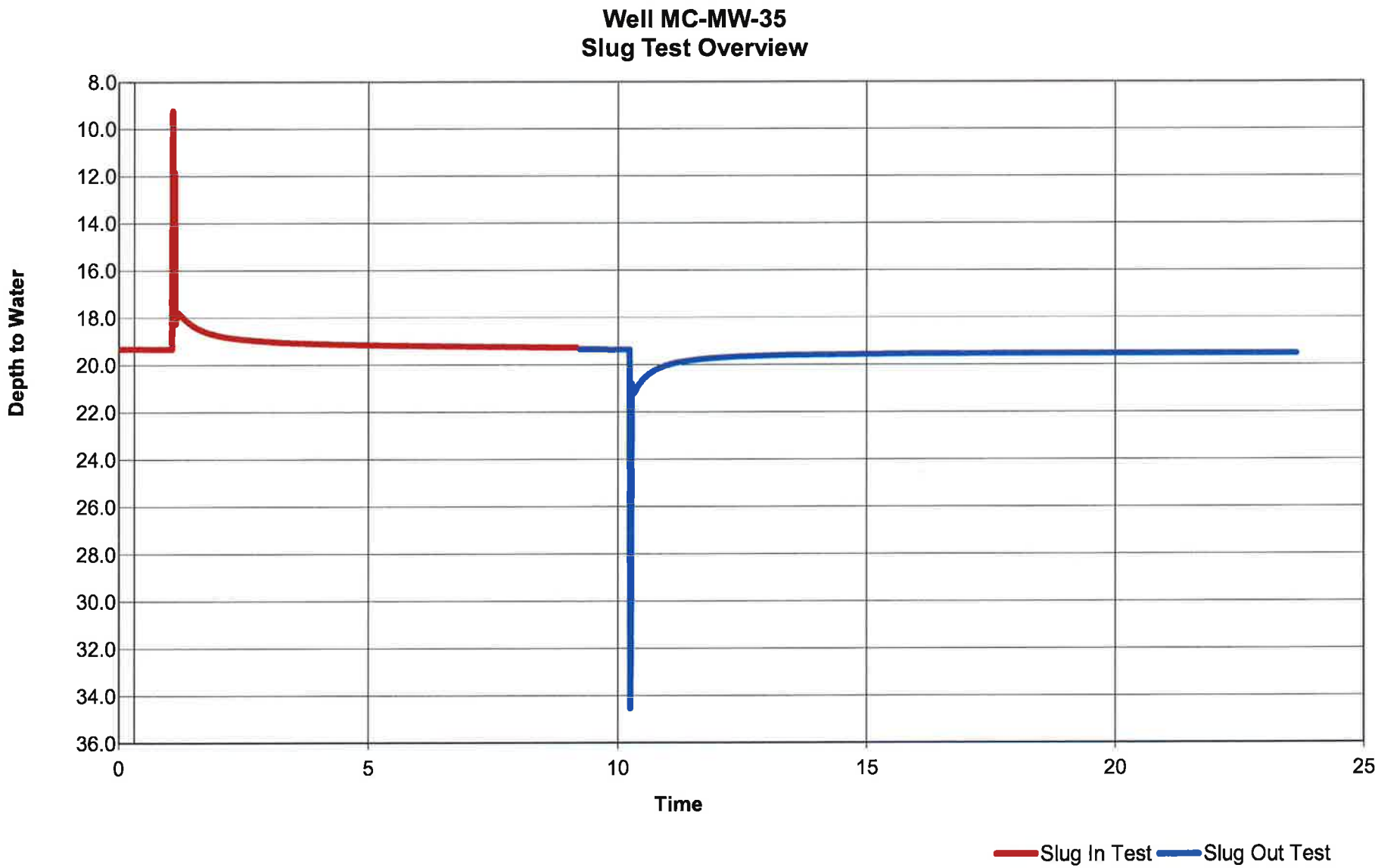
Aquifer Model: Confined Solution Method: Hvorslev

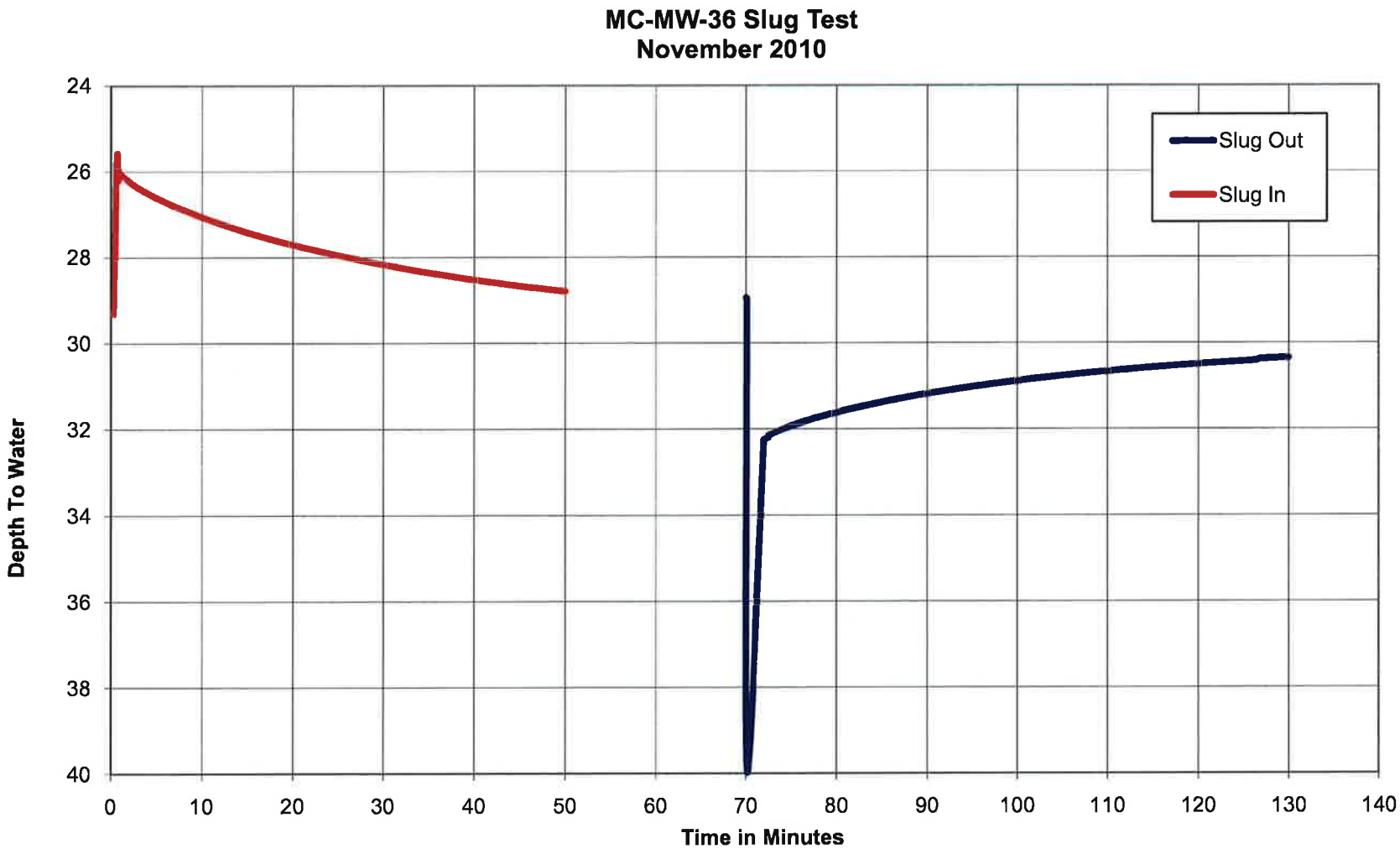
K = 0.3555 ft/day y0 = 2.34 ft

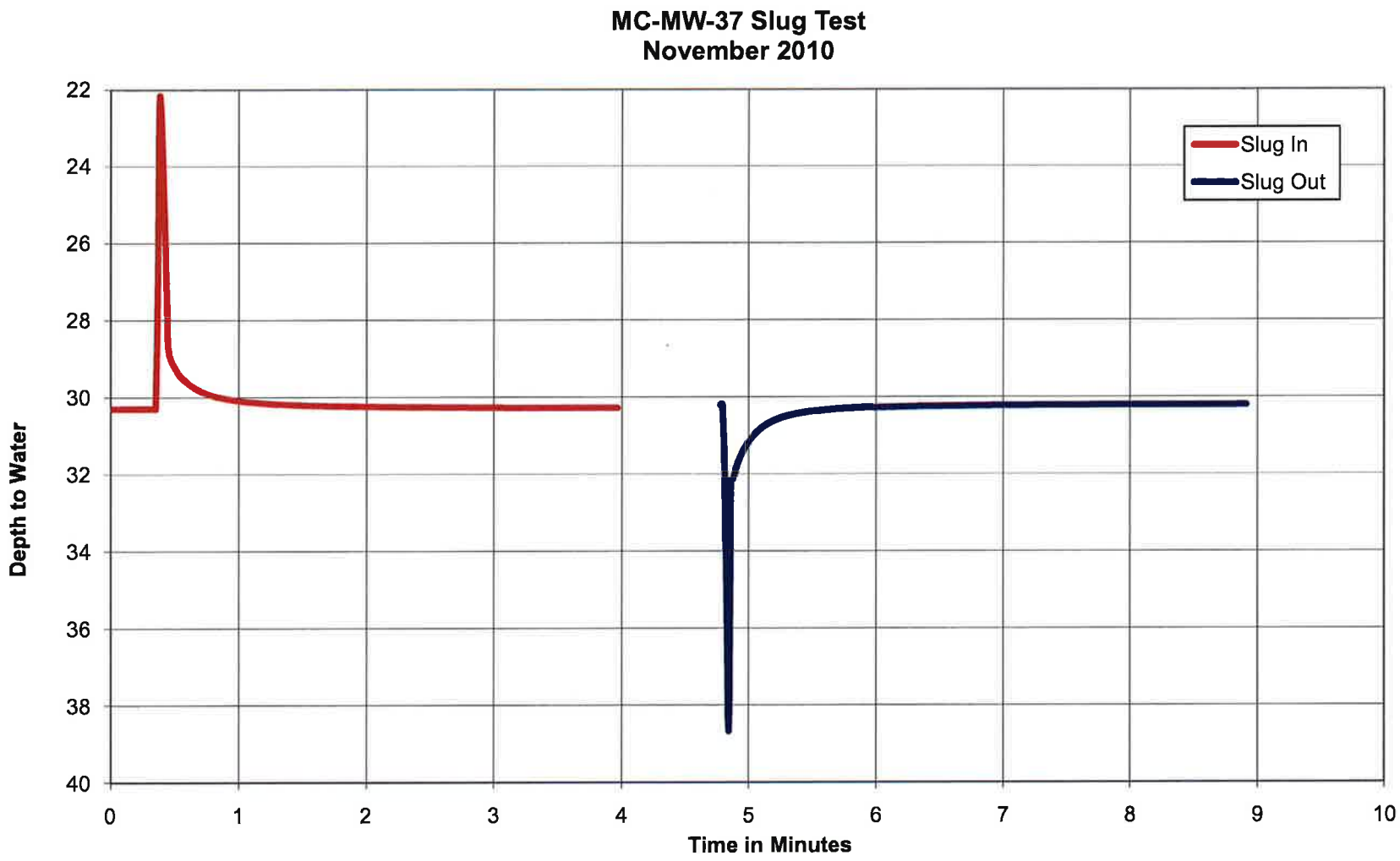

MC-MW-32 Slug Test
November 2010
Slug Out
Slug In
Depth to Water
26
28
30
32
34
36
0
10
20
30
40
50
60
70
80
90
100
110
120
Time in Minutes

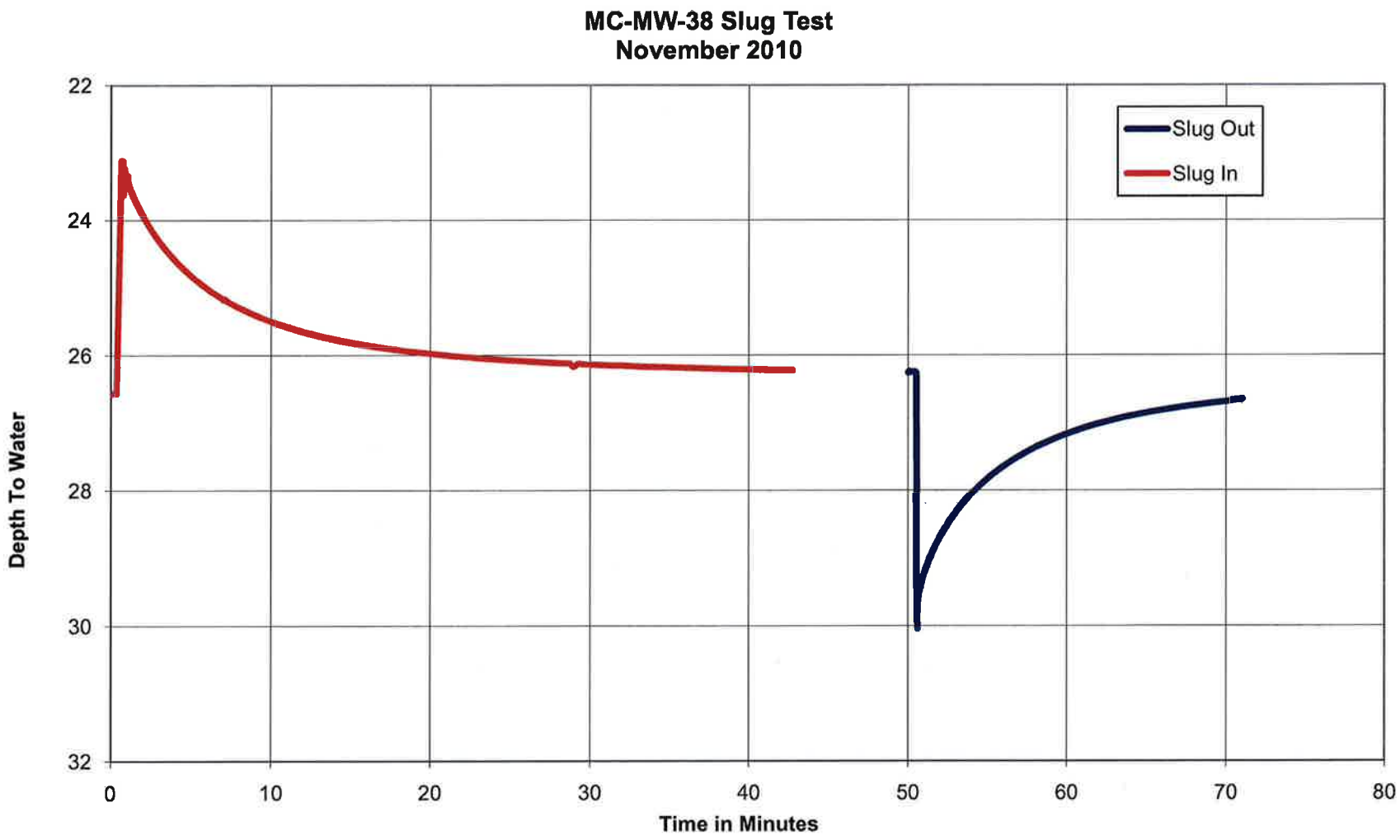

MC-MW-33 Slug Test
November 2010
Slug Out
Slug In
Depth to Water
28
30
32
34
36
0
10
20
30
40
50
60
70
80
90
Time (Minutes)


Well MC-MW-34
Slug Test Overview
Depth to Water
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
0
10
20
30
40
50
60
70
80
90
100
Time
Slug In
Slug Out


Well MC-MW-35
Slug Test Overview
Depth to Water
8.0
10.0
12.0
14.0
16.0
18.0
20.0
22.0
24.0
26.0
28.0
30.0
32.0
34.0
36.0
0
5
10
15
20
25
Time
Slug In Test
Slug Out Test


MC-MW-36 Slug Test
November 2010
Slug Out
Slug In
Depth To Water
Time in Minutes
24
26
28
30
32
34
36
38
40
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


MC-MW-37 Slug Test
November 2010
Slug In
Slug Out
Depth to Water
22
24
26
28
30
32
34
36
38
40
0
1
2
3
4
5
6
7
8
9
10
Time in Minutes


MC-MW-38 Slug Test
November 2010
Slug Out
Slug In
Depth To Water
22
24
26
28
30
32
0
10
20
30
40
50
60
70
80
Time in Minutes